LEARNING OUTCOME BASED CURRICULUM FRAMEWORK FOR UNDERGRADUATE EDUCATION

BAECONOMICS

DEPARTMENT OF ECONOMICS

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PREFACE

We are pleased to present the Learning Outcome Based Curriculum Framework for the Bachelor of Economics program offered by the Department of Economics at EMEA College of Arts and Science, Kondotty. This document embodies our institution's vision and mission, guiding us toward academic excellence and reaffirming our commitment to providing comprehensive and forward-looking education.

EMEA College's vision seeks to establish an advanced learning center that nurturespersonal transformation, social empowerment, and excellence. Our mission centers on delivering quality education, shaping responsible citizens, fostering research and innovation, and equipping students with essential life skills. These core principles influence the development of this curriculum. The Department of Economics at EMEA College of Arts and Science, Kondotty aspires to transform the world through economics and management, leading the way in teaching and research, and producing future leaders capable of navigating the complexities of the business world.

This curriculum outlines the BA program, its aims, graduate attributes, Program Outcomes, course-level learning outcomes, CO-PO Mapping, teaching and learning methodologies, and assessment techniques. It reflects our commitment to providing transformative education that aligns with the needs of today's world. This framework will guide our faculty and students as we continue our educational journey. The revised Guideline on LOCF will be in effect in the Curriculum of the college from the 2024-2025 Academic year onwards.

We express our appreciation to all those who contributed to its development.

Warm regards

Dr. Riyad.AM

Principal

EMEA College of Arts and Science, Kondotty

VISIONANDMISSIONOFTHECOLLEGE

VISION

To be a centre of excellence in higher education, affordable to common man.

MISSION

Identifying and developing the latent talents of the youth and moulding them into useful citizens with due emphasis on right character formation'.

VISION AND MISSION OF THE DEPARTMENT

VISION

The Economics Program at Colleges of Arts & Science aspires to be a leading modern education provider, by providing world class education that will significantly add to the economic, social and cultural well being of the people in the region. To impart theoretical and applied knowledge of Economics, and to produce human resource to meet our needs in the context of changing global economic scenario. The Department envisions achieving excellence in teaching and significant research to provide quality education to students, and prepare professional leaders to address the emerging global challenges and to deal with economic, social and business realities.

MISSION

The Economics programme helps students think critically about the economic issues they confront in their daily lives and develop a commitment to be actively engaged with policy issues in local, national, and global communities. It is also to provide students up-to-date relevant knowledge and attitudes that will make them successful in business and their professional career and to provide employers the best candidates for the job.

INTRODUCTION

The curriculum framework for the Bachelor of Arts degree in Economics with a concentration in Economics has been thoughtfully crafted to establish a comprehensive structure that accommodates the customization of economics programs. This intentional flexibility is aimed at addressing the unique needs of students while remaining adaptable to the ever-evolving intersection of economics and economics. The visionary framework serves a crucial role in maintaining the quality and standards of economics degrees and programs on a national scale.

At its core, the framework provides the foundation for periodic reviews, encompassing a broad framework that delineates agreed-up on graduate attributes, qualification descriptors, program outcomes, and course-level learning objectives. This ensures a consistent and standardized approach to the essential components of the curriculum.

It is imperative to highlight that the primary objective of this framework is not to impose a rigid, one-size-fits-all syllabus for economics programs. Nor does it mandate specific teaching methodologies or assessment procedures. Instead, the framework is designed to cultivate an environment of flexibility and innovation in various aspects of program development, syllabus design, teaching and learning methodologies, and the assessment of student learning outcomes. By embracing adaptability, the framework actively encourages a dynamic approach to economic education. This approach ensures that programs can effectively respond to the changing landscape of economics and economics, all while maintaining the high academic standards that are integral to the discipline. The curriculum framework, therefore, serves as a guiding force for academic excellence, allowing for both consistency and adaptability within the realm of economics education.

NATURE AND EXTENT OF THE UG PROGRAMME IN BA ECONOMICS

The Bachelor of Arts program in Economics is a comprehensive and inter disciplinary course that systematically explores the intricate intersection of economics This program provides students with a deep understanding of various facets of economics, encompassing areas such as international trade, logistics, micro and macroeconomics, growth, Mathematical economics, quantitative economics and development economics.

The curriculum is designed to cover critical aspects of economics; ensuring that students gain proficiency in areas such as economics documentation, insurance, economics financing, macroeconomic and microeconomic theories. This holistic approach equips students with a well-rounded perspective on the dynamics of economics. A distinctive feature of the program is its emphasis on practical learning. Students have the opportunity to engage in field projects, allowing them to effectively frame and solve research problems within the realm of economics. This hands-on experience enhances their analytical and problem-solving skills, preparing them for real-world challenges.

Importantly, the B.A. Economics Programme prioritizes experiential learning, offering valuable opportunities for internships and industry exposure. This strategic focus on real-world applications not only enriches students' academic experience but also significantly contributes to enhancing their employability upon graduation. The program is designed to produce graduates who are not only well-versed in theoretical concepts but also adept at applying their knowledge in practical, industry-relevant scenarios.

AIM OF THE UG PROGRAMME IN BA ECONOMICS

The aims of the Undergraduate program in B.A. Economics include;

- 1. **Cultivating Creative and Socially Responsible Economists:** Fostering the development of creative and socially responsible individuals with a strong foundation in economics and a global perspective.
- 2. **Specialized Economic Analysis in Economics:** Providing students with indepth training in economic analysis, with a specialization in Economics, ensuring a comprehensive understanding of international economic dynamics.
- 3. **Research Aptitude for Policy Development:** Cultivating a research-oriented mindset among students, with a focus on policy development in the field of economics and economics.
- 4. **Proficiency to Meet Contemporary Challenges:** Equipping students with theskillsandknowledgenecessarytoaddressthechallengesofthemoderneconomic landscape, preparing them to contribute effectively to the evolving global economic scenario.
- 5. **Development of Creative Citizenship:** Instilling a sense of creative citizenship, encouraging students to actively participate and contribute as passionate volunteers in nation-building initiatives.

GRADUATE ATTRIBUTES FOR BA ECONOMICS

The Graduate Attributes for the Bachelor of Arts in Economics program have been designed to equip students with a comprehensive skill set and knowledge base, relevant to the evolving intersection of commerce and technology. The following ten attributes have been identified as most essential:

- 1. **Comprehensive Disciplinary Knowledge**: Graduates will demonstrate an in-depth understanding of both commerce and computer applications, enabling them to proficiently bridge the gap between these domains.
- 2. **Effective Communication Skills**: Graduates will possess the ability to clearly articulate ideas in both written and oral forms, using various media to effectively communicate with diverse audiences, particularly when conveying complex information.
- 3. **Analytical and Critical Thinking**: Graduates will be able to apply analytical thinking to assess and evaluate evidence, arguments, and claims within the realms of commerce and computer applications, fostering a scientific approach to knowledge development.
- 4. **Practical Problem-Solving**: Graduates will have the capability to apply their skills to solve unfamiliar problems and apply their learning to real-life situations, emphasizing practical problem-solving abilities.
- 5. **Analytical Reasoning Skills**: Graduates will demonstrate the ability to evaluate evidence reliability, identify logical flaws in arguments, synthesize data from multiple sources, and draw valid conclusions, effectively addressing opposing viewpoints.
- 6. **Research-related Proficiency**: Graduates will exhibit a sense of inquiry, problem-solving skills, and the capacity to plan, execute, and report on the results of experiments or investigations, enabling them to contribute to research and development efforts.
- 7. **Information/Digital Literacy**: Graduates will possess the capability to access, evaluate, and utilize various information sources, as well as apply appropriate software for data analysis, ensuring proficiency with digital tools and technologies.

- 8. **Self-directed Learning**: Graduates will be adept at working independently, identifying resources for projects, and managing projects to completion, showcasing their self-motivation and project management skills.
- 9. **Moral and Ethical Awareness/Reasoning**: Graduates will embrace moral and ethical values in their conduct, demonstrate ethical practices in their work, and exhibit a commitment to intellectual property rights, environmental sustainability, and truthful, objective actions.
- 10. **Lifelong Learning Orientation**: Graduates will have the ability and inclination for lifelong learning, continually acquiring new knowledge and skills to adapt to changing workplace demands, thus contributing to personal development and societal goals in an ever-evolving landscape.

These attributes collectively aim to empower graduates from the Bachelor of Arts in Economics program, positioning them for excellence in their chosen careers. Beyond professional success, these attributes enable graduates to navigate the convergence of economics and technology, bridging gaps with their comprehensive knowledge and skills. Furthermore, the program aspires to instill a sense of responsibility, fostering informed decision-making, ethical conduct, and adaptability. With this well-rounded skill set, graduates are prepared to make meaningful contributions to society as ethical, adaptable, and knowledgeable professionals.

QUALIFICATION DESCRIPTORS FOR BA ECONOMICS PROGRAM

The Graduate Attributes for the Bachelor of Arts in Economics program are designed to provide students with a comprehensive skill set and knowledge base, relevant to the evolving intersection of commerce and technology. The following ten attributes have been identified as most essential:

- 1. **Comprehensive Disciplinary Knowledge**: Graduates will demonstrate an in-depth understanding of both commerce and computer applications, enabling them to effectively bridge the gap between these domains.
- 2. **Effective Communication Skills**: Graduates will have the ability to clearly articulate ideas in both written and oral forms, using various media to effectively communicate with diverse audiences, particularly when conveying complex information.
- 3. **Analytical and Critical Thinking**: Graduates will apply analytical thinking to assess and evaluate evidence, arguments, and claims within the realms of commerce and computer applications, fostering a scientific approach to knowledge development.
- 4. **Practical Problem-Solving**: Graduates will have the capability to apply their skills to solve unfamiliar problems and apply their learning to real-life situations, emphasizing practical problem-solving abilities.
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Together, these attributes aim to empower graduates from the Bachelor of Arts in Economics program, positioning them for excellence in their chosen careers. Beyond professional success, these attributes enable graduates to navigate the convergence of economics and technology, bridging gaps with their comprehensive knowledge and skills. Additionally, the program fosters a sense of responsibility, encouraging informed decision-making, ethical conduct, and adaptability. With this well-rounded skill set, graduates are prepared to make meaningful contributions to society as ethical, adaptable, and knowledgeable professionals.

	PROGRAMME OUTCOME: BA ECONOMICS PROGRAMME
PO1	Students gain both theoretical and practical knowledge, enabling them to conduct accurate analyses of economic situations
PO2	Students develop an understanding of, and critically assess, the interconnections within and between the economy and society.
PO3	Students cultivate a global perspective while adopting a local approach to address socio-economic challenges.
PO4	Students explore various economic systems and analyze the implications of decisions related to economic policy.
PO5	Students acquire the skills needed to respond effectively to the demands of industry and society.
PO6	Students cultivate the mindset to conduct research on socio-economic issues emerging in their communities.
PO7	Students acquire the analytical and interpretive skills needed to understand socio-political and economic issues.
PO8	Students adopt a scientific approach to analyze socio-political and economic issues using the language of economics.
PO9	Student's analyses economy objectively, interpret the economic events and visualize the economic future of the nation
PO10	Students understand the practical side of international trade and develop interest to choose a career in the economics related sectors.
PO11	Students masters innovative practices in logistics management, export-import procedures and documentation

PSO7	Apply analytical thinking to various economic phenomena, including analysis and evaluation of economic policies, practices, evidences, arguments, claims and beliefs							
PSO8	Develop appropriate skills and knowledge to address the real world economic issues in familiar and unfamiliar contexts							
PSO9	Formulate appropriate and relevant research questions, develop methodology and tools for data collection, presentation and analysis, and predict cause-effect relationships to deal with problems and situations to be solved through innovative practices							

MINIMUM CREDIT REQUIREMENTS OF THE DIFFERENT PATHWAYS IN THE THREE-YEAR PROGRAMME IN CUFYUGP

Sl.	Academic	Major	Minor/	Foundation	Intern	Total	Example
No	Pathway		Other	Courses	-ship	Credits	
•			Disciplines	AEC: 4			
			ourse has	MDC: 3			
		4 c	redits	SEC: 3			
				VAC: 3			
				Each course			
1	C: ~l- M-:	<u> </u>	2.4	has 3 credits	2	122	N/-:
1	Single Major	68	24	39	2	133	Major: Economics +
	(A)	(17	(6 courses)	(13 courses)			six courses in
		courses)	(o courses)	(13 courses)			different
		courses)					disciplines in
							different
							combinations
2	Major (A)	68	12 + 12	39	2	133	Major:
	with Multiple						Economics +
	Disciplines	(17	(3 + 3 = 6)	(13 courses)			History and
	(B, C)	courses)	courses)				Political
							Science
3	Major (A)	68	24	39	2	133	Major:
	with	(17					Economics
	Minor (B)	courses)	(6 courses)	(13 courses)			Minor: History
4	Major (A)	68	24	39	2	133	Major:
	with						Economics
	Vocational	(17	(6 courses)	(13 courses)			Minor:
	Minor (B)	courses)					Taxation
							Practices and
5	Double	A: 48		12 + 18 + 9	2	133	Procedures Economics
ן ס	Major	A: 48 (12	The 24 and	its in the Mino	_	133	and
	(A, B)	courses)		its in the Milho ted between 1			Mathematics
	(11, D)	courses	are distribut Majors.	ieu Deiweell	uie (WO		double major
		B: 44	1v1aj018.				double illujoi
		(11	2 MDC. 2	SEC. 2 VAC	and the		
		courses)	2 MDC, 2 SEC, 2 VAC and the Internship should be in Major A.				
		,	Total credits in Major A should be				
				(50% of 133)			
				,		1	

	1 MDC, 1 SEC and 1 VAC should be in Major B. Total credits in Major B should be 44 + 9 = 53 (40% of 133)		
Exit with UG D	Degree / Proceed to Fourth Year with 13	3 Credits	

B.A. ECONOMICS HONOURS PROGRAMME COURSE STRUCTURE FOR PATHWAYS 1 – 4

1. Single Major

2. Major with Multiple Disciplines

3. Major with Minor

4. Major with Vocational Minor

Seme	Course	Course	Total	Hours/		Marks		
ster	Code	Course Title	Hours	Week	Credits	Inter nal	Exter nal	Total
	ECO1CJ 101/ ECO1MN 100	Core Course 1 in Major – Principles of Economics	75	5	4	30	70	100
		Minor Course 1	60/ 75	4/ 5	4	30	70	100
		Minor Course 2	60/ 75	4/ 5	4	30	70	100
1	ENG1FA 101(1B)	Ability Enhancement Course 1– English	60	4	3	25	50	75
		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75
		Multi-Disciplinary Course 1 – Other than Major	45	3	3	25	50	75
		Total		23/ 25	21			525
	ECO2CJ 102/ ECO2MN 100	Core Course 2 in Major – Budget Analysis	75	5	4	30	70	100
		Minor Course 3	60/ 75	4/ 5	4	30	70	100
		Minor Course 4	60/ 75	4/ 5	4	30	70	100
2	ENG2FA 103(1B)	Ability Enhancement Course 3– English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
		Multi-Disciplinary Course 2 – Other than Major	45	3	3	25	50	75
		Total		23/ 25	21			525

Seme	Course	Course	Total	Hours/		Marks		
ster	Code	Course Title	Hours	Week	Credits	Inter nal	Exter nal	Total
	ECO3CJ 201	Core Course 3 in Major – Analytical Tools for Economics – I	60	4	4	30	70	100
	ECO3CJ 202/ ECO3MN 200	Core Course 4 in Major – Evolution of Economic Theories	60	4	4	30	70	100
3		Minor Course 5	60/75	4/ 5	4	30	70	100
		Minor Course 6	60/ 75	4/ 5	4	30	70	100
		Multi-Disciplinary Course 3 – Kerala Knowledge System	45	3	3	25	50	75
	ENG3FV 108(1B)	Value-Added Course 1 – English	45	3	3	25	50	75
		Total		22/ 24	22			550
	ECO4CJ 203	Core Course 5 in Major – Intermediate Microeconomics	60	4	4	30	70	100
	ECO4CJ 204	Core Course 6 in Major – Intermediate Macroeconomics	60	4	4	30	70	100
	ECO4CJ 205	Core Course 7 in Major – Analytical Tools for Economics – II	60	4	4	30	70	100
4	ENG4FV 109(1B)	Value-Added Course 2 – English	45	3	3	25	50	75
		Value-Added Course 3 – Additional Language	45	3	3	25	50	75
	ENG4FS 111(1B)	Skill Enhancement Course 1 – English	60	4	3	25	50	75
		Total		22	21			525
	ECO5CJ 301	Core Course 8 in Major – Advanced Microeconomics	60	4	4	30	70	100
	ECO5CJ 302	Core Course 9 in Major – International Trade Theories	60	4	4	30	70	100
5	ECO5CJ 303	Core Course 10 in Major – Growth Theories in Economics	60	4	4	30	70	100
		Elective Course 1 in Major	60	4	4	30	70	100
		Elective Course 2 in Major	60	4	4	30	70	100
		Skill Enhancement Course 2	45	3	3	25	50	75
		Total		23	23			575

Seme	Course	Course Code	Total	Hours/	Credits	Marks		
ster			Hours	Week		Inter nal	Exter nal	Total
	ECO6CJ 304/ ECO 8MN304	Core Course 11 in Major – Development Issues in Indian Economy	60	4	4	30	70	100
	ECO6CJ 305/ ECO8MN 305	Core Course 12 in Major – Elementary Econometrics	75	5	4	30	70	100
6	ECO6CJ 306/ ECO8MN 306	Core Course 13 in Major – Advanced Macroeconomics	60	4	4	30	70	100
		Elective Course 3 in Major	60	4	4	30	70	100
		Elective Course 4 in Major		4	4	30	70	100
	ECO6FS 113	Skill Enhancement Course 3 – Economic Research with R	45	3	3	25	50	75
	ECO6CJ 349	Internship in Major (Credit for internship to be awarded only at the end of Semester 6)	60		2	50	-	50
		Total		24	25			625
		Total Credits for Three Years			133			3325
	ECO7CJ 401	Core Course 14 in Major – Time Series Econometrics	75	5	4	30	70	100
	ECO7CJ 402	Core Course 15 in Major – Game Theory and Economic Behaviour	75	5	4	30	70	100
7	ECO7CJ 403	Core Course 16 in Major – Development Theories and Models	75	5	4	30	70	100
	ECO7CJ 404	Core Course 17 in Major – Balance of Payments and Exchange Market	75	5	4	30	70	100
	ECO7CJ 405	Core Course 18 in Major – Development Issues in Kerala	75	5	4	30	70	100
	Total			25	20			500
8	ECO8CJ 406 / ECO8MN 406	Core Course 19 in Major – Macroeconomic Models and Measurement	75	5	4	30	70	100

Seme	Course	Irse	Total	Hours/ Week		Marks				
ster	Code	Course Title	Hours		Credits	Inter nal	Exter nal	Total		
	ECO8CJ 407 / ECO8MN 407	Core Course 20 in Major – Applied Microeconomics and Evaluation	60	4	4	30	70	100		
		Core Course 21 in Major – Heterodox Economics	60	4	4	30	70	100		
		OR (instead of Core Cou	ırses 19 –	21 in Ma	ajor))				
	ECO8CJ 449	Project (in Honours programme)	360*	13*	12	90	210	300		
	ECO8CJ 499	Research Project (in Honours with Research programme)	360*	13*	12	90	210	300		
		Elective Course 5 in Major / Minor Course 7	60	4	4	30	70	100		
		Elective Course 6 in Major / Minor Course 8	60	4	4	30	70	100		
		Elective Course 7 in Major / Minor Course 9 / Major Course in any Other Discipline	60	4	4	30	70	100		
	OR (in	stead of Elective Course 7 in Major, in th	e case of	Honours	with Res	search	Progran	nme)		
	ECO8CJ 489 (1)/ ECO8CJ 489 (2)	Methods for Quantitative Research in Economics/ Methods for Qualitative Research in Economics	60	4	4	30	70	100		
		Total		25	24			600		
		Total Credits for Four Years			177			4425		

^{*} The teacher should have 13 hrs/week of engagement (the hours corresponding to the three core courses) in the guidance of the Project(s) in Honours programme and Honours with Research programme, while each student should have 24 hrs/week of engagement in the Project work. Total hours are given based on the student's engagement.

CREDIT DISTRIBUTION FOR PATHWAYS 1 – 4

- 1. Single Major
- 3. Major with Minor

- 2. Major with Multiple Disciplines
- 4. Major with Vocational Minor

Semester	Major Courses	Minor Courses	General Foundation Courses	Internship/ Project	Total				
1	4	4 + 4	3+3+3	-	21				
2	4	4 + 4	3+3+3	-	21				
3	4 + 4	4 + 4	3 + 3	-	22				
4	4+4+4	-	3+3+3	-	21				
5	4+4+4+4+4	-	3	-	23				
6	4+4+4+4+4	-	3	2	25				
Total for									
Three	68	24	39	2	133				
Years									
7	4+4+4+4+4	-	-	-	20				
8	4 + 4 + 4	4+4+4	-	12*	24				
	* Instead of three Major courses								
Total for Four Years	88 + 12 = 100	36	39	2	177				

DISTRIBUTION OF MAJOR COURSES IN ECONOMICS FOR PATHWAYS 1 – 4

1. Single Major

2. Major with Multiple Disciplines

3. Major with Minor

4. Major with Vocational Minor

Semester	Course Code	Course Title	Hours/ Week	Credits
1	ECO1CJ 101 / ECO1MN 100	Core Course 1 in Major – Principles of Economics	5	4
2	ECO2CJ 102 / ECO2MN 100	Core Course 2 in Major – Budget Analysis	5	4
	ECO3CJ 201	Core Course 3 in Major – Analytical Tools for Economics – I	4	4
3	ECO3CJ 202 / ECO3MN 200	Core Course 4 in Major – Evolution of Economic Theories	4	4

	ECO4CJ	Core Course 5 in Major – Intermediate		
4	203	Microeconomics	4	4
	ECO4CJ	Core Course 6 in Major – Intermediate	4	4
	204	Macroeconomics	4	4
	ECO4CJ	Core Course 7 in Major – Analytical Tools for	4	4
	205	Economics – II	4	4
	ECO5CJ	Core Course 8 in Major – Advanced	4	4
	301	Microeconomics	4	4
	ECO5CJ	Core Course 9 in Major – International Trade	4	4
_	302	Theories		
5	ECO5CJ	Core Course 10 in Major – Growth Theories in	4	4
	303	Economics		
		Elective Course 1 in Major	4	4
		Elective Course 2 in Major	4	4
	ECO6CJ			
	304 /	Core Course 11 in Major –	4	4
	ECO8MN	Development Issues in Indian Economy		-
	304			
	ECO6CJ 305 /	Care Course 12 in Major Elementowy		
	ECO8MN	Core Course 12 in Major – Elementary Econometrics	5	4
	305	Econometres		
6	ECO6CJ			
	306 /	Core Course 13 in Major – Advanced	4	4
	ECO8MN	Macroeconomics	4	4
	306			
		Elective Course 3 in Major	4	4
		Elective Course 4 in Major	4	4
	ECO6CJ	Internship in Major	-	2
	349	. ,		
		Total for the Three Years		70
	ECO7CJ	Core Course 14 in Major – Time Series	5	4
	401	Econometrics		·
	ECO7CJ	Core Course 15 in Major – Game Theory and	5	4
7	402 ECO7CI	Economic Behaviour Core Course 16 in Major - Development Theories		
/	ECO7CJ 403	Core Course 16 in Major – Development Theories and Models	5	4
	ECO7CJ	Core Course 17 in Major – Balance of Payments		
	404	and Exchange Market	5	4
	ECO7CJ	Core Course 18 in Major – Development Issues in		,
	405	Kerala	5	4

	ECO8CJ	Core Course 19 in Major – Macroeconomic		
	406 /	Models and Measurement	_	4
	ECO8MN		5	4
	406			
	ECO8CJ	Core Course 20 in Major – Applied		
	407 /	Microeconomics and Evaluation	4	4
	ECO8MN		4	4
	407			
	ECO8CJ	Core Course 21 in Major – Heterodox Economics		
	408 /		4	4
	ECO8MN		·	4
	408			
8		OR (instead of Core Courses 19 – 21 in Major)	
	ECO8CJ	Project	13	12
	449	(in Honours programme)		
	ECO8CJ	Project	13	12
	499	(in Honours with Research programme)		
		Elective Course 5 in Major	4	4
		Elective Course 6 in Major	4	4
		Elective Course 7 in Major	4	4
	OR (instea	nd of Elective course 7 in Major, in Honours with Res	earch prog	ramme)
	ECO8CJ	Methods for Quantitative Research in Economics/		
	489 (1)/	Methods for Qualitative Research in Economics	4	4
	ECO8CJ		4	4
	489 (2)			
		Total for the Four Years		114

ELECTIVE COURSES IN ECONOMICS

Sl.	Course	Title	Seme	Total	Hrs/	Cre		Marks	
No.	Code		ster	Hrs	Week	dits	Inte	Exte	Total
							rnal	rnal	
1	ECO5EJ	Gender Analysis in	5	60	4	4	30	70	100
	301	Economics)	00	4	4	30	/0	100
2	ECO5EJ	Environment and	5	60	4	4	30	70	100
	302	Sustainable Development	J	00	4	4	30	70	100
3	ECO5EJ	Economic Database	5	60	4	4	30	70	100
	303	Management	3	00	4	4	30	/0	100
4	ECO5EJ	Economics of Labour	5	60	4	4	30	70	100
	304	Market	3	00	4	4	30	/ 0	100

5	ECO5EJ	Health Economics	5	60	4	4	30	70	100
	305		5	00	7	7	50	, 0	100
6	ECO5EJ	Human Capital and	5	60	4	4	30	70	100
	306	Economic Development		00		7	50	, 0	100
7	ECO6EJ	Industrial Economics	6	60	4	4	30	70	100
	307		Ů	00	7	7	50	, 0	100
8	ECO6EJ	Agricultural Economics	6	60	4	4	30	70	100
	308		Ŭ	00	7			, 0	100
9	ECO6EJ	Indian Financial Market	6	60	4	4	30	70	100
	309			00	7	7	50	, 0	100
10	ECO6EJ	Demography	6	60	4	4	30	70	100
	310		0	00	7	7	50	70	100
11	ECO6EJ	Basic Methods for	6	60	4	4	30	70	100
	311	Economic Research			7	7	50	, 0	100
12	ECO6EJ	Economic Geography	6	60	4	4	30	70	100
	312		0	00	7		50	70	100
13	ECO8EJ	Social Choice Theory	8	60	4	4	30	70	100
	401		0	00	7	7	50	, 0	100
14	ECO8EJ	Banking and Insurance	8	60	4	4	30	70	100
	402		0		7	7	50	70	100
15	ECO8EJ	Economics of Education	8	60	4	4	30	70	100
	403		0	00	7	7	50	70	100
16	ECO8EJ	Law and Economics	8	60	4	4	30	70	100
	404		U	00	-+	-	50	/ 0	100
17	ECO8EJ	Local Level Planning	8	60	4	4	30	70	100
	405		U	00	7	_	50	70	100
18	ECO8EJ	Finance and Technology	8	60	4	4	30	70	100
	406		0	00		-	50	/ 0	100

GROUPING OF MINOR COURSES IN ECONOMICS

(The minor courses given below should not be offered to students who have taken Economics/Development Economics/Economics with Foreign Trade/Economics with Islamic Finance as the major discipline.)

(Title of the Minor: **ECONOMICS**)

Group	Sl.	Course	Title	Seme	Total	Hrs/	Cre		Marks	3
No.	No.	Code		ster	Hrs	Week	dits	Inte	Exte	Total
								rnal	rnal	
1			FISCAL P	OLICY	IN PRA	CTICE				

2		1	ECO1MN 101	Fiscal Tools for Policy Formulation	1	60	4	4	30	70	100
201		2	ECO2MN	Fiscal Policy and	2	60	4	4	30	70	100
Column Monetary Policy In Practice 1		3		Tax Policy in India	3	60	4	4	30	70	100
1 ECO1MN Monetary Tools for Policy 1 60 4 4 30 70 100											
102 Formulation 1 60 4 4 30 70 100	2			MONETARY	POLIC	Y IN PI	RACTIO	Œ			
102 Formulation 2 ECO2MN Monetary Policy and 102 Stabilization 2 60 4 4 30 70 100		1	ECO1MN	Monetary Tools for Policy	1	60	4	4	20	70	100
102 Stabilization 2 60 4 4 30 70 100			102	Formulation	1	60	4	4	30	/0	100
3 ECO3MN Monetary Policy in India 3 60 4 4 30 70 100		2	ECO2MN	Monetary Policy and	7	60	4	4	20	70	100
SECTORAL DYNAMICS IN INDIAN ECONOMY 1 ECO1MN Sectoral contributions in 1 60 4 4 30 70 100 100 103 Indian Economy 1 60 4 4 30 70 100 103 Industrial Policies in India 2 60 4 4 30 70 100			102	Stabilization	2	60	4	4	30	/0	100
SECTORAL DYNAMICS IN INDIAN ECONOMY 1 ECO1MN Sectoral contributions in 1 60 4 4 30 70 100		3	ECO3MN			CO	4	4	20	70	100
1 ECO1MN Sectoral contributions in 103 Indian Economy 1 60 4 4 30 70 100			202	Monetary Policy in India	3	60	4	4	30	/0	100
1 ECO1MN Sectoral contributions in 103 Indian Economy 1 60 4 4 30 70 100											
103	3			SECTORAL DYNA	MICS I	N INDI	AN EC	ONOM	IY		
103		1	ECO1MN	Sectoral contributions in	1	60	4	1	20	70	100
103			103	Indian Economy	1	00	4	4	30	/0	100
103 Industrial Policies in India 3 60 4 4 30 70 100		2	ECO2MN		7	60	1	4	20	70	100
A INDIAN ECONOMIC DEVELOPMENT 1 ECO1MN Development issues in 104 Indian Economy 1 60 4 4 30 70 100 100 104 105			103	Industrial Policies in India	2	00	4	4	30	/0	100
A INDIAN ECONOMIC DEVELOPMENT 1 ECO1MN Development issues in 1 60 4 4 30 70 100		3	ECO3MN	Agricultural Development	2	60	4	4	20	70	100
1 ECO1MN 104 Development issues in Indian Economy 1 60 4 4 30 70 100 2 ECO2MN 104 Trade Policy in India 2 60 4 4 30 70 100 3 ECO3MN 204 Knowledge Economy in India 3 60 4 4 30 70 100 5 FOUNDATIONS OF ECONOMICS 1 ECO1MN Microeconomics 1 60 4 4 30 70 100			203	in India	J	00	4	4	30	70	100
1 ECO1MN 104 Development issues in Indian Economy 1 60 4 4 30 70 100 2 ECO2MN 104 Trade Policy in India 2 60 4 4 30 70 100 3 ECO3MN 204 Knowledge Economy in India 3 60 4 4 30 70 100 5 FOUNDATIONS OF ECONOMICS 1 ECO1MN Microeconomics 1 60 4 4 30 70 100											
104 Indian Economy 1 60 4 4 30 70 100 2 ECO2MN Trade Policy in India 2 60 4 4 30 70 100 3 ECO3MN Knowledge Economy in 204 India 3 60 4 4 30 70 100 5 FOUNDATIONS OF ECONOMICS 1 ECO1MN Microeconomics 1 60 4 4 30 70 100 6 7 7 7 7 7 7 7 7 7	4			INDIAN ECO	NOMIC	DEVE	LOPME	NT			
104 Indian Economy		1	ECO1MN	Development issues in	1	60	1	1	30	70	100
104 Trade Policy in India 2 60 4 4 30 70 100 3 ECO3MN Knowledge Economy in 204 India 3 60 4 4 30 70 100 5 FOUNDATIONS OF ECONOMICS 1 ECO1MN Microeconomics 1 60 4 4 30 70 100 6 7 7 7 7 7 7 7 7 7			104	Indian Economy	1	00	7	7	50	70	100
104 3 ECO3MN Knowledge Economy in 204 India 3 60 4 4 30 70 100		2	ECO2MN	Trada Dolicy in India	2	60	4	1	30	70	100
204 India 3 60 4 4 30 70 100			104	Trade Folicy III IIIdia		00	7	7	50	70	100
204 India		3	ECO3MN	Knowledge Economy in	3	60	4	4	30	70	100
1 ECO1MN Microeconomics 1 60 4 4 30 70 100			204	India	5	00	-	_	50	7.0	100
1 ECO1MN Microeconomics 1 60 4 4 30 70 100		1									
	5						1		1		Г
		1			1	60	4	4	30	70	100
			105	Foundations							
		2			2	60	4	4	30	70	100
105 Foundations											
		3			3	60	4	4	30	70	100
205 Economics			205	Economics							

GROUPING OF VOCATIONAL MINOR COURSES IN ECONOMICS

(The vocational minor courses given below should not be offered to students who have taken Economics/Development Economics/Economics with Foreign Trade/Economics with Islamic Finance as the major discipline)

(Title of the Vocational Minor: Economics)

Group	Sl.	Course	Title	Seme	Total	Hrs/	Cre		Marks	3
No.	No.	Code		ster	Hrs	Week	dits	Inte	Exte	Total
								rnal	rnal	
1			Inco	me Tax	Practice	es				
	1	ECO1VN	Basics of Income Tax	1	60	4	4	30	70	100
		101			00	7				
	2	ECO2VN	Calculation of Income for	2	60	4	4	30	70	100
		101	Taxation		00	7				
	3	ECO3VN	Income Tax Assessment	3	60	4	4	30	70	100
		201			00	7				
	4	ECO8VN	Income Tax Laws,	8	60	4	4	30	70	100
		301	Procedures and							
			Authorities							
_										
2			(GST Pra	ctices	T				
	1	ECO1VN	Foundations of GST	1	60	4	4	30	70	100
		102				•				
	2	ECO2VN	GST Compliance	2	60	4	4	30	70	100
		102				•				
	3	ECO3VN	GST Audit and	3	60	4	4	30	70	100
		202	Investigation Techniques							
	4	ECO8VN	Advanced Topics in GST:	8	60	4	4	30	70	100
		302	Anti-Evasion Measures							
			and Case Studies							

DISTRIBUTION OF GENERAL FOUNDATION COURSES IN ECONOMICS

Sem	Солиса		Total	Hours/	Credit		Marks			
este r	Course Code	Course Title	Hours	Week	s	Inter nal	Exter nal	Total		
1	ECO1FM 105	Multi-Disciplinary Course 1 – Security Trading Practices	45	3	3	25	50	75		

2	ECO2FM 106	Multi-Disciplinary Course 2 – Digital Economy	45	3	3	25	50	75
3	ECO3FV 108	Value-Added Course 1 – Financial Literacy and Personal Finance	45	3	3	25	50	75
4	ECO4FV 110	Value-Added Course 2 – Digital Marketing and E- Commerce Strategies	45	3	3	25	50	75
5	ECO5FS 112	Skill Enhancement Course 2 – Big Data Analysis in Economics	45	3	3	25	50	75
6	ECO6FS 113	Skill Enhancement Course 3 –Economic Research with R	45	3	3	25	50	75

COURSE STRUCTURE FOR BATCH A1(B2) IN PATHWAY 5: DOUBLE MAJOR

A1: 68 credits in Economics (Major A) A2: 53 credits in Economics (Major A) B1: 68 credits in Major B B2: 53 credits in Major B

The combinations available to the students: (A1 & B2), (B1 & A2)

Note: Unless the batch is specified, the course is for all the students of the class

Se	Course		Total	Hour	-		Mar	ks
mes ter	Code	Course Title	Hours	s/ Week	Credits	Inte rnal	Exte rnal	Total
1	ECO1CJ	Cara Cauraa 1 in Maiar						
	101 / ECO1MN 100	Core Course 1 in Major Economics – Principles of Economics	75	5	4	30	70	100
	BBB1CJ 101	Core Course 1 in Major B –	60/ 75	4/ 5	4	30	70	100
	ECO1CJ 102 / ECO2CJ 102* / ECO2MN 100*	Core Course 2 in Major Economics – Budget Analysis (for batch A1 only)	75	5	4	30	70	100
	ENG1FA 101(1B)	Ability Enhancement Course 1 – English	60	4	3	25	50	75

		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75
	ECO1FM 105	Multi-Disciplinary Course 1 in Economics – Security Trading Practices (for batch A1 only)	45	3	3	25	50	75
		Total		24/ 25	21			525
	ECO2CJ 101 / ECO3CJ 201*	Core Course 3 in Major Economics – Analytical Tools for Economics – I	60	4	4	30	70	100
	BBB2CJ 101	Core Course 2 in Major B –	60/ 75	4/5	4	30	70	100
2	BBB2CJ 102 / BBB1CJ 102	Core Course 3 in Major B – (for batch B2 only)	60/ 75	4/ 5	4	30	70	100
	ENG2FA 103(1B)	Ability Enhancement Course 3 – English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
	ECO2FM 106	Multi-Disciplinary Course 2 in Economics – Digital Economy	45	3	3	25	50	75
		Total		22/24	21			525
3	ECO3CJ 202 / ECO3MN2 00	Core Course 4 in Major Economics – Evolution of Economic Theories	60	4	4	30	70	100
	ECO3CJ 203 / ECO4CJ 203*	Core Course 5 in Major Economics – Intermediate Microeconomics	60	4	4	30	70	100
	BBB3CJ 201	Core Course 4 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3CJ 202	Core Course 5 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3FM 106 / BBB2FM 106	Multi-Disciplinary Course 1 in B –	45	3	3	25	50	75
	ECO3FV 108	Value-Added Course 1 in Economics – Financial Literacy and Personal Finance (for batch A1 only)	45	3	3	25	50	75

		Total		22/24	22			550
	ECO4CJ 204	Core Course 6 in Major Economics – Intermediate Macroeconomics	60	4	4	30	70	100
		Core Course 6 in Major B	60/ 75	4/ 5	4	30	70	100
4	ECO4CJ 205	Core Course 7 in Major Economics – Analytical Tools for Economics – II (for batch A1 only)	60	4	4	30	70	100
	ECO4FV 110	Value-Added Course 2 in Economics – Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75
	BBB4FV 110	Value-Added Course 1 in B –	45	3	3	25	50	75
	ECO4FS 112 / ECO5FS 112*	Skill Enhancement Course 1 in Economics – Big Data Analysis in Economics	45	3	3	25	50	75
		Total		21/22	21			525
	ECO5CJ 302	Core Course 8 in Major Economics – International Trade Theories	60	4	4	30	70	100
		Core Course 7 in Major B –	60/ 75	4/5	4	30	70	100
	ECO5CJ 303	Core Course 9 in Major Economics – Growth Theories in Economics (for batch A1 only)	60	4	4	30	70	100
5		Elective Course 1 in Major Economics	60	4	4	30	70	100
		Elective Course 1 in Major B	60	4	4	30	70	100
	BBB5FS 112 / BBB4FS 112	Skill Enhancement Course 1 in B	45	3	3	25	50	75
		Total		23/24	23			575
	ECO6CJ 304 / ECO8MN 304	Core Course 10 in Major Economics – Development Issues in Indian Economy	60	4	4	30	70	100
6		Core Course 8 in Major B –	60/ 75	4/ 5	4	30	70	100
	BBB6CJ 305	Core Course 9 in Major B – (for batch B2 only)	60	4	4	30	70	100

	Elective Course 2 in Major	60	4	4	30	70	100
	Economics						
	Elective Course 2 in Major B	60	4	4	30	70	100
ECO6FS	Skill Enhancement Course 2 in						
113	Economics – Economic Research	45	3	3	25	50	75
113	with R (for batch A1 only)						
	Internship in Major Economics						
ECO6CJ	(Credit for internship to be	60		2	50		50
349	awarded only at the end of	00		2	50	-	50
	Semester 6)						
	Total		23/24	25			625
Total Credits for Three Years							3325

For batch A1(B2), the course structure in semesters 7 and 8 is the same as for pathways 1-4, except that the number of the core and elective courses is in continuation of the number of courses in the two categories completed at the end of semester 6.

CREDIT DISTRIBUTION FOR BATCH A1(B2) IN PATHWAY 5: DOUBLE MAJOR

Semester	Major Courses in Economics	General Foundation Courses in Economics	Internship/ Project in Economics	Major Courses in B	General Foundation Courses in B	AEC	Total
1	4 + 4	3	-	4	-	3 + 3	21
2	4	3	-	4 + 4	-	3 + 3	21
3	4 + 4	3	-	4 + 4	3	-	22
4	4 + 4	3 + 3	-	4	3	-	21
5	4+4+4	-	-	4 + 4	3	-	23
6	4 + 4	3	2	4+4+4	-	-	25
Total for	48	18	2	44	9	12	133
Three Years		68		53		12	133
	Major	Minor					
	Major Courses in	Minor Courses					
7	Courses in				-	-	20
7	Courses in Economics				-	-	20
7 8	Courses in Economics 4+4+4+		12*		-	-	20

^{*}The course code of the same course as used for the pathways 1-4

Total for	88 + 12 =				
Four	100	12			177
Years	100				

COURSE STRUCTURE FOR BATCH B1(A2) IN PATHWAY 5: DOUBLE MAJOR

A1: 68 credits in Economics (Major A)
A2: 53 credits in Economics (Major A)

B1: 68 credits in Major B B2: 53 credits in Major B

The combinations available to the students: (A1 & B2), (B1 & A2)

Note: Unless the batch is specified, the course is for all the students of the class

Se			Tota				Mark	KS
mes ter	Course Code	Course Title	l Hou rs	Hours/ Week	Credi ts	Inte rnal	Ext ern al	Total
	ECO1CJ 101 / ECO1MN 100	Core Course 1 in Major Economics – Principles of Economics	75	5	4	30	70	100
	BBB1CJ 101	Core Course 1 in Major B –	60/ 75	4/ 5	4	30	70	100
1	BBB1CJ 102 / BBB2CJ 102	Core Course 2 in Major B – (for batch B1 only)	60/ 75	4/ 5	4	30	70	100
	ENG1F A 101(1B)	Ability Enhancement Course 1 – English	60	4	3	25	50	75
		Ability Enhancement Course 2 – Additional Language	45	3	3	25	50	75
	BBB1F M 105	Multi-Disciplinary Course 1 in B – (for batch B1 only)	45	3	3	25	50	75
		Total		23/25	21			525
2	ECO2CJ 101 / ECO3CJ 201*	Core Course 2 in Major Economics – Analytical Tools for Economics – I	60	4	4	30	70	100
	BBB2CJ 101	Core Course 3 in Major B –	60/ 75	4/ 5	4	30	70	100

	ECOSCI							
	ECO2CJ 102 / ECO2MN 100	Core Course 3 in Major Economics – Budget Analysis (for batch A2 only)	75	5	4	30	70	100
	ENG2F A 103(1B)	Ability Enhancement Course 3 – English	60	4	3	25	50	75
		Ability Enhancement Course 4 – Additional Language	45	3	3	25	50	75
	ECO2FM 106	Multi-Disciplinary Course 1 in Economics – Digital Economy	45	3	3	25	50	75
		Total		23/24	21			525
	ECO3CJ 202 / ECO3MN 200	Core Course 4 in Major Economics – Evolution of Economic Theories	60	4	4	30	70	100
	ECO3CJ 203 / ECO4CJ 203*	Core Course 5 in Major Economics – Intermediate Microeconomics	60	4	4	30	70	100
3	BBB3CJ 201	Core Course 4 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3CJ 202	Core Course 5 in Major B	60/ 75	4/ 5	4	30	70	100
	BBB3FM 106 / BBB2FM 106	Multi-Disciplinary Course 2 in B –	45	3	3	25	50	75
	BBB3FV 108	Value-Added Course 1 in B – (for batch B1 only)	45	3	3	25	50	75
		Total		22/24	22			550
4	ECO4CJ 204	Core Course 6 in Major Economics – Intermediate Macroeconomics	60	4	4	30	70	100
		Core Course 6 in Major B	60/ 75	4/ 5	4	30	70	100
		Core Course 7 in Major B – (for batch B1 only)	60/ 75	4/ 5	4	30	70	100
	ECO4FV 110	Value-Added Course 1 in Economics — Digital Marketing and E-Commerce Strategies	45	3	3	25	50	75

	BBB4F V 110	Value-Added Course 2 in B –	45	3	3	25	50	75
	ECO4FS 112 / ECO5FS 112*	Skill Enhancement Course 1 in Economics – Big Data Analysis in Economics	45	3	3	25	50	75
		Total		21/23	21			525
	ECO5CJ 301	Core Course 7 in Major Economics – Advanced Microeconomics	60	4	4	30	70	100
		Core Course 8 in Major B –	60/ 75	4/5	4	30	70	100
		Core Course 9 in Major B – (for batch B1 only)	60	4	4	30	70	100
5		Elective Course 1 in Major Economics	60	4	4	30	70	100
		Elective Course 1 in Major B	60	4	4	30	70	100
	BBB5FS 112 / BBB4FS 112	Skill Enhancement Course 1 in B	45	3	3	25	50	75
		Total		23/24	23			575
	ECO6CJ 304 / ECO8M N304	Core Course 8 in Major Economics – Development Issues in Indian Economy	60	4	4	30	70	100
		Core Course 10 in Major B –	60/ 75	4/ 5	4	30	70	100
6	ECO6CJ 306 / ECO8MN 306	Core Course 9 in Major Economics – Advanced Macroeconomics (for batch A2 only)	60	4	4	30	70	100
		Elective Course 2 in Major Economics	60	4	4	30	70	100
		Elective Course 2 in Major B	60	4	4	30	70	100
	BBB6FS 113	Skill Enhancement Course 2 in B – (for batch B1 only)	45	3	3	25	50	75

	Total Total Credits for Three Years		23/24	25 133			625 3325
349	Semester 6)						
BBB6CJ 349	Internship in Major B (Credit for internship to be awarded only at the end of	60		2	50	-	50

To continue to study Economics in semesters 7 and 8, batch B1(A2) needs to earn additional 15 credits in Economics to make the total credits of 68. Suppose this condition is achieved, and the student of batch B1(A2) proceeds to the next semesters to study Economics. The course structure in semesters 7 and 8 is the same as for pathways 1 - 4, except that the number of the core and elective courses is in continuation of the number of courses in the two categories completed at the end of semester 6, taking into account the number of courses in Economics taken online to earn the additional 15 credits.

CREDIT DISTRIBUTION FOR BATCH B1(A2) IN PATHWAY 5: DOUBLE MAJOR

Semester	Major Courses in B	General Foundation Courses in B	Internship/ Project in B	Major Courses in Economics	General Foundation Courses in Economics	AEC	Total
1	4 + 4	3	-	4	-	3 + 3	21
2	4	-	-	4 + 4	3	3 + 3	21
3	4 + 4	3 + 3	-	4 + 4	-	-	22
4	4 + 4	3	-	4	3 + 3	-	21
5	4+4+4	3	-	4 + 4	-	-	23
6	4 + 4	3	2	4+4+4	-	-	25
Total for	48	18	2	44	9	12	133
Three Years		68		5	53	12	133
	Major	Minor					
	Courses in B	Courses					
7	4 + 4 + 4 + 4 + 4	-			-	-	20
8	4+4+4	4+4+4	12*		-	-	24
		* In	stead of three I	Major courses			
Total for Four Years	88 + 12 = 100	12					177

^{*}The course code of the same course as used for the pathways 1-4

EVALUATION SCHEME

- 1. The evaluation scheme for each course contains two parts: internal evaluation (about 30%) and external evaluation (about 70%). Each of the Major and Minor courses is of 4-credits. It is evaluated for 100 marks, out of which 30 marks is from internal evaluation and 70 marks, from external evaluation. Each of the General Foundation course is of 3-credits. It is evaluated for 75 marks, out of which 25 marks is from internal evaluation and 50 marks, from external evaluation.
- **2.** The 4-credit courses (Major and Minor courses) are of two types: (i) courses with only theory and (ii) courses with 3-credit theory and 1-credit practical.
 - In 4-credit courses with only theory component, out of the total 5 modules of the syllabus, one open-ended module with 20% content is designed by the faculty member teaching that course, and it is internally evaluated for 10 marks. The internal evaluation of the remaining 4 theory modules is for 20 marks.
 - In 4-credit courses with 3-credit theory and 1-credit practical components, out of the total 5 modules of the syllabus, 4 modules are for theory and the fifth module is for practical. The practical component is internally evaluated for 20 marks. The internal evaluation of the 4 theory modules is for 10 marks.
- **3.** All the 3-credit courses (General Foundational Courses) in Economics are with only theory component. Out of the total 5 modules of the syllabus, one open-ended module with 20% content is designed by the faculty member teaching that course, and it is internally evaluated for 5 marks. The internal evaluation of the remaining 4 theory modules is for 20 marks.
- **4.** The students can write the external examination in Economics either completely in English or in Malayalam.

Sl. No.	Nature of the Course		Internal Evaluation in Marks (about 30% of the total)		External Exam	Total Marks
			Open-ended module / Practical	On the other 4 modules	on 4 modules (Marks)	
1	4-credit course	only theory (5 modules)	10	20	70	100
2	4-credit course	Theory (4 modules) + Practical	20	10	70	100
3	3-credit course	only theory (5 modules)	5	20	50	75

1. MAJOR AND MINOR COURSES

1.1. INTERNAL EVALUATION OF THEORY COMPONENT

Sl. No.	Components of Internal Evaluation of Theory	Internal Marks for the Theory Part of a Major / Minor Course of 4-credits					
	Part of a Major / Minor Course	Theory	Only	Theory + Practical			
		4 Theory Modules	Open-ended Module	4 Theory Modules	Practical		
1	Test paper/	10	4	5	-		
	Mid-semester Exam						
2	Seminar/ Viva/ Quiz	6	4	3	-		
3	Assignment	4	2	2	-		
		20	10	10	20*		
Total		30	30		30		

^{*}Refer the table in section 1.2 for the evaluation of practical component

1.2. EVALUATION OF PRACTICAL COMPONENT

The evaluation of practical component in Major and Minor courses is completely by internal evaluation.

- Continuous evaluation of practical by the teacher-in-charge shall carry a weightage of 50%.
- The end-semester practical examination and viva-voce, and the evaluation of practical records shall be conducted by the teacher in-charge and an internal examiner appointed by the Department Council.
- The process of continuous evaluation of practical courses shall be completed before 10 days from the commencement of the end-semester examination.
- Those who passed in continuous evaluation alone will be permitted to appear for the endsemester examination and viva-voce.

The scheme of continuous evaluation and the end-semester examination and viva-voce of practical component shall be as given below:

Sl. No.	Evaluation of Practical Component	Marks for	Weightage
	of Credit-1 in a Major / Minor Course	Practical	
1	Continuous evaluation of practical/ exercise	10	50%
	performed in practical classes by the students		
2	End-semester examination and viva-voce to be	7	35%

	conducted by teacher-in-charge along with an		
	additional examiner arranged internally by the		
	Department Council		
3	Evaluation of the Practical records submitted for the	3	15%
	end semester viva–voce examination by the teacher-		
	in-charge and additional examiner		
	Total Marks	20	

1.3. EXTERNAL EVALUATION OF THEORY COMPONENT

External evaluation carries 70% marks. Examinations will be conducted at the end of each semester. Individual questions are evaluated in marks and the total marks are converted into grades by the University based on 10-point grading system (refer section 5).

DATTEDN OF	OHESTION DADED	EOD MAIOD AND	MINOR COURSES
PATIERN OF	OUESTION PAPER	FUR MAJUR ANL	MINUR COURSES

Duration	Туре	Total No. of Questions	No. of	Marks for	Ceilin
			Questions to be	Each	g of
			Answered	Question	Marks
2 Hours	Short Answer	10	8 – 10	3	24
	Paragraph/ Problem	8	6 – 8	6	36
	Essay	2	1	10	10
Total Marks					70

2. INTERNSHIP

- All students should undergo Internship of 2-credits during the first six semesters in a firm, industry or organization, or training in labs with faculty and researchers of their own institution or other Higher Educational Institutions (HEIs) or research institutions.
- Internship can be for enhancing the employability of the student or for developing the research aptitude.
- Internship can involve hands-on training on a particular skill/ equipment/ software. It can be a
 short project on a specific problem or area. Attending seminars or workshops related to an area
 of learning or skill can be a component of Internship.
- A faculty member/ scientist/ instructor of the respective institution, where the student does the Internship, should be the supervisor of the Internship.

2.1. GUIDELINES FOR INTERNSHIP

1. All students shall undergo Internship or Apprenticeship in a firm, industry or organization, or training in labs with faculty and researchers of their own institution or other Higher Educational Institutions (HEIs) or research institutions.

- 2. For an internship, one credit of Internship means two-hour engagement per week. Accordingly, in a semester of 15 weeks' duration, two credits in this course is equivalent to 60 hours of engagement.
- 3. The students involved in the internship may continue their internship subject to the condition that his/her academic credits do not get affected in terms of attendance and other assignments. If the need arises, students may also have an opportunity to make use of summer & winter breaks for extending their learning from internships.

4. The internship aims to impart:

- The students should have an understanding and ability to develop solutions for real-life problems.
- The students will be made aware of the research ethics, professional accountability, conduct and will be able to practice the research ethics and appropriate skills in his/her own research work.
- The student will be able to enhance academic productivity by developing writing and reading skills and can make contributions towards social and economic issues.
- The intern can possess an attitude and skill of adaptability and flexibility for new challenges at organizational and individual level with a mindset of teamwork and collaborations.
- To increase the likelihood of securing future employment and to explore and clarify carrier goals.
- To develop a strong work ethics, time management and professionalism in a professional environment.

5. Role of Internship Coordinator

- An internship coordinator is a teacher, who will be nominated by the Department Council (DC) for monitoring and supervising the student during the internship duration. This person will be nominated at the start of the academic year for each batch.
- Internship Supervisor from the host institute should monitor the regularity of the intern at his/her workplace. On the completion of internship, the student should submit the project report in the prescribed format along with internship completion certificate issued by Internship Supervisor/authority from host organization. The project report shall be evaluated by faculty member delegated by the department council.
- Students can choose following organizations and mentor from HEIs/research organizations/registered industries/registered media organizations/ and companies/registered retail service providers/R&D labs and centres. They can also opt

Cooperative Organizations/Banking and nonbanking organizations/Insurance companies/Stock Broking Companies/Microfinance Institutions/Other national and international reputed institutions/libraries in HEIs and registered under library council /NGOs/certified farmers/plantations/local self-governing bodies/ outside India experts working at the international level, Organizations under State Government/Central Government, elected representatives to the parliament/ state assembly. Students can also undertake an internship from national/international reputed institutions through online mode.

6. Guidelines for Internship Report

- The Internship certificate should be certified by the Head of the Institution. It should contain the Name of the Student, Name of the Internship course, Name of the Institute, Type of work done and duration of work (60 hrs).
- Internship Report should contain 3000-5000 words typed in Times New Roman, size 12,
 1.5 space, on double sides and neatly soft bound. It should be submitted to the concerned
 Department before VI Semester university Exam Notification.
- The Internship Report should be in the following structure
 - a) Title page- Title of the Internship, Name and Register Number of the Student, Year, Name of the institute and name of the college and department.
 - b) Declaration
 - c) Certificate signed by the Head of the Institution (Internship Institute)
 - d) Index
 - e) Content Page Introduction

Nature of the work Methodology

Outcome of the work

Limitations

Suggestions

2.2. EVALUATION OF INTERNSHIP

- The evaluation of Internship shall be done internally through continuous assessment mode by a
 committee internally constituted by the Department Council of the college where the student
 has enrolled for the UG Honours programme.
- The credits and marks for the Internship will be awarded only at the end of semester 6.
- The scheme of continuous evaluation and the end-semester viva-voce examination based on the submitted report shall be as given below:

Sl. No.	Components of Evaluation of Internship	Marks for	Weightage
		Internship	

			2 Credits	
1	Continuous evaluation of internship through interim	Acquisition of skill set	10	40%
2	presentations and reports by the committee internally	Interim Presentation and Viva-voce	5	
3	constituted by the Department Council	Punctuality	5	
4	Report of Institute Visit/ Stud	dy Tour	5	10%
5	End-semester viva-voce examination to be	Quality of the work	6	35%
6	conducted by the	Presentation of the work	5	
7	committee internally constituted by the Department Council	Viva-voce	6	
8	Evaluation of the day-to-d internship supervisor, and fine end semester viva—voce committee internally constitution.	nal report submitted for the examination before the	8	15%
		Total Marks	50	

3. PROJECT

3.1. PROJECT IN HONOURS PROGRAMME

- In Honours programme, the student has the option to do a Project of 12-credits instead of three Core Courses in Major in semester 8.
- The Project can be done in the same institution/ any other higher educational institution (HEI)/ research centre/ training centre.
- The Project in Honours programme can be a short research work or an extended internship or a skill-based training programme.
- A faculty member of the respective institution, where the student does the Project, should be the supervisor of the Project.

3.2. PROJECT IN HONOURS WITH RESEARCH PROGRAMME

- Students who secure 75% marks and above (equivalently, CGPA 7.5 and above) cumulatively in the first six semesters are eligible to get selected to Honours with Research stream in the fourth year.
- A relaxation of 5% in marks (equivalently, a relaxation of 0.5 grade in CGPA) is allowed for those belonging to SC/ ST/ OBC (non-creamy layer)/ Differently-Abled/ Economically Weaker Section (EWS)/ other categories of candidates as per the decision of the UGC from time to time.

- In Honours with Research programme, the student has to do a mandatory Research Project of 12-credits instead of three Core Courses in Major in semester 8.
- The approved research centres of University of Calicut or any other university/ HEI can offer the Honours with Research programme. The departments in the affiliated colleges under University of Calicut, which are not the approved research centres of the University, should get prior approval from the University to offer the Honours with Research programme. Such departments should have minimum two faculty members with Ph.D., and they should also have the necessary infrastructure to offer Honours with Research programme.
- A faculty member of the University/ College with a Ph.D. degree can supervise the research project of the students who have enrolled for Honours with Research. One such faculty member can supervise maximum five students in Honours with Research stream.
- The maximum intake of the department for Honours with Research programme is fixed by the
 department based on the number of faculty members eligible for project supervision, and other
 academic, research, and infrastructural facilities available.
- If a greater number of eligible students are opting for the Honours with Research programme than the number of available seats, then the allotment shall be based on the existing rules of reservations and merits.

3.3. GUIDELINES FOR THE PROJECT IN HONOURS PROGRAMME

AND HONOURS WITH RESEARCH PROGRAMME

- 1. Project can be done in topics related to Economics.
- 2. Project should be done individually.
- 3. Project work can be of experimental/theoretical/analytical in nature.
- 4. There should be minimum 240 hrs. of engagement from the student in the Project work in Honours programme.
- 5. There should be minimum 13 hrs./week of engagement (the hours corresponding to the three core courses in Major in semester 8) from the teacher in the guidance of the Project(s) in Honours programme and Honours with Research programme.
- 6. The various steps in project works are the following:
 - ➤ Wide review of a topic.
 - Investigation on a problem in systematic way using appropriate techniques.
 - > Systematic recording of the work.
 - ➤ Reporting the results with interpretation in a standard documented form.
 - Presenting the results before the examiners.

- 7. A hard copy of the report should be kept for reference at the department. A soft copy of the report should be submitted in pdf format for external evaluation well in advance.
- 8. It is desirable, but not mandatory, to publish the results of the Project in a peer reviewed journal.
- 9. The project report shall have declaration from the student and certificate from the research supervisor for originality of the work, stating that the work has not been submitted for the award of any other degree/ diploma in the same institution or any other institution.
- 10. Plagiarism check report has to be incorporated in the project report after the declaration of the student.
- 11. The project proposal, institution at which the project is being carried out, and the project supervisor should be prior-approved by the Department Council of the college where the student has enrolled for the UG Honours programme.

12. Structure of the Project

- Cover Page and Front Page
 - a. Title of the project
 - b. Degree for which project is submitted.
 - c. Name of the Candidate & University Register Number
 - d. Name of the College
 - e. Month and year of the project report submission

Contents

- a. Declaration by the student
- b. Plagiarism check certificate
- c. Certificate of the supervising teacher countersigned by the head of the department.
- d. Acknowledgement.
- e. Table of Contents
- f. List of Tables
- g. List of Figures
- h. Introductory Chapter
- i. Analysis Chapters
- j. Concluding Chapter
- k. Bibliography
- l. Appendix
- ➤ Contents of the Introductory Chapter
 - 1. Introduction

- 2. Review of literature
- 3. Research Gap
- 4. Statement of the problem
- 5. Significance of the study
- 6. Scope of the study
- 7. Statement of objectives
- 8. Hypotheses (optional)
- 9. Methodology
 - a. Data sources
 - b. Tools of analysis (quantitative and qualitative)
 - c. Conceptual Framework-Optional (specification of terms and concepts)
- 10. Limitations of the study
- 11. Chapter outlines.
- > Style of Report
 - 1. Report Length: 50 to 70 pages excluding Appendix and Certificates
 - 2. Alignment: Justify
 - 3. Font: Times New Roman
 - 4. Font size: 12
 - 5. Line spacing: 1.5
 - 6. Bibliography: APA style

3.4. EVALUATION OF PROJECT

- The evaluation of Project will be conducted at the end of the eighth semester by both internal and external modes.
- The Project in Honours programme as well as that in Honours with Research programme will be evaluated for 300 marks. Out of this, 90 marks is from internal evaluation and 210 marks, from external evaluation.
- The internal evaluation of the Project work shall be done through continuous assessment mode by a committee internally constituted by the Department Council of the college where the student has enrolled for the UG Honours programme. 30% of the weightage shall be given through this mode.
- The remaining 70% shall be awarded by the external examiner appointed by the University.
- The scheme of continuous evaluation and the end-semester viva-voce of the Project shall be as given below:

Components of Evaluation of Project	Marks for the Project	Weightage
	(Honours/	
	Honours with Research)	
Continuous evaluation of project work through	90	30%
interim presentations and reports by the		
committee internally constituted by the		
Department Council		
End-semester viva-voce examination to be	150	50%
conducted by the external examiner appointed by		
the university		
Evaluation of the day-to-day records and project	60	20%
report submitted for the end-semester viva-voce		
examination conducted by the external examiner		
Total Marks	300	

INTERNAL EVALUATION OF PROJECT

Sl. No	Components of Evaluation of Project	Marks for the Project (Honours/ Honours with Research)
1	Skill in doing project work	30
2	Interim Presentation and Viva-Voce	20
3	Punctuality and Log book	20
4	Scheme/ Organization of Project Report	20
	Total Marks	90

EXTERNAL EVALUATION OF PROJECT

		Marks for the Project
Sl. No	Components of Evaluation of Project	(Honours/
	g	Honours with Research)
		12 credits
1	Content and relevance of the Project,	
	Methodology, Quality of analysis,	50
	and Innovations of Research	
2	Presentation of the Project	50

3	Project Report (typed copy), Log Book and References	60
4	Viva-Voce	50
	Total Marks	210

4. GENERAL FOUNDATION COURSES

• All the General Foundation Courses (3-credits) in Economics are with only theory component.

4.1. INTERNAL EVALUATION

Sl. No.	Components of Internal	Internal Marks of a General Foundation		
	Evaluation of a General	Course of 3-credits in Economics		
	Foundation Course in Economics	4 Theory Modules	Open-ended Module	
1	Test paper/ Mid-semester Exam	10	2	
2	Seminar/ Viva/ Quiz	6	2	
3	Assignment	4	1	
		20	5	
	Total		25	

4.2. EXTERNAL EVALUATION

External evaluation carries about 70% marks. Examinations will be conducted at the end of each semester. Individual questions are evaluated in marks and the total marks are converted into grades by the University based on 10-point grading system (refer section 5).

PATTERN OF QUESTION PAPER FOR GENERAL FOUNDATION COURSES

Duration		Total No. of	No. of	Marks for	Ceilin
	Туре		Questions to be	Each	g of
		Questions	Answered	Question	Marks
	Short Answer	10	8 – 10	2	16
1.5 Hours	Paragraph/ Problem	5	4 – 5	6	24
	Essay	2	1	10	10
Total Marks					50

5. LETTER GRADES AND GRADE POINTS

- Mark system is followed for evaluating each question.
- For each course in the semester letter grade and grade point are introduced in 10-point indirect grading system as per guidelines given below.
- The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester.
- The Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.
- Only the weighted grade point based on marks obtained shall be displayed on the grade card issued to the students.

LETTER GRADES AND GRADE POINTS

Sl.	Percentage of Marks	Description	Letter	Grade	Range of	Class
No.	(Internal & External		Grade	Point	Grade	
	Put Together)				Points	
1	95% and above	Outstanding	О	10	9.50 - 10	First Class
2	Above 85% and below 95%	Excellent	A+	9	8.50 - 9.49	with Distinction
3	75% to below 85%	Very Good	A	8	7.50 – 8.49	
4	65% to below 75%	Good	B+	7	6.50 - 7.49	
5	55% to below 65%	Above	В	6	5.50 - 6.49	First Class
		Average				
6	45% to below 55%	Average	С	5	4.50 – 5.49	Second Class
7	35% to below 45% aggregate	Pass	P	4	3.50 - 4.49	Third Class
	(internal and external put					
	together) with a minimum of					
	30% in external valuation					
8	Below an aggregate of 35%	Fail	F	0	0 - 3.49	Fail
	or below 30% in external					
	evaluation					
9	Not attending the examination	Absent	Ab	0	0	Fail

- When students take audit courses, they will be given Pass (P) or Fail (F) grade without any credits.
- The successful completion of all the courses and capstone components prescribed for the threeyear or four-year programme with 'P' grade shall be the minimum requirement for the award of UG Degree or UG Degree Honours or UG Degree Honours with Research, as the case may be.

5.1. COMPUTATION OF SGPA AND CGPA

• The following method shall be used to compute the Semester Grade Point Average (SGPA): The SGPA equals the product of the number of credits (Ci) with the grade points (Gi) scored by a student in each course in a semester, summed over all the courses taken by a student in the semester, and then divided by the total number of credits of all the courses taken by the student in the semester.

i.e. SGPA (Si) =
$$\Sigma$$
i (Ci x Gi) / Σ i (Ci)

where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course in the given semester. Credit Point of a course is the value obtained by multiplying the credit (Ci) of the course by the grade point (Gi) of the course.

$$SGPA = \frac{\sum of \ the \ credit \ points \ of \ all \ the \ courses \in a \ semester}{Total \ credits} \in that \ semester$$

ILLUSTRATION - COMPUTATION OF SGPA

Semeste	Course	Credi	Letter	Grade	Credit Point
r		t	Grade	point	(Credit x Grade)
I	Course 1	3	A	8	3 x 8 = 24
I	Course 2	4	B+	7	4 x 7 = 28
I	Course 3	3	В	6	3 x 6 = 18
I	Course 4	3	0	10	3 x 10 = 30
I	Course 5	3	С	5	3 x 5 = 15
I	Course 6	4	В	6	4 x 6 = 24
	Total	20			139
	SGPA			139/20 = 6.950	

• The Cumulative Grade Point Average (CGPA) of the student shall be calculated at the end of a programme. The CGPA of a student determines the overall academic level of the student in a programme and is the criterion for ranking the students.

CGPA for the three-year programme in CUFYUGP shall be calculated by the following formula.

$$CGPA = \frac{\sum of \text{ the credit points of all the courses} \in six \text{ semesters}}{Total \text{ credits}} \in six \text{ semesters} (133)$$

CGPA for the four-year programme in CUFYUGP shall be calculated by the following formula.

$CGPA = \frac{\sum of \ the \ credit \ points \ of \ all \ the \ courses \in eight \ semesters}{Total \ credits \in eight \ semesters} (177)$

- The SGPA and CGPA shall be rounded off to three decimal points and reported in the transcripts.
- Based on the above letter grades, grade points, SGPA and CGPA, the University shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

Major Courses in Economics

Programme	B.A. Economics Honours				
Course Title	PRINCIPLES OF EC	ONOMICS			
Type of Course	Major				
Semester	I				
Academic Level	100 - 199				
Course Details	Credit	Lecture	Tutorial	Practical	Total Hours
		per week	per week	per week	
	4	3	-	2	75
Pre-requisites	Basic Economics Course of 0 – 99 level				
Course Summary	This course explores important principles, basic theories and models, various				
	economic systems and	other fundam	ental aspects o	of economics.	

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic principles of economics and its real-world applications.	Ü	C	Instructor-created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	Р	Practical Assignment / Observation of Practical Skills
CO3	Help the beginning student master the principles essential for understanding the economizing problem, specific economic issues, and policy alternatives.	U	Р	Seminar Presentation / Group Discussion
CO4	Understand and apply the economic perspective and reason accurately and objectively about economic matters.	Ap	С	Instructor-created exams / Home Assignments
CO5	Instil in students a fascination with both the functioning of the economy and the power and breadth of economics	Ū	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module Module	Unit	Content	Hrs	Marks
		Basic Principles of Economics	10	15
	How	People Make Decisions		
	1	People Face Trade-Offs	1	
	2	The Cost of Something Is What You Give	1	
	3	Rational People Think at the Margin	1	
	4	People Respond to Incentives	1	
	How	People Interact		
	5	Trade Can Make Everyone Better Off	1	
I	6	Markets Are Usually a Good Way to Organize Economic Activity	1	
	7	Governments Can Sometimes Improve Market Outcomes	1	
	How	the Economy as a Whole Works		
	8	A Country's Standard of Living Depends on its Ability to Produce Goods and Services	1	
	9	Prices Rise When the Government Prints Too Much Money	1	
	10	Society Faces a Short-Run Trade-Off between Inflation and Unemployment	1	
		Thinking like an Economist	10	15
	11	The Economist as Scientist : The Scientific Method: Observation, Theory, and More Observation, The Role of Assumptions, Economic Models, The Circular-Flow Diagram, The Production Possibilities Frontier, Microeconomics and Macroeconomics;	4	
II	12	The Economist as Policy Adviser : Positive versus Normative Analysis, Why Economists' Advice Is Not Always Followed;	3	
	13	Why Economists Disagree: Differences in Scientific Judgments, Differences in Values, Perception versus Reality	3	
		Limits, Alternatives, and Choices	10	15
	14	The Economic Perspective : Scarcity and Choice, Purposeful Behaviour, Marginal Analysis: Comparing Benefits and Costs	3	
III	15	Individual's Economizing Problem	2	
	16	Society's Economizing Problem	2	
	17	Unemployment, Growth, and the Future : A Growing Economy, Present Choices and Future Possibilities, A Qualification: International Trade	3	
IV		The Market System	15	25
	18 Economic Systems: Laissez-Faire Capitalism, The Command System, The Market System		2	
	19	Characteristics of the Market System: Private Property, Freedom of Enterprise and Choice, Self-Interest, Competition, Markets and Prices, Technology and Capital Goods, Specialization, Use of Money, Active but Limited Government	2	
	20	Five Fundamental Questions : What Will Be Produced?	4	

		How Will the Goods and Services Be Produced? Who Will Get the Output? How Will the System Accommodate Change? How Will the System Promote Progress?			
	21	The "Invisible Hand": The Demise of the Command Systems, The Incentive Problem	3		
	22	How the Market System Deals with Risk: The Profit System, Shielding Employees and Suppliers from Business Risk, Benefits of Restricting Business Risk to Owners	4		
		30			
		Discussion based on different economic systems prevailing in the world			
V		Practical Assignments on economic decision making in different economies in the world			
		Seminar on the influence of institutions, regional			

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Mankiw, N. G. (2021). *Principles of Economics*, 9TH EDITION, Cengage Learning. **(Module 1 and Module 2)**
- 2. Stiglitz, J. E., & Walsh, C. E. (2006). Economics. W. W. Norton. (Module 2)
- 3. McConnell, C. R., Brue, S. L., & Flynn, S. M. (2015). *Economics: Principles, Problems, and Policies*. TWENTIETH EDITION, McGraw-Hill Education. (Module 3 and Module 4)

ADDITIONAL READINGS

- 1. Team, C., & Press, O. U. (2017). The economy: Economics for a Changing World. Oxford University Press, USA.
- 2. Klein, G., & Bauman, Y. (2010). The cartoon Introduction to economics: Volume One: Microeconomics. Macmillan.
- 3. Sowell, T. (2015). Basic Economics: A Common Sense Guide to the Economy, FIFTH EDITION, Basic Books, New York.
- 4. Wheelan, C. (2010). Naked Economics: Undressing the Dismal Science (Fully Revised and Updated). W. W. Norton & Company.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	1	1	-	1	3	-
CO 2	1	2	2	-	1	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	,		✓
CO 2	1		✓	✓
CO3	1	/		1
CO 4	1	✓		1
CO 5		✓	1	
CO 6			√	

Programme	B.A. Economics Honou	B.A. Economics Honours						
Course Title	BUDGET ANALYSIS	BUDGET ANALYSIS						
Type of Course	Major							
Semester	II							
Academic Level	100 - 199							
Course Details	Credit	Lecture per	Tutorial	Practical	Total Hours			
		week	per week	per week				
	4	3	-	2	75			
Pre-requisites	Basic Economics Cours	se of 0 – 99 le	vel					
Course Summary	This course explores i	important con	cepts, docum	ents and other	fundamental			
	aspects of budget proce	ss with refere	nce to Central	Budget in Indi	a.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts and documents of budgeting.	U	С	Instructor- created exams / Quiz
CO2	Develop and practice the skill of interpretation of budget.	Ap	Р	Practical Assignment / Observation of Practical Skills
CO3	Understand the roles and responsibilities of various stakeholders in the budget process.	U	Р	Seminar Presentation / Group Discussion
CO4	Appreciate the insights of public finance in the real world	Ap	С	Instructor- created exams / Home Assignments
CO5	Develop critical thinking about policy issues by emphasizing the links between economic analysis and current political issues.	Ap	Р	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e		Introduction to the Budget	10	15
	1	Budget: Definition, Budget in India	1	
	2	Features of Budget: Budget is prepared on Cash Basis,	3	
		Rule of Lapse, Realistic Estimation, Budget to be on		
		Gross/Net Basis, Form of Estimates to correspond to		
		Accounts, Estimates to be on Departmental Basis		
	3	Scope of Budget: Budget Estimates, Revised Estimates,	3	
I		Actuals of the year preceding the current year,		
		Consolidated Fund of India, Contingency Fund of India		
		and the Public Account, Revenue account and Capital		
		account		
	4	Budget documents: Annual Financial Statement (AFS),	3	
		Demands for Grants (DG), Finance Bill, Statements		
		mandated under FRBM Act, Expenditure Budget, Receipt		
		Budget, Expenditure Profile		
		Roles and Responsibilities	10	15
	5	Role of Legislature: Role of Parliament, President's	2	
		Approval, Summary for The President, Summary for The		
		Cabinet		
	6	Budget Presentation and Bills: Budget Presentation,	2	
		General Discussions, Cut-Motions, Guillotine,		
		Appropriation Bill, Finance Bill, Vote on Account		
	7	Role of Executive: Role of The Executive in The Budget	2	
II		Process, Role of Ministry of Finance, Role of Budget		
		Division, Department of Expenditure, Administrative		
		Ministries, Financial Advisers	_	
	8	Role of Constitutional Authorities: Controller General	2	
		of Accounts, Niti Aayog, Finance Commission, Reserve		
		Bank of India, Comptroller and Auditor General of India		
	9	Parliamentary Control: Estimates Committee,	2	
		Department Related Standing Committees, Public		
		Accounts Committee	10	15
	10	Budget Process Budget Circular	10 1	15
	11	Estimates of Receipts: Revenue Receipts, Estimates of	1	
	11	Capital Receipts	1	
	12	Estimates of Expenditure: General Guidelines for	2	
	12	Preparation of Estimates of Expenditure, Information for	_	
		Pre-Budget Discussions, Pre-Budget Discussions &		
III		Finalization of Provisional Estimates		
	13	Provisions for North Eastern Region and Sikkim	1	
	14	Special Instructions for the Composite Demand for	1	
		Civil 'Pensions': Arrangements for submission of		
		estimates, Compassionate Fund, Central Government		
		Employees' Insurance Scheme		
	15	Estimates to be included in Demands for Grants	1	
	1 -5	Controlled by Budget Division	-	

		ı
	1	
•		
8	2	
Government, Tax Revenues raised but not realized,		
Arrears of Non -Tax Revenues, Asset Register		
Budget Finalization	15	25
Budget Activities	1	
Timelines for Budget Activities	2	
Scrutiny of Statement of Budget Estimates (SBE):	5	
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, 35	30	
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1 9 9		
emphasizes efficient resource utilization and fiscal		
emphasizes efficient resource utilization and fiscal discipline		
discipline		
1 -		
	Component Disclosures under FRBM Act: Guarantees given by the Government, Tax Revenues raised but not realized, Arrears of Non -Tax Revenues, Asset Register Budget Finalization Budget Activities Timelines for Budget Activities Scrutiny of Statement of Budget Estimates (SBE): Centre's Expenditure, Centrally Sponsored Schemes and other Transfers, Expenditure Type (voted expenditure, charged expenditure, recovery, receipt) Outcome Budget / Output-Outcome Monitoring Framework (OOMF) Budget in Parliament: Lok Sabha, Rajya Sabha Open Ended Module Analyze the budget allocations for specific sectors (e.g., education, healthcare, infrastructure) over time. Look for trends and changes. Consider how the government's commitment to addressing various issues is reflected in budget allocations Discuss the impact of budget decisions on different groups, regions, and sectors Research the concept of outcome budgeting, which	Component Component Component Component Covernment, Tax Revenues raised but not realized, Arrears of Non -Tax Revenues, Asset Register Covernment C

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Budget Manual 2022, Ministry of Finance, Government of India (All modules)

ADDITIONAL READINGS

- 1. Shim, J. K., & Siegel, J. G. (2008). Budgeting basics and beyond. Wiley.
- 2. Burtt, E. S., Fleming, P. H., Clark, M. B., & Valuation, L. C. O. D. O. F. M. a. R. (1988). *Financial Budget Manual*.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	2	-	-	-	3	1	-
CO 3	-	-	-	-	-	-	-	3	-
CO 4	-	-	-	-	-	-	3	3	-
CO 5	-	2	-	-	2	-	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓ /
CO 2	1		✓	✓ /
CO3	1	~		√
CO 4	1	✓		✓
CO 5		✓	1	

Programme	B.A. Economics Honor	B.A. Economics Honours						
Course Title	ANALYTICAL TOO	ANALYTICAL TOOLS FOR ECONOMICS I						
Type of Course	Major	Major						
Semester	III	III						
Academic Level	200 - 299							
Course Details	Credit	Lecture	Tutorial	Practical	Total Hours			
		per week	per week	per week				
	4	4	-	-	60			
Pre-requisites	Basic Economics Cour	se of 0 – 99 le	evel		•			
Course Summary	Students shall acquire	in-depth knov	vledge and ab	le to explain th	ne concepts of			
	sets, functions, Diff	erentiation,	Integration a	nd their ap	plications in			
	Economics.							

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To Understand the basic concept of set theory and functions	U	С	Instructor- created exams / Quiz
CO2	To Apply differentiation in solving economic problems	Ap	Р	Practical Assignment / Observation of Practical Skills
CO3	To apply integration in solving economic problems	U	Р	Seminar Presentation / Group Discussion
CO4	To analyse relationship between economic variables mathematically, analyze, optimize and interpret them	An	Р	Instructor- created exams / Home Assignments
CO5	To equip the students to identify a problem, investigate to find out relevant facts and find a logical conclusion	Ap	F	Viva Voce/Project

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni t	Content	Hrs	Marks
I		Set theory and Functions	10	15
	1	Set theory: concepts, set operations, relations, functions and their properties	4	
	2	Elementary types of functions — linear, quadratic, cubic, polynomial, exponential and logarithmic	3	
	3	Graphs of functions-linear and quadratic algebraic functions	1	
	4	Applications of functions in Economics	2	
II		Differential Calculus	18	25
	5	Limits and continuity of functions	2	1
	6	Meaning of Derivative, Rules, Derivative of single variable and multi variable (except trigonometric function)	2	
	7	Derivatives of implicit functions and Inverse functions	2	
	8	Rate of change- Slope of a curve	2	7
	9	Partial Differentiation	2	1
	10	Marginal concepts related to Economic functions, Elasticity	2	
	11	Second order Derivatives	2	-
	12	Conditions for Optimisation, Single and Multivariate Optimisation	2	
	13	Application in consumption and production decisions	2	
III		Integral Calculus	10	15
	14	Meaning of integral, The Definite Integral, Rules of Integration, Integration by substitution	3	
	15	Integration by parts	2	
	16	Area under a curve-estimation of producers and consumers surplus.	1	
	17	The First and Second Fundamental Theorems of Calculus	2	
	18	The Mean Value Theorem for integrals.	2	
IV		Linear Models and Matrix	10	15
	19	Matrix: Meaning, Types and operations	2	
	20	Linear Models and Matrix Algebra and their Applications in Economics	3	
	21	Rank of a Matrix- Solving linear equations using Matrix Inverse	2	
	22	Determinants, Properties of Determinants and Cramer's Rule and their applications	3	
V		Open Ended Module	12	
	1	Develop critical thinking and problem-solving skills		

	by applying statistical methods in Economic theories	
2	Discussion based on statistical tools	
3	Practical Assignments	
4	Seminar	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Chiang, A and Wainwright, K. (2005). Fundamental methods of mathematical economics. Boston, Mass. McGraw- Hill/Irwin. EC (1262)-18.08.202219(**Module 1,2,3,4&5**)
- 2. Hoy, M., Livernois, J., McKenna, C., Rees, R., Stengos, T. (2001). Mathematics for Economics, Prentice-Hall India. (**Module 1,2,3,4&5**)
- 3. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002. (**Module 1,2,3,4&5**)
- 4. Introduction to Mathematical Economics, Third edition, Edward T Dowling, Schaum's outline series, McGraw Hill (Module 1,2,3,4&5)

ADDITIONAL READINGS

- 1. A.Chiang & K.Wainwright: Fundamental Methods of Mathematical Economics, McGraw Hill.
- 2. E. Silberberg & Suen: The Structure of Economics, McGraw Hill
- 3. Simon & Blume, Mathematics for Economists, Viva Books.
- 4. Rudin W.: Principles of Mathematical Analysis, McGraw-Hill
- 5. D. Varberg, E. J. Purcell, S. E. Rigdon. Calulus, Eighth Edition, Prentice Hall.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	1	1	1	-	1	-	-
CO 2	-	-	-	1	-	-	2	-	3
CO 3	-	-	-	1	-	-	2	-	3
CO 4	-	-	-	1	-	-	2	-	3
CO 5	-	2	-	-	-	-	2	-	3

CORRELATION LEVELS:

Level	Correlation			
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
 Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		✓
CO 2	1		✓	✓
CO 3	1	/		✓
CO 4	1	✓		/
CO 5		1	1	

Programme	B.A. Economics Honor	B.A. Economics Honours							
Course Title	EVOLUTION OF EC	EVOLUTION OF ECONOMIC THEORIES							
Type of Course	Major								
Semester	III								
Academic Level	200 - 299	200 - 299							
Course Details	Credit	Lecture	Tutorial	Practical	Total Hours				
		per week	per week	per week					
	4	4	-	-	60				
Pre-requisites	Basic Economics Cour	ses of 100 – 1	.99 level						
Course Summary	This course aims to ex	This course aims to explore the key ideas of lasting value in the history of							
	economic theory.								

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Acquire knowledge of basic economic principles behind various economic issues	U	С	Instructor-created exams / Quiz
CO2	Understand the origins of key economic concepts and models	U	С	Seminar Presentation / Group Discussion
CO3	Trace the evolution of major ideas through time	An	P	Seminar Presentation / Group Discussion
CO4	Discuss the influence and value of different writers and their contributions	Ap	P	Instructor-created exams / Home Assignments
CO5	Place theories and ideas studied within the context of the time	Ap	P	Practical Assignment / Observation of Practical Skills

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Modul	Unit	Content	Hrs	Marks				
e								
Ι		People and Markets (Microeconomics) – Market						
		mechanism, Competition, Price and Utility						
	The I	The Invisible Hand of the Market						
	1	1 From Mercantilism to Market Economy						
	2	2 Monopolies and the Cournot Point						
	Comp							
	3	1						
	4	Competition Policy: Harvard versus Chicago	1					
	5	1						

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

		Barriers			
	Price	s, Costs and Profits			
	6	Alfred Marshall's Scissor Theorem	1		
	7	The Laws of Large-Scale Production and Their Limits	1		
	8 Turgot's Law of Returns and Marshall's Producers' Surplus				
	9	Trade Margins and Speculation	1		
	10	Fair Prices and Government Intervention into Markets	1		
		Utility and Real Value of Commodities:			
	11	The Classical Paradox of Value and Gossen's Laws,	1		
	12	Pareto Optimality and Distribution of Income,	1		
	13	Consumer Sovereignty and Merit Goods	1		
II	_	ople and Markets (Microeconomics) –Market Failure,	10	15	
		Wage and Capital	_,		
	14	Causes of Market Failure: Should the State Act as			
		Night Watchman? Natural Collective Goods, The Non-			
		Applicability of the Exclusion Principle, Externalities			
		and Environmental Problems, Are Environmental Taxes	4		
		and Charges Unjust? Voluntary Negotiations: The Coase			
		Theorem, The Environment and Politics			
	15	Fair Wages and the Right to Work: Thunen's Equation			
		for a Natural Wage, Karl Marx's Labour Theory of			
		Value, Problems of Socialism, The Pareto Curve,	3		
		Minimum Wages and Maximum Income Limits?			
		Productivity and Wage Rates			
	16	The Mystery of Capital and Interest: Interest Rates			
		and Bans on Interest, Who do Capital Gains Belong to?	3		
		Bohm-Bawerk's Third Reason, Paradoxes of Capital			
		Theory, Natural Interest Rates and Monetary Policy			
III	Cri	ises of Market Economies (Macroeconomics) – Money	13	19	
		and Business Cycle			
	17	How Does Money Enter the Economy? From Shell	3		
		Money to the Peel Banking Act, Money Supply and Price			
	10	Levels			
	18	Business Cycles and Shortages in Demand: Francois	5		
		Quesnay's Tableau Economique, The Say Theorem,			
		Marx's Theory of Crises and the Theory of the			
	19	Purchasing Power of Wages, The Keynesian Revolution Why Do Business Cycles Fluctuate? Knife-Edge	5		
	19	Growth, Aftalion's Use of Fire as an Example: The	Э		
		Accelerator Principle, Business Cycle Policy: Is it			
		Possible to Master the Chaos? Business Cycle Theory at			
		a Political Level, The Influence of Politicians on the			
		Business Cycle			
IV	Cris	es of Market Economies (Macroeconomics) – Inflation,	12	17	
- •		Unemployment and Growth	1-	1,	
	1		4		
	20	Inflation and Unemployment: The Quantity Theory	4		
	20	Inflation and Unemployment: The Quantity Theory, The Controversy about the Philips Curve, The Bullionist	4		
	20	The Controversy about the Philips Curve, The Bullionist Controversy	4		

		Capital and Underdevelopment, The Golden Rule of Accumulation, The Connection Between Interest Rates and Growth Rates						
	22	22 Limits of Economic Growth: The Oil Price Shocks of						
		the 1970s, Are the World's Raw Materials Running Out?						
		The "Robber-Booty" Problem and the Hotelling Rule, Is						
		there any Justice for Future Generations?						
V		12						
		Open Ended Module Discussion based on reports about economic problems						
		such as high unemployment or rising government debt.						
		Practical Assignments to trace the evolution of major						
		ideas through time						
		Seminar on the influence and value of different writers						
		and their contributions to the development of modern						
		economic thought						

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

Van Suntum, U. (2005). The Invisible Hand: Economic Thought Yesterday and Today.
 Springer Science & Business Media. (All modules)

ADDITIONAL READINGS

- 1. Haney, L. H. 1. (2018). History of Economic Thought; A critical account of the origin and development of the economic theories of the leading thinkers in the leading nations. Franklin Classics.
- 2. Blaug, M. (1997). *Economic theory in retrospect*. Cambridge University Press.
- 3. Wolff, R. D., & Resnick, S. A. (2012). Contending economic theories: Neoclassical, Keynesian, and Marxian. MIT Press.
- 4. Buchholz, T. G. (2007). *New Ideas from Dead Economists: An Introduction to Modern Economic Thought*. Penguin.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	1	-	2	1	1	2	-
CO 2	3	-	-	-	-	-	-	-	-
CO3	-	-	1	-	-	-	3	-	-
CO 4	-	-	-	2	-	-	3	-	-
CO 5	-	-	2	2	-	-	-	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		✓
CO 2	1			✓
CO 3	1	/		✓
CO 4	1	✓		✓
CO 5		✓		

Programme	B.A. Economics Honours						
Course Title	INTERMEDIATE MICROECONOMICS						
Type of Course	Major						
Semester	IV	IV					
Academic Level	20 0 – 299						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
30a100 2 ctails	per week	per week	per week	Hours			
	4	4	-	-	60		
Pre-requisites	Basic Economics of	100 – 199 le	evel				
Course Summary	This course focuses on the behaviour of consumers under certain conditions, optimisation in production, different conditions prevailing in competitive markets and the choices of a competitive firm.						

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To understand the core concepts and methods of microeconomics	U	С	Instructor- created exams / Practical Assignment
CO 2	Understand the basic elements of consumption and production theories.	U	F	Writing assignments / Quiz
CO 3	To analyze the consumer choice under different conditions of preferences.	An	Р	Observation of Practical Skills / Group Discussion
CO 4	Apply the economic perspective and reason accurately in relation to different competitive market conditions.	Ap	Р	Observation of Practical Skills / Home Assignments
CO 5	To solve and interpret stylized problems based on microeconomic models.	An	Р	Group Discussion / Instructor- created exams
CO 6	Use microeconomic models to evaluate real-world microeconomic phenomena and issues.	E	М	Practical Assignment Viva Voce

- * Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)
- # Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul e	Unit	Content	Hrs	Marks
I		Choice Under Certainty	10	15
	1	Optimal Choice determination: Budget Line – Marginal Rate of Substitution;	2	
	2	Consumer's Equilibrium using indifference curves -	2	
	3	Interior Optimum - Boundary Optimum.	2	-
	4	Optimisation: Perfect Substitutes and Perfect Complements.	2	
	5	Estimating Utility Functions and implication of the MRS condition.	2	
II		Comparative Statics in Consumer Theory	14	20
	6	Offer Curves: Income Offer Curves- Engel Curves - Normal, Inferior and Giffen Goods -	3	
	7	Perfect Substitutes and Perfect Complements – Homothetic and Quasilinear preferences - Price Offer Curves:	2	
	8	Perfect Substitutes and Perfect Complements – Discrete Goods – Inverse Demand Function	1	_
	9	Revealed Preference Approach: WARP and SARP;	2	
	10	The total change in demand: The substitution effect and income effect with suitable examples.	2	
	11	Rates of changes	1	_
	12	Elasticity-Price elasticity of demand-The elasticity of linear demand curve-Income elasticity of demand; cross elasticity of demand;	2	
	13	Consumer Surplus.	1	-
III		Optimisation In Production	12	17
	14	Short run and long run production function- Cost curves-	5	-

		Profit Maximisation in the Short Run and Long Run.		
	15	Cost Minimisation - Returns to Scale and the Cost Function	5	
	16	Cobb Douglas Production Function	2	
IV		The Analysis of Competitive Markets	12	18
	17	Short run and long run Equilibrium in perfectly competitive firm and industry	3	
	18	Monopoly – linear demand curve – Mark up pricing – Inefficiency of monopoly-Dead Weight Loss-	2	
	19	Price Discrimination-bundling-Two-part tariffs	2	
	20	Monopolistic Competition-Product differentiation- selling cost	2	
	21	Oligopoly-collusive versus non collusive oligopoly-	2	
	22	Kinked demand curve model.	1	
V		Open ended module	12	
		Discussion based on different market structures in the world		
		Seminars to analyse changing equilibrium conditions under different market structures.		
		Practical Assignments to compare and relate market of different products with different market structures.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. H.R Varian (2009), Intermediate Microeconomics- A Modern Approach. W W Norton & Co
- **2.** Pindyck, R. and Rubinfeld, D. Microeconomics (2017, Ninth Edition). ISBN: 978-1-292-21-331-6.

ADDITIONAL READINGS

- 1. Dominick Salvatore (2013): Microeconomics: Theory and Applications- 5thEdition, Oxford
- 2. A Koutsoyiannis (1979): Modern Microeconomics- 2ndEdition, Macmillan
- 3. Gregory Mankiw (2006) Principles of Microeconomics, (Paperback) South Western
- 4. Robert Y Awh (1976): Microeconomics: Theory and Applications- John Wiley & Sons.
- 5. Watson and Getz (2004): Price Theory and its Uses- 5thEdition, AITBS Publishers and Distributors.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-	1	1
CO 2	3	1	-	1	-	-	1	1	1
CO 3	3	2	-	1	-	-	1	2	1
CO 4	-	3	2	1	1	-	1	2	2
CO 5	2	1	-	1	-	-	2	2	3
CO 6	-	2	2	2	2	-	3	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- **■** Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	,		✓
CO 2	1	/		1
CO3	1	,	√	/
CO 4	√	√		1
CO 5		✓	1	
CO 6			1	

Programme	B.A. Economics Honours					
Course Title	INTERMEDIATE MACROECONOMICS					
Type of Course	Major					
Semester	IV					
Academic	200 - 299					
Level						
Course Details	Credi	Lecture	Tutorial	Practical	Total	
	t	per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Basic Economics Course of 100 – 199 level					
Course	This course explores important concepts, basic theories and models and					
Summary	other fundamental m	acro aspects o	of economics.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation
		Level*	Category#	Tools used
CO1	Understand the important concepts of	U	С	Instructor-
	economics and its real-world			created exams /
	applications.			Quiz
CO2	Develop and practice the skill of	Ap	P	Practical
	thinking like an economist.			Assignment /
				Observation of
				Practical Skills
CO3	Help the student master the	U	P	Seminar
	macroeconomic aspects essential for			Presentation /
	understanding the economic climate,			Group
	specific economic issues, and policy			Discussion
	alternatives.			
CO4	Understand and apply the	Ap	С	Instructor-
	macroeconomic perspective and reason			created exams /
	accurately and objectively about			Home
	economic matters.			Assignments
CO5	To make the students curious	U	F	Writing
	about the functioning of the			assignments
	economy and the power and breadth of			
	economics			
CO6	Demonstrate critical thinking and	Ap	P	Viva Voce
	problem-solving skills by applying the			
	acquired knowledge to address complex			
	economic challenges in the			
	contemporary world.			
* D	1 (D) II 1 . 1(II) A 1 (A)	A 1 (A	\ D 1 (D)	c (c)

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module		Content	Hrs	Marks		
I		Classical Macroeconomics	12	17		
	1	The Classical Revolution, Production, Employment: Labor Demand, Labor Supply,	2			
	2	Equilibrium Output and Employment: The Determinants of Output and Employment, Factors That Do Not Affect Output,	2			
	3	The Quantity Theory of Money: The Equation of Exchange, The Cambridge Approach to the Quantity Theory,	2			
	4	Curve, The Classical Theory of the Interest Rate,				
	5	Policy Implications of the Classical Equilibrium Model: Fiscal Policy, Monetary Policy	3			
II		The Keynesian System	12	17		
	6	The Problem of Unemployment, The Simple Keynesian Model: Conditions for Equilibrium Output,	2			
	7 The Components of Aggregate Demand: Consumption, Investment, Government Spending and Taxes,					
	8 Determining Equilibrium Income, Changes in Equilibrium Income,					
	9	Fiscal Stabilization Policy,	1			
	10	Exports and Imports in the Simple Keynesian Model Money in the Keynesian System: Interest Rates and Aggregate Demand,	2			
	11	The Keynesian Theory of the Interest Rate,	2			
	12	The Keynesian Theory of Money Demand, The Effects of an Increase in the Money Supply	2			
III		The orthodox Keynesian school	12	17		
	13	The IS–LM model for a closed economy: Money Market Equilibrium: The LM Schedule, Product Market Equilibrium:	2			
	14	The IS Schedule, The IS and LM Schedules Combined, Underemployment equilibrium in the Keynesian model,	2			
	15	Factors That Affect Equilibrium Income and the Interest Rate:	1			
	16	Monetary Influences: Shifts in the LM Schedule, Real Influences: Shifts in the IS Schedule,	1			
	17	The Relative Effectiveness of Monetary and Fiscal Policy: Policy Effectiveness and the Slope of the IS Schedule, Policy Effectiveness and the Slope of the LM Schedule,	2			
	18	The IS–LM model for an open economy,	2			

	19	The Phillips curve and orthodox Keynesian economics,	2	
		The central propositions of orthodox Keynesian economics		
IV	Aggregate Supply and Demand			
	20	The Keynesian Aggregate Demand Schedule, The Keynesian Aggregate Demand Schedule Combined with the Classical Theory of Aggregate Supply,	3	
	21	A Contractual View of the Labor Market: Sources of Wage Rigidity, A Flexible Price–Fixed Money Wage Model, Labor Supply and Variability in the Money Wage: Classical and Keynesian Theories of Labor Supply,	3	
	22	The Keynesian Aggregate Supply Schedule with a Variable Money Wage, Policy Effects in the Variable-Wage Keynesian Model,	3	
	23	The Effects of Shifts in the Aggregate Supply Schedule: Factors That Shift the Aggregate Supply Schedule	4	
V	Open ended module		12	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Froyen, R. T., (2013). Study guide macroeconomics theories and policies, tenth edition, Pearson Education India
- 2. Brian Snowdon and Howard R. Vane (2005), Modern Macroeconomics: Its Origins, Development and Current State, Edward Elgar

ADDITIONAL READINGS

- 1. Goodwin, N., Harris, J. M., Nelson, J. A., Roach, B., & Torras, M. (2015b). Macroeconomics in context. Routledge.
- 2. Sikdar, S. (2020). Principles of macroeconomics. Oxford University Press.
- 3. Mankiw, N. G., Kneebone, R. D., & McKenzie, K. J. (2023). Principles of Macroeconomics, 9th Edition. Cengage Canada.
- 4. DeLorme, C. D., & Ekelund, R. B. (1983). Macroeconomics. Plano, Tex.: Business Publications.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO 7	PSO 8	PSO 9
CO 1	3	-	-	1	-	-	-	-	-
CO 2	1	1	1	1	-	-	2	1	-
CO 3	3	2	-	2	-	-	2	1	-
CO 4	3	2	-	2	-	-	3	2	-
CO 5	2	1	-	-	-	-	-	1	-
CO 6	1	-	2	1	3	-	2	1	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

MAPPING OF COS TO ASSESSMENT RUBRICS:

		Quiz / Assignment/ Viva Voce/		End Semester
	Internal Exam	Discussion / Seminar	Assignment	Examination
CO 1	✓	1		✓
CO 2	✓		✓	1
CO3	✓	√		✓
CO 4	✓	√		✓
CO 5		/	1	
CO 6			1	

Programme	B.A. Economics Hon	ours					
Course Title	ANALYTICAL TOOLS FOR ECONOMICS II						
Type of Course	Major						
Semester	IV						
Academic Level	200-299	200-299					
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Basic Economics Course of 0 – 99 level						
Course	This course introduces students about statistical methods for economic						
Summary	analysis. Students shall acquire in-depth knowledge in the concepts of						
	probability, probability distributions, theory of estimation, hypothesis						
	testing and their applications in economic analysis.						

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Basic understanding of computation of probability.	U	C	Instructor- created exams / Quiz
CO 2	Identify various probability distributions and its applications	Ар	Р	Practical Assignment / Observation of Practical Skills
CO 3	Understand estimation of mean, variance and population of parameters of sampling distributions	U	Р	Seminar Presentation / Group Discussion
CO 4	Understand and Apply hypothesis testing for economics theories	Ap	С	Instructor- created exams / Home Assignments
CO 5	Develop critical thinking and problem-solving skills by applying statistical methods in Economic theories and acquired knowledge to address complex economic challenges in the contemporary world.	Ap	F	Viva Voce/Project

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Uni	Content	Hr	Marks		
e	t		S			
I		Elementary Probability Theory				
	1	Concepts- Set theory- Permutations and Combinations, Definitions of Probability - classical, empirical and axiomatic approaches-Addition and multiplication laws	3			
	2	Conditional probability- Bay's theorem	2			
	3	Random variables- probability distribution- Mathematical expectation- moments	3			
	4	Two random variables: joint, Marginal and conditional probability functions	3			
	5	Computing expected values- Covariance and correlation coefficients	3			
		Probability Distributions	11	16		
II	6	Discrete Probability Distributions, Binomial , Poisson, Uniform - simple applications	4			
	7	Continuous probability distributions- Normal, Lognormal and Exponential Distributions (Derivations are not expected)	4			
	8	Concept of law of large numbers and Central limit theorem	1			
	9	Distribution function- Distribution function of one random variable	2			
III		Theory of Estimation	12	17		
	10	Statistical Inference, Concept of population, sample- Sampling distributions- Standard error	3			
	11	Distributions of sample mean, Sample variance - chi square Student's t, and F distributions	3			
	12	Small and large sample properties of Z, t, Chi Square and F	2			
	13	Estimation of population parameters using method of OLS	1			
	14	Estimation of population parameters using method of maximum likelihood procedures	1			
	15	Point and interval estimation- Confidence intervals for population parameters	1			
	16	Properties of estimators	1			
IV		Testing of Hypothesis				
	17	Simple and composite hypothesis- Null and alternative hypothesis	1			
	18	Type I and Type II error, Critical region- Level of significance, Power of a test	1			
	19	Test procedure - Test of significance in respect of Mean, Proportion, Variance and Correlation coefficient and their differences	2			
	20	Chi Square test of goodness of fit, and test for independence of attributes	2			

	21	Non parametric tests - Sign test, Wilcoxon- Mann Whitney U Test,	3	
		Signed rank test		
	22	Kruskal Wallis test, Wald-Wolfowitz test	2	
V		Open Ended Module	12	
	1	Develop critical thinking and problem-solving skills by applying		
		statistical methods in Economic theories		
	2	Discussion based on statistical tools		
	3	Practical Assignments		
	4	Seminar		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Paul G. Hoel, Sidney C. Port, Charles J. Stone: Introduction to Probability Theory, Universal Book Store, Delhi (Module 1)
- 2. John E. Freund's Mathematical Statistics with Applications, Pearson, 2014 (Module2)
- 3. G Casella and R L Berger, Statistical Inference, Duxbury Advanced Series, Cengage Learning, 200 and William G. Cochran, Sampling Techniques, John Wiley, 2007 (Module 3)
- 4. Mood, A.M., F.A.Greybill and D.C. Boes: Introduction to the theory of statistics, McGraw Hill (Module 4)
- 5. Goon, Gupta and Dasgupta, Fundamentals of Statistics, Volume 1, 2, World Press (Module 4)

ADDITIONAL READINGS

- 1. Taro Yamane, Statistics: An Introductory Analysis, Harper & Edition 3,1973
- 2. Hoel PG: Introduction to Mathematical Statistics, John Wiley & Sons, Edition 4,1971
- 3. YP Agarwal: Statistical Methods: Concepts, Application and Computation, Sterling Publishers1986
- 4. Sidney Siegal, N. John Castellan: Non parametric Statistics for Behaviour Sciences, Edition 2, 1988. McGraw-Hill
- 5. Tulsian, P.C and Vishal Pandey: Quantitative Techniques, Pearson Education, NewDelhi
- 6. S.P. Gupta: Statistical Methods, Sulthan Chand and Sons, NewDelhi.
- 7. Hooda R.P: Statistics for Business and Economics, Mac Million, NewDelhi
- 8. Alpha C Chiang: Fundamental Methods of Mathematical Economics, 2 nd Ed. -International Student Edition, McGrawhill
- 9. Edward T Dowling: Introduction to Mathematical Economics, Third Edition, Shaum's Outlines, Tata McGrawhill Publishing Co. Ltd, New Delhi.
- 10. SreenathBaruah: Basic Mathematics and its applications in Economics, Macmillan India Ltd.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	1	-	-	3	1	
CO 3	1	-	-	1	-	-	-	-	3
CO 4	-	-	1	2	-	-	2	-	3
CO 5	-	-	-	-	-	-	2		3

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

Programme	B.A. Economics Honours							
Course Title	ADVANCED MI	ADVANCED MICROECONOMICS						
Type of Course	Major							
Semester	V							
Academic Level	300-399	300-399						
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basic Economics	Course of 0 -	- 99 level					
Course Summary	This course focus	ses on marke	et on factor	inputs, variou	s aspects of			
	general equilibrium and economic efficiency, the behaviour of							
	consumers under uncertain conditions and basic concepts of							
	behavioural econo	omics.						

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		/
CO 2	1		1	/
CO 3	1	✓		✓
CO 4	1	✓		✓
CO 5		/	/	

Course Outcomes (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation
		Level*	Category#	Tools used

CO1	To understand the fundamental methods and theories of microeconomics	U	С	Instructor- created exams / Practical Assignment
CO2	Understand the functioning of factor markets.	U	С	Writing assignments / Quiz
CO3	To analyze the concept of general equilibrium and welfare analysis.	An	Р	Observation of Practical Skills / Group Discussion
CO4	Apply microeconomic concepts to analyse real-life economic situations.	Ap	Р	Observation of Practical Skills / Home Assignments
CO5	To evaluate consumer behaviour under uncertain conditions	E	Р	Group Discussion / Instructor- created exams
CO6	Develop microeconomic models to evaluate real-world microeconomic phenomena and issues.	С	М	Practical Assignment Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Module	Unit	Content		Marks
I		MARKET FOR FACTOR INPUTS	13	18
	1	Competitive Factor Markets - Demand for a Factor input with a single variable input	3	
	2	Demand for a Factor input with a several variable inputs	3	
	3	Supply of inputs - Equilibrium	3	
	4	Factor markets with Monopoly Power	2	
	5	Factor markets with Monopsony Power	2	
II		GENERAL EQUILIBRIUM AND ECONOMIC	15	20
		EFFICIENCY		
	6	Efficiency in Exchange - The Advantages of trade	2	

[#] - Factual Knowledge (F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	7	Edgeworth Box Diagram - Efficient Allocations	2	
	8	Contract Curve - Economic Efficiency of Competitive	2	
		Markets		
	9	Equity and Efficiency - The Utility Possibilities	2	
		Frontier		
	10	Social Welfare Functions	2	
	11	Equity and Perfect Competition	1	
	12	Efficiency in Production - Input efficiency - Production	3	
		Possibility Frontier - Marginal Rate of Transformation		
	13	Efficiency in Output Markets	1	
III	U	NCERTAINTY AND CONSUMER BEHAVIOUR	10	16
	14	Describing Risk- Probability- Expected Value –	1	
		Variability -		
	15	Preferences towards Risk – Risk Averse- Risk Neutral –	2	
		Risk Loving		
	16	Reducing Risk – Diversification – Law of Large	2	
		Numbers – Actuarial Fairness		
	17	The Value of Information	2	
	18	Demand for Risky Assets – Trade-off between risk and	3	
		return – Investor's Choice Problem		
IV		BEHAVIOURAL ECONOMICS	10	16
	19	Reference Points and Consumer's preferences	3	
	20	Endowment Effect – Loss Aversion – Framing-	3	
		Fairness		
	21	Rules of Thumb and Biases in Decision making –	2	
	22	Anchoring – Rules of Thumb – Law of Small Numbers	2	
V		Open Ended Module	12	
	Disc	ussion based on different market securities and its		
	valua	ation.		
	Pract	tical Assignments about firms' decision making in		
	calcu	llating the worthiness of a capital investment.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Pindyck, R. and Rubinfeld, D. Microeconomics (2017, Ninth Edition). ISBN: 978-1-292-21-331-6.
- 2. H.R Varian (2009), Intermediate Microeconomics- A Modern Approach. W W Norton & Co

ADDITIONAL READINGS

- 1. Dominick Salvatore (2013): Microeconomics: Theory and Applications- 5thEdition, Oxford
- 2. A Koutsoyiannis (1979): Modern Microeconomics- 2ndEdition, Macmillan
- 3. Gregory Mankiw (2006) Principles of Microeconomics, (Paperback) South Western
- 4. Robert Y Awh (1976): Microeconomics: Theory and Applications- John Wiley & Sons.
- 5. Watson and Getz (2004): Price Theory and its Uses- 5thEdition, AITBS Publishers and Distributors.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	1	-	1	-	-	1	1	-
CO 3	3	2	-	1	-	-	1	1	-
CO 4	-	3	2	1	1	-	1	2	2
CO 5	2	1	-	1	-	-	2	2	2
CO 6	-	2	2	2	2	-	3	2	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		✓
CO 2	1	/		✓
CO 3	1	/	✓	✓
CO 4	1	1		✓
CO 5		1	1	
CO 6			✓	

Programme	B.A. Economics Hon	ours				
Course Title	INTERNATIONAL TRADE THEORIES					
Type of Course	Major					
Semester	V					
Academic Level	300 - 399					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	ı	-	60	
Pre-requisites	Basic Microeconomic	cs and Macro	economics c	ourses of 200	– 299 level	
Course Summary	This course explores the traditional, modern and new theories of					
	international trade between nations and the relevance of international					
	trade in an economy's	s developmer	nt.			

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the various concepts in international Trade	U	С	Instructor-created exams / Quiz
CO2	Analyze the traditional modern and new trade Theories	An	Р	Practical Assignment
CO3	Evaluate the process of international transactions between nations	Ap	F	Seminar Presentation / Group Discussion
CO4	Apply the theoretical knowledge to current international trade and financial flows	Ap	С	Instructor-created exams / Home Assignments
CO5	Create complete understanding of the theoretical background of international trade and financial flows.	Ŭ	F	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks	
I		Introduction to International Trade	12	17	
	1	Scope and Importance of international trade	2		
	2	Concepts in International Trade(Terms of trade, Gains from	2		
		Trade, Production Possibility Frontier ,Trade indifference curve)			
	3			_	
	4	Balance of payment	2		
	5	Foreign exchange.	2	-	
	6	Purpose of International Economic Theories	2	-	
II		Traditional Theories of International Trade	11	17	
	7	Mercantilists views on trade	2		
	8	Absolute cost advantage	2		
	9	Comparative advantage theory	3		
	10	Opportunity cost theory	2		
	11	Reciprocal demand theory.	2		
III		Modern Theories of International Trade			
	12	Offer curve	2		
	13	Heckscher Ohlin Theorem	3		
	14	Leontief Paradox	2		
	15	Factor Price equalization Theorem	2		
	16	Factor intensity reversals-Stolper –Samuelson Theorem	2		
	17	Rybczynski Theorem	2		
IV		New Theories of International Trade	12	17	
	18	Technological gap model	2		
	19	Product cycle model	2		
	20	Kravis Theory of Availability	2		
	21	Intra industry Trade model of Paul Krugman	3		
	22	Neo Heckscher Ohlin Theory	3		
\mathbf{V}		Open ended module Discussion - compare and contrast traditional and modern	12		
		theories of International trade			
		Practical Assignments -Study about the relevance of			
		international trade theories in explaining current			
		International transactions between countries .			
		Seminar- presentation about the evaluation of new trade			
		theories in the context of international trade of developing nations like India.			

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Dominick Salvatore, *International Economics Trade and Finance* Eleventh Edition Wiley 2014 (Module I, II and III)
- 2. Krugman P. R .and Obstfeld M(2000)International Economics :Theory and Policy, Dorling Kindersley (India) Pvt.Ltd(Module IV)

ADDITIONAL READINGS

- 1. Sodersten, Bo and Geoffrey Reed *International Economics*. Mcmillan Education Ltd 1998.
- 2. Bhagwati, J.N.(1998) *International Trade: Selected Readings*. McMillan University Press.
- 3. K.C Rana and K.N Verma(2014) International Economics, Vishal publishing Co
- 4. Barbara Ingham (2015) International Economics, Prentice Hall, England
- 5. Carbaugh. R. J. (2014), International Economics ,12 th Edition, South Western, USA
- 6. Handbook of International Economics (3 volumes), Elsevier, Netherlands.
- 7. Charles Van Marrewijk(2007).International Economics,Theory, Application and Policy, Oxford University Press.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PS08	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	ı	1	2	-	-	2	-	2
CO 3	-	-	-	2	2	-	2	-	-
CO 4	-	-	-	3	3	-	3	2	2
CO 5	-	-	-	-	-	-	3	-	2

CORRELATION LEVELS:

Level	Correlation			
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓ /
CO 2	1		✓	✓
CO3	1	✓		✓
CO 4	1	✓	/	✓
CO 5		✓	✓	

Programme	B.A. Economics Honours						
Course Title	GROWTH THEOR	GROWTH THEORIES IN ECONOMICS					
Type of Course	Major						
Semester	V						
Academic Level	300 - 399						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-		60		
Pre-requisites	Microeconomics and	Macroecono	mics course	of 200 – 299 l	evel		
Course Summary	This course delves	s into grov	wth theory,	focusing c	n coherent		
	mathematical formalizations of economic growth. It explores various						
	theories, from classical economists (such as Ricardo, Malthus, and						
	Marx) to contemporary ideas about increasing returns, externalities, and						
	the weightless econor	ny.					

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the process of economic growth	U	C	Instructor-created exams / Quiz
CO 2	Analyze the theoretical aspects of growth	An	P	Practical Assignment
CO 3	Evaluate various growth models	Ap	F	Seminar Presentation / Group Discussion
CO 4	Apply the theoretical knowledge into understanding the growth process	Ap	С	Instructor-created exams / Home Assignments
CO 5	Create complete understanding of the growth process	U	F	Viva
CO 6				

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		The concept of economic growth	10	15
	1	Distinction between growth and development	3	
	2	Determinants of inclusive and sustainable growth	2	
	3	Measurements of economic growth	2	
	4	Characteristics and features of developing nations	3	
II		erstanding growth models	12	18
	5	Adam Smith,	2	10
	6	David Ricardo	2	
	7	Karl Marx	2	
	8	Joseph Schumpeter	3	
	9	Harrod- Domer model	3	
III	Adva	anced discussion on growth models	12	18
	10	Robert Solow	3	
	11	Joan Robinson	2	
	12	Endogenous growth model – Paul Romer	2	
	13	Fei – Ranis model of economic growth	3	
	14	Unified growth theory	1	
	15	Justin Lin - New structural Economics	1	
IV	Pers	pectives on economic growth	14	19
	16	Balanced growth approach	2	
	17	Unbalanced growth approach	2	
	18	Convergence Theory	2	
	19	Human capital and economic growth-Schultz Model	3	
	20	Technical change and economic growth	2	
	21	Production function and economic growth	2	
	22	Structural changes and economic growth	1	
V		Open ended module	12	
		Discussion Growth experience of economies		
		Practical Assignments Study about the relevance of theories in		
		explaining the growth experience of third world countries		
		Seminar present the student's understanding of growth using a		
		particular economy's experience.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Thirlwall A.P, Economics of Development, Macmillan; 9th edition (1 December 2011)

ADDITIONAL READINGS

- 1. Debraj Ray, Development Economics, Oxford University Press, 2009
- 2. Misra & Puri, Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2016.
- 3. Todaro and Smith, Economic Development, Pearson Education India; 10th edition 2011

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	-
CO 3		2	-	3	-	-	-
CO 4	-	3	1	3	-	2	2
CO 5	3	-	-	-	3	2	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	1			✓
CO3	1	✓		✓
CO 4	✓	✓	/	✓ /
CO 5	1	✓	1	

Programme	B.A. Economics Honours					
Course Title	DEVELOPMENT I	SSUES IN I	NDIAN ECO	ONOMY		
Type of Course	Major					
Semester	VI					
Academic Level	300 - 399	300 - 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	ı	ı	60	
Pre-requisites	Microeconomics and	Macroecono	mics course	of 200 – 299 l	evel	
Course Summary	This course explores important issues related to Development such as					
	Poverty, Unemployment, Inequality and Inflation. The measurements of					
	Development Issues a	are also incor	porated the t	opics.		

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Help in understanding the major development issues faced by Indian Economy and its historical precedents.	U	C	Instructor- created exams / Group Discussion.
CO 2	Help in analysing the impact of public policy framed to deal with development issues—such as Poverty, inequality in income distribution, unemployment and fiscal deficit. .	An	F	Instructor- created exams/ Seminars/ Projects
CO 3	Help in evaluating the conceptual framework methodology, trends and policy measures adopted regarding the development issues	E	С	Seminar Presentation / Group Discussion
CO 4	After studying the development issues of Indian Economy, students will be exposed to economic reforms in India and problems of Indian economy	Ар	Р	Instructor- created exams / Home Assignments
CO 5	Students will learn how to think critically about public policy issues and made capable of measuring poverty and unemployment in a small region	E	M	Writing assignments/ Group Discussions

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul	Unit	Content	Hrs	Marks
е	111	stavisal Dyagodonta of Development Jerres of Jerse	•	0
I	Hi	storical Precedents of Development Issues of Indian Economy	6	9
	1	History of development Issues of Indian Economy	2	\dashv
	2	Basic indicators of Development: Real income, Health	1	\dashv
	_	and Education	-	
	3	Basic issues in economic development	1	
	4	Institutional framework and policy regimes	2	
II		Poverty	14	20
	5	Concepts of poverty- Absolute Measurement of Poverty, Relative measurement of Poverty, Multi - Dimensional Poverty	3	
	6	Poverty Estimation-Poverty Line Calculation- Consumption verses Income levels- Data collection Methods -URP, MRP	4	
	7	Multi-dimensional poverty index.	1	
	8	Post-Independence Poverty Estimation- Tendulkar Committee (2009) -Rangarajan Committee.	2	
	9	Trends of Poverty	2	
	10	Poverty Alleviation Programmes	1	
	11	Economic Characteristics of High- Poverty Groups	1	
III		Inequality	13	19
	12	Income Inequalities in India -Causes of Income Inequalities in India	2	
	13	Measurements of Inequality-Lorenz Curve- Gini coefficient	2	
	14	The Ahluwalia- Chenery Welfare Index	2	
	15	Trends of Inequality in India.	3	
	16	Government Policy to tackle the problem of inequality	2	
	17	Policy Options on Income Inequality and Poverty	2	
IV		Unemployment:	15	22
	18	Types and Structure of unemployment	3	
	19	Conceptual framework of key employment and unemployment indicators:	4	
	20	Nature and Estimates of Unemployment in India	3	
	21	Government Policy for Removing Unemployment	3	
	22	Major Employment Programmes	2	
V		Open ended module	12	
		Discussion based on the trends in fiscal deficit and inflation in India	3	
		A simple project for the Measurement of poverty using MRP method in a Ward of LSG	5	
		A simple project for the Measurement of Unemployment in the local territory using any one methodology	5	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

Report Based on Study Tour: A study tour is recommended because it may add direct experience to learners about different economic culture of the country. All the students need to prepare a report of the tour that includes the places they visited, its importance etc and submit it to the Head of the Department soon after the completion of the tour.

REFERENCE:

- 1. Nicholas C. Hope, et al. *Economic Reform in India : Challenges, Prospects, and Lessons*, edited by, Cambridge University Press, 2013. (Module 1)
- 2. <u>V.K. Puri, S. K. Misra, Bharat Garg</u> -. *Indian Economy including Union Budget 2023-24*, 2023, Himalaya Publishing House. (Module 2,3,4 and 5)
- 3. <u>Uma Kapila:</u> *Indian Economy Performance and Policies (23rd edition)*, Academic Foundation. (Module 2,3,4 and 5)
- 4. Singh, Shrawan Kumar. Understanding the Indian Economy from the Post-Reforms of 1991, Volume II: Anatomy of the Indian Economy, Business Expert Press, 2020. (Module 4)
- **5.** Michael P. Todaro, Stephen C. Smith: Economic Development (12th edition), Pearson (Module1,2,3 and 4)

ADDITIONAL READINGS

1. Sreenivasan, T., Banerjee, A. V., Bardhan, P., & Somanathan, R. (2019). *Poverty and Income Distribution in India*, Juggernaut.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	1	-	-	3	-	-
CO 3	1	-	1	2	1	-	3	-	-
CO 4	1	3	1	2	-	-	3	-	-
CO 5	-	3	-	-	2	-	2	3	-

CORRELATION LEVELS:

Level	Level Correlation				
-	Nil				
1	Slightly / Low				
2	Moderate / Medium				
3	Substantial / High				

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Field work and project report (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Field work- project	End Semester Examination
CO 1	1	✓		✓
CO 2	1		✓	✓
CO 3	1	✓		✓
CO 4	1	✓		✓
CO 5		√	1	
CO 6			/	

Programme	B.A. Economics Hon	B.A. Economics Honours				
Course Title	ELEMENTARY EC	CONOMETI	RICS			
Type of Course	Major					
Semester	VI					
Academic Level	300-399					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	3	ı	2	75	
Pre-requisites	 Analytical To 	ols for Econo	omics I of 20	0-299 level		
	2. Analytical To	ols for Econo	omics II of 20	00-299 level		
Course Summary	This course introduc	ces students	to the econ	ometric meth	ods used to	
	conduct empirical analysis in Economics. The course is designed to					
	provide the students with the basic econometric techniques needed to					
	undertake applied res	undertake applied research projects. It also provides the base for more				
	advanced optional co	urses in econ	ometrics.			

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To Understand the methodology of Econometrics	U	C	Instructor-created exams / Quiz
CO 2	To analyse linear models using ordinary least squares and make inferences about population parameters	An	Р	Practical Assignment
CO 3	To evaluate the elasticity, growth rates etc using econometric models	E	P	Seminar Presentation / Practical sessions
CO 4	To detect econometric problems and apply remedial measures	E	P	Instructor-created exams / Home Assignments
CO 5	Demonstrate econometric models and analysing skills by applying the acquired knowledge to address economic phenomena in the contemporary world. Forecasting using estimated models	Ар, С	F	Practical, Writing assignments

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul	Uni	Content	Hrs	Marks
е	t			
I	1	Basic Principles of Economics	5	8
	1	What is Econometrics? Methodology of Econometrics	2	-
	2	Uses of Econometrics	1	+
	3	Limitations of Econometrics	1	4
	4	The concept of PRF -Significance of stochastic error term-The SRF	1	
II		Simple linear regression model: Two variable case	12	19
	5	Ordinary least square estimation of a linear model	2	
	6	Assumptions underlying the method of least squares	1	
	7	Properties of estimators - The Gauss Markov theorem	2	
	8	Goodness of fit	2	1
	9	Testing of hypothesis - Confidence intervals	3	
	10	Forecasting	2	
III		Other functional forms of regression models	12	19
	11	Multiple linear regression model - Extension of the single	2	
		explanatory variable case to a multivariate model(specification,		
		interpretation of regression coefficients)		
	12	Multiple linear regression model- test of significance of partial	2	1
		regression coefficients, adjusted R ²		
	13	Regression through the origin	1	1
	14	Introducing non-linearity through functions of explanatory	1	1
		variables -Double log Model	_	
	15	Semilog models	1	1
	16	Reciprocal model	1	1
	17	Dummy Variable regression models - ANOVA & ANCOVA	3	1
		models- specification & interpretation of regression coefficients	J	
	18	Dummy variable trap	1	†
IV		olation of classical assumptions: consequences, detection and	16	24
		remedies		
	19	Multicollinearity- Nature, Practical Consequences, Detection	4	
		methods: using R2 and t values, auxiliary regressions, Remedial		
		measures: combining cross sectional and time series,		
		transformation of variables		
	20	Heteroscedasticity – Nature, Consequences, Detection methods:	4	
		Park test, Spearman's rank correlation test, White's general		
		heteroscedasticity test, Remedial measures: WLS method, using		
		plausible assumptions about heteroscedasticity pattern		
	21	Autocorrelation - Nature, Consequences, Detection methods: the	4	
		Run's test, Durbin Watson d test, Remedial measures: GLS		
		method		
	22	Specification Errors – Types, Consequences of underfitting and	4	
		overfitting of model, Detection methods: DW d statistic,		
		Ramsey's RESET test, Lagrange multiplier test		

V	Open Ended Module	30	
	Estimation of economic functional relationships using cross section		
	data, interpretation and forecasting		
	(Excel package can be used for doing the regression)		

Note: The syllabus has five modules. There are 22 units in the first four modules composed of the theory topics. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is an open module designed to equip students with practical skill to analyse updated information on the contemporary world. The 10 marks for the evaluation of practical will be based on Module V. The end-semester examination for the theory part will be based on the 22 units in the first four modules.

REFERENCE:

- 1. Damodar N Gujarati, Dawn C Porter, Sangeetha Gunasekar (2012): Basic Econometrics (fifth edition) McGrawHill. (Module I,II,III,IV)
- 2. Gujarati, D. (2014). Econometrics by example, 2nd ed. Palgrave Macmillan (Module I,II,III,V).
- **3.** A Koutsoyiannis (1977): Theory of Econometrics- An introductory exposition of Econometric Methods, 2nd Edition, Palgrave (Module I, II)

ADDITIONAL READINGS

- 1. Dougherty, C. (2011). Introduction to econometrics, 4th ed. Oxford University Press, 20
- 2. Gujarati, D., Porter, D. (2010). Essentials of econometrics, 4th ed. McGrawHill.
- 3. Kmenta, J. (2008). Elements of econometrics. Khosla Publishing House.
- 4. Maddala, G., Lahiri, K. (2009). Introduction to econometrics, 4th ed. Wiley.
- 5. Wooldridge, J. (2014). Introduction to econometrics: A modern approach, 5th ed. Cengage Learning.
- 6. Lawrence R Klein (1975), A Text Book of Econometrics, Fourth Edition, Prentice Hall, Inc,Englewood cliffs, NJ, USA

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	-	-	3	-	-	3	-	-
CO 3	-	-	-	2	-	-	2	-	-
CO 4	1	-	-	1	-	-	2	-	3
CO 5	-	-	-	-	-	-	3	-	3

CORRELATION LEVELS:

Level	Level Correlation				
-	Nil				
1	Slightly / Low				
2	Moderate / Medium				
3	Substantial / High				

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	\	✓		✓
CO 2	✓	✓		✓
CO 3	√	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	1
CO 6			1	

Programme	B.A. Economics Honours				
Course Title	ADVANCED MAG	CROECON	OMICS		
Type of Course	Major				
Semester	VI				
Academic Level	300 - 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Intermediate Macroeconomics course of 200 – 299 level				
Course Summary	This course explores important concepts, theories, models and other				
	fundamental macro	aspects of e	economics.		

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the important concepts of economics and its real-world applications.	U	C	Instructor- created exams / Quiz
CO2	Develop and practice the skill of thinking like an economist.	Ap	Р	Practical Assignment / Observation of Practical Skills
CO3	Help the student master the macroeconomic aspects essential for understanding the economic climate, specific economic issues, and policy alternatives.	AN	Р	Seminar Presentation / Group Discussion
CO4	Apply the macroeconomic perspectives and reason accurately and objectively about economic matters.	EV	С	Instructor- created exams / Home Assignments
	To make the students curious about the functioning of the economy and the power and breadth of economics	С	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Unit Content			
I		The orthodox monetarist school	11	16	
	1	The quantity theory of money approach,	2		
	2	The expectations-augmented Phillips curve analysis,	3		
	3	The monetary approach to balance of payments theory and exchange rate determination,	3		
	4	The orthodox monetarist school and stabilization policy	3		
II		The new classical school and the real business cycle school	12	18	
	5	The structure of new classical models,	1		
	6	Equilibrium business cycle theory,	2		
	7	The policy implications of the new classical approach,	3		
	8	The real business cycle school: Real business cycle theory, The structure of a real business cycle model,	3		
	9	A real business cycle aggregate demand and supply model,	2		
	10	The policy implications of real business cycle theory	1		
III		The new Keynesian school	10	15	
	11	The fall and rise of Keynesian economics, New Keynesian economics,	3		
	12	Core propositions and features of new Keynesian economics, Nominal rigidities,	2		
	13	Dornbusch's overshooting model,	2		
	14	Real rigidities,	1		
	15	New Keynesian business cycle theory, Policy implications	2		
IV		The new political macroeconomics	15	21	
	16	Political distortions and macroeconomic performance, Political influences on policy choice,	2		
	17	The role of government, Politicians and stabilization policy,	2		
	18	Alternative approaches to the 'political business cycle': an Overview,	2		
	19	The Nordhaus opportunistic model, The Hibbs partisan model,	2		
	20	The decline and renaissance of opportunistic and partisan models, Rational political business cycles,	2		
	21	Rational partisan theory, Opportunistic and partisan behaviour: a synthesis,	ır: a 2		
	22	Politics, time inconsistency, credibility and reputation, Policy implications of politico-economic models	3		
V		Open Ended Module	12		
	1	Consumer theories after Keynes			
	2	Investment Theories			
		THIVESUITERL THEOLIES			

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks)

are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Brian Snowdon and Howard R. Vane (2005), Modern Macroeconomics: Its Origins, Development and Current State, Edward Elgar

ADDITIONAL READINGS

- 1. Goodwin, N., Harris, J. M., Nelson, J. A., Roach, B., & Torras, M. (2015b). Macroeconomics in context. Routledge.
- 2. Sikdar, S. (2020). Principles of macroeconomics. Oxford University Press.
- 3. Mankiw, N. G., Kneebone, R. D., & McKenzie, K. J. (2023). Principles of Macroeconomics, 9th Edition. Cengage Canada.
- 4. DeLorme, C. D., & Ekelund, R. B. (1983). Macroeconomics. Plano, Tex.: Business Publications.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	1	2	-	1	-	-	2	2	-
CO3	3	-	-	1	-	-	-	2	-
CO 4	-	3	1	2	-	-	3	1	-
CO 5	3	-	-	-	-	-	2	1	-
CO 6	ı	2	2	3	2	-	1	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	√		✓
CO 2	✓		/	/
CO 3	✓	√		/
CO 4	✓	√		/
CO 5		/	1	
CO 6			✓	

Programme	B.A. Economics Hon	ours			
Course Title	TIME SERIES ECO)NOMETRI	ICS		
Type of Course	Major				
Semester	VII				
Academic Level	400-499				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	3	-	2	75
Pre-requisites	Econometrics course of 3	00-399 level			
Course	This course introduce	es students t	o the econon	netric method	s using time
Summary	series data to conduct empirical analysis in Economics. The course is				
	designed to provide the students with the basic econometric techniques				
	needed to undertake applied research projects using macroeconomic				
	time series data.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To Understand the basic concepts of Time series Econometrics	R,U	С	Instructor-created exams / Quiz
CO 2	To analyse dynamic econometric models	An	P	Instructor-created exams- Practical Assignment
CO 3	To understand and evaluate the stochastic processes	E	Р	Seminar Presentation / Quiz /Practical sessions
CO 4	To analyse the models of stochastic processes	E	P	Instructor-created exams / Home Assignments
CO 5	To understand the nature of financial time series and apply the models to measure volatility	Ap	F	Writing assignments
6 6	Forecasting using estimated models - Demonstrate econometric models and analysing skills by applying the acquired knowledge to address economic phenomena in the contemporary world.	С	Р	Practical sessions/Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		Dynamic Econometric Models	11	18
	1	Role of Lags in Economics	1	
	2	2		
		and Autoregressive Distributed Lag (ARDL) model		
	3	The Koyck distributed lag model	2	
	4	Rationalisation of Koyck model (AE model)	2	
	5	Estimation of ARDL Model - Instrumental Variable	2	
		Method		
	6	Almon Approach to Distributed lag model	2	
II		Basic Concepts in Time Series Econometrics	16	22
	7	Stochastic processes, Stationary processes, Purely random	1	
		processes		
	8	Nonstationary stochastic processes – Random walk	1	
		without drift, Random walk with drift		
		Unit root stochastic process, Integrated Process	2	
	9	Transforming nonstationary time series into stationary:	3	
		Trend stationary process, Difference stationary stochastic		
		processes		
	10	2		
	11	3		
		stationarity		
	12	Cointegration, Cointegration Test, Error Correction Model	4	
III		Modelling Stochastic Processes	12	18
	13	AR, MA, ARMA and ARIMA models	2	
	14	The Box Jenkins methodology	3	
	15	Forecasting using estimated ARIMA model	1	
	16	Multivariate time series - VAR	1	
	17	Estimation of VAR and Forecasting with VAR	2	
	18	VAR and causality, Problems with VAR modelling	3	
IV		Modelling Financial Time Series	6	12
	19	Volatility Clustering in financial time series	1	
	20	ARCH model	2	
	21	GARCH model	1	
	22	Forecasting volatility in financial time series	2	
V		Simultaneous Equation Models	30	
		Examples for Simultaneous equation models-		
		Simultaneous equation bias – Identification Problem-		
		Estimation Approaches : Recursive model & OLS		
		estimation, ILS, TSLS – Forecasting		

Note: The syllabus has five modules. There are 22 units in the first four modules composed of the theory topics. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is an open module designed to equip students to analyse simultaneous equations in macroeconomic models. The 10 marks for the evaluation will be based on Module V. The end-semester examination will be based on the 22 units in the first four modules.

REFERENCE:

- Damodar N Gujarati, Dawn C Porter, Sangeetha Gunasekar (2012): Basic Econometrics (fifth edition)
 McGrawHill (Module I,II,III,IV,V)
- 2. Damodar N Gujarati and Dawn C Porter (2009): Basic Econometrics- Fifth Edition, McGraw Hill International Edition (Module I,II,III)
- 3. Gujarati, D. (2014). Econometrics by example, 2nd ed. Palgrave Macmillan. (Module II,III,IV)
- 4. A Koutsoyiannis (1977): Theory of Econometrics- An introductory exposition of Econometric Methods, 2nd Edition, Palgrave
- 5. Jack Johnston, John Dinardo, Econometric Methods, McGraw Hill International Edition (Modules I, III,IV)

ADDITIONAL READINGS

- Dougherty, C. (2011). Introduction to econometrics, 4th ed. Oxford University Press.
- 7. Gujarati, D., Porter, D. (2010). Essentials of econometrics, 4th ed. McGrawHill.
- 8. Kmenta, J. (2008). Elements of econometrics. Khosla Publishing House.
- 9. Maddala, G., Lahiri, K. (2009). Introduction to econometrics, 4th ed. Wiley.
- 10. Wooldridge, J. (2014). Introduction to econometrics: A modern approach, 5th ed. Cengage Learning.
- 11. Lawrence R Klein (1975), A Text Book of Econometrics, Fourth Edition, Prentice Hall, Inc, Englewood cliffs, NJ, USA
- James H Stock and Mark W Watson (2008): Introduction to Econometrics- Pearson, Addison
 Wesley.
- 13. Christopher Dougherty (2007): Introduction to Econometrics, Third Edition, Oxford University Press.
- 14. Robert S Pyndick and Daniel L Rubinfeld (1998): Econometric Models and Economic Forecasts-Fourth Edition, McGraw Hill International Edition

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	3	-	-	2		
CO 3	-	-	-	-	-	-	2	2	3
CO 4	-	-	-	-	-	-	2	2	3
CO 5	-	-	-	2	-	-	3	3	3
CO 6	-	-	-	2	-	-	3	3	3

CORRELATION LEVELS:

Level Correlation			
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	/		✓
CO 2	✓	✓	✓	✓
CO 3	1	/	✓	✓
CO 4	1	✓		✓
CO 5	✓	✓		1
CO 6	/	✓	√	

Programme	B.A. Economics Honours					
Course Title	GAME THEORY A	ND ECONO	OMIC BEHA	AVIOUR		
Type of Course	Major					
Semester	VII					
Academic Level	400 - 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	3	-	2	75	
Pre-requisites	Advanced Microecon	omics cours	e of 300 – 39	9 level		
Course Summary	The expected outco	ome is for	students to	gain a co	mprehensive	
	understanding of game theory principles and their application in					
		economics, fostering strong analytical, problem-solving, and policy				
	evaluation skills esser	ntial for tack	ling real-wor	ld economic c	challenges.	

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the theory of games	U	С	Instructor-created exams / Quiz
CO2	Analyze the decision making under interdependent situations	An	P	Practical Assignment
CO3	Evaluate different strategies	E	Р	Seminar Presentation
CO4	Can predict the optimal strategies of players and how the players can exploit strategic situations for their benefit	Ар	Р	Instructor-created exams / Home Assignments
CO5	The students can understand how to formulate different real-life situations as games	Ap	Р	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I		Introduction to Game Theory	5	8
	1	What is game theory?	1	
	2	History of game theory	1	
	3	Theory of rational choice	2	
	4	Interacting decision makers	1	
II		Strategic Games and Nash Equilibrium	14	22
	5	Strategic games: examples	3	
	6	Nash equilibrium: concept and examples	2	
	7	Best response functions	2	
	8	Dominated Actions	2	

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	9	Cymmetric games and symmetric equilibria	2	
		Symmetric games and symmetric equilibria		
	10	Illustrations of Nash equilibrium-Cournot and	3	
		Bertrand's model of duopoly market	15	
III	Mixed Strategy Equilibrium			23
	11	Introduction	2	
	12	Strategic games with randomisation	2	
	13	Mixed strategy Nash equilibrium: concept and	2	
		examples	_	
	14	Dominated Actions	2	
	15	Pure equilibria when randomization is allowed	3	
	16	Equilibrium in a single population	2	
	17	Formation of Players' beliefs	2	
IV		Extensive Games with perfect information		17
	18	Introduction to extensive games	2	
	19	Strategies and outcomes	2	
	20	Nash equilibrium- Subgame perfect Nash equilibrium	2	
	21	Backward induction	2	
	22	Illustrations of Extensive Games and Nash	3	
		Equilibrium-Stackelberg model of duopoly markets		
V		Open Ended Module	30	
	1	Seminar on other examples like; <i>Bach or</i>		
		Stravinsky, Matching Pennies the Stag Hunt etc		
	2	Discussion on the importance of game theory in		
		modern economy		
	3	Exercises- saddle point		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE

1. Osborne, Martin J. *An introduction to game theory*. Vol. 3. No. 3. New York: Oxford university press, 2004.

ADDITIONAL READINGS

- 1. Gibbons, Robert. "An introduction to applicable game theory." *Journal of Economic Perspectives* 11.1 (1997): 127-149.
- 2. Gibbons, Robert, and Robert Gibbons. "A primer in game theory." (1992).
- 3. Fudenberg, Drew, and Jean Tirole. *Game theory*. MIT press, 1991.
- 4. Pindyck, Robert S. Microeconomics. 2018.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	-	1	-	1	-	-
CO 2	ı	ı	2	3	-	ı	ı	-	-
CO 3	-	-	2	1	2	-	-	-	-
CO 4	-	-	-	-	-	-	3	-	2
CO 5	-	-	-	-	-	-	-	3	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar /Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1	/	1	✓
CO 3	1	✓		✓
CO 4	1	✓	1	✓
CO 5		✓	1	

Programme	B.A. Economics Hon	B.A. Economics Honours				
Course Title	DEVELOPMENT T	THEORIES .	AND MODE	ELS		
Type of Course	Major					
Semester	VII					
Academic Level	400 - 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	3	-	2	75 -	
Pre-requisites	Microeconomics and	Microeconomics and Macroeconomics course of 200 – 299 level				
Course Summary	To understand the theoretical aspects of development and the factors					
	influencing it.					

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO	Understand the process of	U	С	Instructor-
1	economic development			created exams /
				Quiz
CO	Analyze the theoretical aspects of	An	P	Practical
2	development			Assignment
CO	Evaluate various development	Ap	F	Seminar
3	theories			Presentation
CO	Apply the theoretical knowledge	Ap	С	Instructor-
4	into understanding the			created exams /
	development process			Home
				Assignments
CO	Create complete understanding of	U	F	Viva
5	the development process			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Unit Content		Marks
			S	
I		The concept of economic development	10	15
	1	Development and underdevelopment	1	
	2	Development gap	1	
	3	Measurement of poverty	2	
	4	Views of Amartya Sen	2	
	5	Capability approach	1	
	6	Development and institutions	2	
	7	Human capital with reference to gender gap in development	1	
		process		
II		Theories of development	16	26

 $[\]hbox{\it\#-} Factual\ Knowledge (F)\ Conceptual\ Knowledge\ (C)\ Procedural\ Knowledge\ (P)}$

	8	Rostow's stages of growth	2	
	9	Kaldor's six characteristics of growth	2	
	10	Structural change model – Prebish-Singer model, Lewis	4	
	11	11 Dependency theories – Emmanuel dualism		
	12	False Paradigm	1	
	13	Dualism-financial, technical and social Jorgenson's theory	2	
		of dual economy		
	14	Jorgenson's theory of dual economy	2	
III		Contemporary development theories	10	15
	15	Big push theory	2	
	16	Underdevelopment as coordination failure	1	
	17	Multiple equilibria	3	
	18	O ring theory	1	
	19	Leibenstein's Theory of Critical Minimum Efforts	3	
IV		Regional development models	9	14
	20	Growth Pole theory – Francois Perroux	3	
	21	Gunnar Myrdal- Theory of cumulative causation	3	
	22	Friedman- Core Periphery theory	3	
V		Open ended module	30	
		Discussion Developing experience of third world economies		
		Practical Assignments Study about the relevance of theories		
		in explaining the development experience of third world		
		countries		
		Seminar present the student's understanding of development		
		indicators using a particular economy's experience.		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Thirlwall A.P, Economics of Development, Macmillan; 9th edition (1 December 2011

ADDITIONAL READINGS

- 1. Debraj Ray, Development Economics, Oxford University Press, 2009
- 2. Misra & Puri, Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2016.
- 3. Todaro and Smith, Economic Development, Pearson Education India; 10th edition 2011

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-		2
CO 2	-	-	-	1	-	-	-	3	-
CO 3	-	-	-	3		-	-	3	-
CO 4	-	3	1	2	-	-	3	3	2
CO 5	3	-	-	-	-	-	-		2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1		✓	✓
CO 3	1	✓		✓
CO 4	✓	✓		✓
CO 5	1	√	1	1

Programme	B.A. Economics Honours						
Course Title	BALANCE OF PA	BALANCE OF PAYMENTS AND EXCHANGE MARKET					
Type of Course	Major						
Semester	VII						
Academic Level	400 - 499	400 - 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	3	-	2	75		
Pre-requisites	Microeconomics ar	nd Macroeco	nomics cours	e of 200 – 299	9 level		
Course Summary	This course explor	es the impor	tant principle	es and theorie	s of balance		
	of payment, foreign exchange transactions and working of current						
	International Mone	tary system.	It also explo	ores the foreig	gn exchange		
	management in Ind	ian context .					

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the concepts in BoP and foreign Exchange	U	С	Instructor-created exams / Quiz
CO2	Analyze the various approaches of Balance of payment and theories of Exchange Rate determination	An	Р	Practical Assignment
CO3	Evaluate the process of foreign exchange transactions and management	Ap	F	Seminar Presentation / Group Discussion
CO4	Apply the theoretical knowledge to current international Monetary system	Ap	С	Instructor-created exams / Home Assignments
CO5	Create complete understanding of the BoP and forex Management in India.	U	F	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul e	Unit	Content	Hrs	Marks
I		Balance of Payment and Balance of Trade	10	15
	1	Balance of trade & Balance of Payment: Accounts in BOP	2	
	2	Equilibrium and Disequilibrium is BoP and Measures to correct BoP	3	
	3	Marshall Lerner Condition, J curve effect and Absorption approach	3	
	4	Foreign Trade Multiplier	2	
II		Foreign Exchange Rate	11	17
	5	Evolution and Functions of foreign exchange market	2	
	6	Theories of Exchange Rate Determination-Mint Parity, Purchasing Power Parity and Balance of Payment theory	2	
	7	Exchange Rate systems - fixed, flexible and Managed Floating	2	
	8	Different Types of Transactions in foreign Exchange Market	2	
	9	IMF and International Liquidity management.	3	
III	Ap	proaches to Balance of Payment and Exchange Rate	15	24
	10	Monetary Approach to Balance of Payment	2	
	11	Portfolio Balance Approach	2	
	12	Exchange Rate overshooting	1	
	13	Internal and External Balance - Swan model	2	
	14	IS- L M- BP Model	2	
	15	Currency substitution Model	2	
	16	Exchange rate volatility	2	
	17	Redux and Target zone Models	2	
IV	Ba	9	14	
	18	Direction and composition of Balance of payments in India	2	
	19	BOP crisis in India	2	
	20	Currency Convertibility	1	
	21	Exchange control Measures in India	2	
	22	Foreign Exchange Management in India- Fiscal, monetary and trade policy.	2	
V		Open ended module	30	
		Discussion - International Monetary System –Present and Future		
		Practical Assignments 1) Study about the recent trends of balance of payments in developing countries with special reference to India. OR 2) Compare and contrast BoP Account Statement of India and USA.		
		Seminar Discuss the role of IMF as a global financial controller.		

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Dominick Salvatore (2014) International Economics Trade and Finance – Eleventh Edition Wiley(Module I,Il & Ill)

ADDITIONAL READINGS

- 1. Sodersten, Bo and Geoffrey Reed, International Economics. Macmillan Education Ltd 1998.
- 2. Gandolfo (2002), International Finance and Open economy Macroeconomics, Springer, Tokyo.
- 3. Pilbeam ,Keith(2006) ,International Finance ,Palgrave McMillan New York(Module III)
- 4. Grath. A(2008), International Trade and Finance, London
- 5. Kindleberger, C.P, International Economics, R.D. Irwin, Homewood
- 6. Bhagwati, J.N(Ed), International Trade: Selected Readings, MIT press, 1987.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	2	-	2	3	3
CO 3			-	2	-		-		2
CO 4	-		1	2	3		3	3	2
CO 5	3	-	-	-	3		2	-	2

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- 1. Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- 2. Internal Exam
- 3. Practical Assignments (20%)4. Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓	✓	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓ /
CO 5	✓	√	√	

Programme	B.A. Economics Honours						
Course Title	DEVELOPMENT ISSUES IN KERALA						
Type of Course	Major						
Semester	VII						
Academic Level	400 - 499						
Course Details	Credit	Lecture	Tutorial	Practical	Total Hours		
		per week	per week	per week			
	4	3	-	2	75		
Pre-requisites	Economics course of	f 200 – 299 le	evel				
Course Summary	The course covers	_	-		0 1 0		
	Human Developme						
	1 *	Development, Development Issues, state finance and planning. It also covers assignment on identification of data base on Kerala Economy and discussion					
	regarding the Econor		and the State	e Budgets and	d Prepare reports		
	based on discussions.	•					

Course Outcomes (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools used
		Level*	Category#	
CO	To understand the	U	F	Instructor-created exams
1	developmental experiences of			/ Discussions/ Quiz
	Kerala Economy.			
CO	To examine the population	E	F	Instructor-created
2	changes, Human Development			exams/ Discussions/Quiz
	and Inclusive growth in Kerala			
CO	To understand and examine the	E	P	Instructor-created
3	major development issues of			exams/ Seminar
	Kerala.			Presentation /
				Discussion/Quiz
CO	To evaluate state finances and	E	P	Instructor-created exams
4	planning in Kerala and enable			/ Group Discussion/
	them to be a part of policy			Assignments/ Quiz
	implementation.			
CO	To understand data base on	U	F	Group Discussion/ Viva
5	Kerala Economy, conduct a			Voce
	discussion and prepare reports			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		Development Experiences of Kerala	10	15
	1	Economic Growth in Kerala	2	
	2	Structural Transformation in Kerala	2	
	3	Sectoral performance and Development of Infrastructure in Kerala	2	
	4	Kerala Model of Development	2	
	5	Rebuild Kerala Initiative	2	
II	D	emography, Human Development and Social Inclusion	14	22
	6	Changing Demographic Profile in Kerala	2	
	7	Labour, Employment and Skill Development	2	
	8	Migration: Types, Causes, Trends and Impacts	2	
	9	Urbanization: Causes, Trends and Challenges	2	
	10	Education and Health	2	
	11	Gender and Development	2	
	12	Social Security Measures in Kerala		
III		Development Issues of Kerala Economy	11	18
	12	Unemployment: Causes, Trend and Consequences	2	
	13	Growth of Informal Sector in Kerala	2	
	14	Greying Population: Trend, Concern and Challenges	2	
	15	Banking and Tourism	2	
	16	External Sector in Kerala: External Trade- Pattern and Trend.	3	
IV		10	15	
	18	Financial Indicators of State Government	2	
	19	Fiscal Deficit and Public Debt	2	
	20	People's Plan Campaign and Decentralized Planning	2	
	21	Fiscal Decentralization: Achievements and Challenges in Kerala	2	
	22	Inclusive Growth in Kerala	2	
V		OPEN ENDED	30	
	9	Suggested Exercises (Arrange any two appropriately).		
	1	Assignment on identification of data base on Kerala Economy and interpretation of the given data		
	2	Conduct a discussion regarding the Economic Review and the State Budgets and ensure a debate/quiz related to the various budgets		
	3	Prepare reports based on discussions		
	1			

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCES:

- 1. Oommen, M.A. (1999) Rethinking Development: Kerala's Development Experience, Concept, New Delhi.
- 2. Prakash, B.A. (2004) Kerala's Economic Development: Performance and Prospects in the Post Liberalisation Period, Sage Publications, New Delhi.
- 3. Mani, Sunil (2020) Kerala and the World Economy, Centre for Development Studies (Under the aegis of Govt. Of Kerala & Indian Council of Social Science Research), Thiruvananthapuram.
- 4. Zachariah K.C & Irudaya Rajan.S (2013) Diaspora in Kerala's Development, Daanish Books,
- 5. Prakash, B.A.&Jerry Alwin (2018) Kerala's Economic Development: Emerging Issues and Challenges, Sage Publications, New Delhi
- 6. Sundar Ramanathaiyer & Stewart Macpherson (2000) Social Development in Kerala: Illusion and Reality? Ashgate Publishing, UK.
- 7. State Urbanization Report 2012.
- 8. Kerala Migration Survey Report 2018
- 9. Kerala Development Report 2021
- 10. Kerala Economic Review for various years.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	1	1	1	1	1	3	1	-
CO 2	1	2	-	-	1	-	3	-	-
CO3	-	2	-	-	-	-	3	-	-
CO 4	1	2	-	-	1	-	3	-	-
CO 5	1	-	-	-	-	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	/		✓
CO 2	1	1		✓
CO3	✓	1		/
CO 4	1	√		/
CO 5		√		

Programme	B.A. Economics Honours						
Course Title	MACROECONON	MACROECONOMIC MODELS AND MEASUREMENT					
Type of Course	Major						
Semester	VIII						
Academic Level	400 - 499						
	Details Credit	Lecture	Tutorial	Practical	Total		
Course Details		per week	per week	per week	Hours		
	4	3	-	2	75		
Pre-requisites	Macroeconomics Co	ourse of level	300 – 399				
Course	This course is a modern approach to macroeconomics by building						
Course	macroeconomic mo	macroeconomic models from microeconomic principles, consistent with					
Summary	the way that macro	economic res	earch is cond	lucted today.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Allows deeper insights into economic growth processes and business cycles.	U	C	Instructor- created exams / Quiz
CO2	Integrates the study of macroeconomics with approaches in courses in microeconomics and in field courses in economics	Ap	Р	Seminar Presentation / Group Discussion
CO3	Develop a comprehensive and broad perspective of what macroeconomic theory is today	U	Р	Seminar Presentation / Group Discussion
CO4	Apply macroeconomic models and tools in specific contexts and to particular problems	E	Р	Instructor- created exams / Home Assignments
CO5	Construct models suitable for specific contexts	С	F	Practical Assignment / Observation of Practical Skills

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks				
		Measurement Issues in Macroeconomics	13	20				
	1	1 Macroeconomic Models						
	2	Microeconomics Principles behind Macroeconomic Models	2					
		3 Disagreements in Macroeconomics						
	4	4 What do we learn from Macroeconomic Analysis						
I	5	Labour Market measurement: unemployment rate, participation rate, employment/population ratio	2					
	6	Business cycle measurement : Regularities in GDP Fluctuations, Co-movement among economic time series, co-movements between the price level and real GDP and between the inflation rate and real GDP, co-movements among labor market variables and real GDP	3					
		Closed Economy One Period Macroeconomic Model	12	18				
	7	Competitive equilibrium	2					
	8	Optimality	2					
II	9	Sources of social inefficiency	2					
	10	Effects of change in government purchases	2					
	11	Effects of change in total factor productivity	2					
	12	Effects of a distorting labour income tax	2					
	_	Two Period Model of Consumption-Savings Decision	11	18				
	13	Two Period Model of the Economy	2					
	14	The Consumer's Lifetime Budget Constraint	1					
	15	The Consumer's Preferences	1					
III	16	Consumer Optimization	1					
	17	How the consumer responds to changes in his or her current income, future income, and the market real interest rate	2					
	18	Competitive equilibrium	2					
	19	The Ricardian Equivalence Theorem	2					
		Money, Banking, Prices and Monetary Policy	9	14				
137	20	Monetary Intertemporal Model – Fisher relation – Competitive equilibrium	3					
IV	21	Money neutrality in the monetary intertemporal model.	3					
	22	Conventional Monetary Policy, the Liquidity Trap, and Unconventional Monetary Policy	3					
V	Cons	struction of Macroeconomic Models with reference to Indian	30					
		Economy Practical assignments to measure labour market related						
		concepts in India						
		Presentation of macroeconomic model constructed in Indian						
	<u> </u>	Treschiation of macroeconomic model constructed in muldi						

	context	
	Group discussions on social inefficiency	
	Debate: Conventional Vs Unconventional Monetary Policy	

Note: The syllabus has five modules. There should be total 22 units in the first four modules together, composed of the theory topics. The number of units in the last module can vary. There are 45 instructional hours for the first four modules and 30 hrs for the final one. Module V is designed to equip students with practical skills. The 20 marks for the evaluation of practical will be based on Module V. Internal assessments (30 marks) are split between the practical module (20 marks) and the first four modules (10 marks). The end-semester examination for the theory part will be based on the 22 units in the first four modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Williamson, S. D. (2017). *Macroeconomics*, Global Edition. Pearson Higher Ed. (All modules)

ADDITIONAL READINGS

- 1. Romer, D. (2019). Advanced Macroeconomics. McGraw-Hill/Irwin.
- 2. Hoover, K. D. (2012). *Applied Intermediate Macroeconomics*. Cambridge University Press.
- 3. Ljungqvist, L., & Sargent, T. J. (2018). *Recursive Macroeconomic Theory, fourth edition*. MIT Press.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	ı	ı	ı	1	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	-	-	-	2	3	-
CO 4	-	-	1	-	-	-	2	3	-
CO 5	-	-	-	-	-	-	1	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	√		✓ ·
CO 5		✓	✓	

Programme	B.A. Economics Honours						
Course Title	APPLIED MICRO	APPLIED MICROECONOMICS AND EVALUATION					
Type of Course	Major	Major					
Semester	VIII	VIII					
Academic Level	400 - 499						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Microeconomics co	ourse of 300 -	- 399 level				
Course Summary	This course provides different aspects of microeconomic analysis						
	while emphasizing real-world economic problems and incorporating						
	coverage of the mo	st innovative	subjects in t	he discipline.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand mechanism of market	U	F	Instructor-created exams / Quiz
CO 2	Analyse the market situation when externality is present	An	Р	Instructor-created exams / Quiz
CO 3	Evaluate market working with asymmetric information	E	Р	Seminar Presentation / Group Discussion
CO 4	Apply economic theory to solve welfare maximization problems and for fair allocation	Ap	Р	Instructor-created exams / Home Assignments/Viva- voce
CO 5	Create a model for depicting the real nature of welfare of society	С	M	Practical Assignment / Observation of Practical Skills

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

 $^{\#\ -\} Factual\ Knowledge\ (F)\ Conceptual\ Knowledge\ (C)\ Procedural\ Knowledge\ (P)$

Module	Uni	Content	Hr	Marks
	t		s	
Ι		Exchange	18	25
	1	Market Trade	2	
	2	The Algebra of Equilibrium	2	
	3	Walras' Law	2	
	4	Relative Prices	2	
	5	The Existence of Equilibrium	2	
	6	Equilibrium and Efficiency	2	
	7	The Algebra of Efficiency	2	
	8	Implications of the First Welfare Theorem	2	
	9	Implications of the Second Welfare Theorem	2	
II		Welfare	10	15
	10	Aggregation of Preferences	2	
	11	Social Welfare Functions	2	
	12	Welfare Maximization	2	
	13	Individualistic Social Welfare Functions	2	
	14	Fair Allocations, Envy and Equity	2	
III		Externalities	10	15
	15	Quasilinear Preferences and the Coase Theorem	3	
	16	Production Externalities	3	
	17	Market Signals	2	
	18	The Tragedy of the Commons	2	
IV		Asymmetric Information	10	15
	19	The Market for Lemons, Quality Choice, Adverse Selection	4	
	20	Moral Hazard, Moral Hazard and Adverse Selection	3	
	21	Signalling	2	
	22	Incentives	1	
V		Application of Microeconomic Theories in India	12	
		Discussion based on welfare effects of pollution and environmental		
		degradation in India		
		Practical Assignments on calculation of producer and consumer		
		welfare in a given market		
		Seminar on how changes in policy alter the market equilibrium and		
		impact social welfare		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Varian, H. R. (2014). *Intermediate Microeconomics with Calculus: A Modern Approach: International Student Edition*. W. W. Norton & Company. (All modules)

ADDITIONAL READINGS

1. Mas-Colell, A., Whinston, M. D., & Green, J. R. (2018). *Microeconomic Theory*.

- 2. Munoz-Garcia, F. (2017). *Advanced Microeconomic Theory: An Intuitive Approach with Examples*. MIT Press.
- 3. Schotter, A. (2009). Microeconomics: A Modern Approach.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	1	-	-	-	1	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	-	-	-	2	3	-
CO 4	-	-	-	-	-	-	3	-	-
CO 5	-	-	-	-	-	-	-	-	3

CORRELATION LEVELS:

Level	Correlation		
- Nil			
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	1		√
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5			✓	

Programme	B.A. Economics Ho	nours				
Course Title	HETERODOX EC	CONOMICS				
Type of Course	Major					
Semester	VIII					
Academic Level	400 – 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
	per week per week per week Hours					
	4 4 - 60					
Pre-requisites	Advanced economic course on Microeconomics, Macroeconomics and					
	Development Economics of 300 – 399 level					
Course Summary	This course intends to provide an alternative perception to the					
	economic theories,	principles an	d concepts.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To understand the alternative approach to economics	U	С	Instructor-created exams / Practical Assignment
CO 2	Understand the various theories of value and the heterodox theories of distribution.	U	С	Assignments / Quiz
CO 3	To discern the micro-macro links from the perspective of heterodox economics.	Ap	Р	Observation of Practical Skills / Group Discussion
CO 4	To view aggregation problems from a different perspective and redefine welfare accordingly	Ap	Р	Observation of Practical Skills / Home Assignments
CO 5	Use systemist framework to evaluate real-world economic problems and issues.	E	P	Group Discussion / Instructor-created exams
CO 6	To explore feminist, ecological and radical discourses.	E	P	Group Discussion / Practical Assignment Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		A Heterodox View of the Economy	8	12
	1	What is heterodox economics?	1	
	2	Evolution of heterodox economics	2	
	3	From classical political economy to neoclassical economics	1	
	4	From classical political economy to heterodox economics	1	
	5	Heterodox economic theory and the social provisioning process.	3	
II	Modu	le 2: Heterodox Theories of Value	10	14
	6	Theory of Value by Adam Smith	2	-
	7	Ricardo's conception of value	2	
	8	Marxian approach to value	2	
	9	Sraffa's approach	4	
III	Modu	le 3: Heterodox Theories of Distribution	15	22
	10	Recent developments in heterodox theories	3	
	11	Classical and Marxian theory	3	
	12	Cambridge theory	2	
	13	Neo-Kaleckian theory	2	
	14	The functional-size distribution nexus - Different sectors and	2	
		different classes		
	15	Econo-physics and the 'two-class theory of income distribution'	3	
IV	Modu	le 4: Micro- Macro link in Heterodox Economics	15	22
	16	Aggregates and aggregation in science	2	
	17	A heterodox perspective on the micro–macro link: The whole is more than the sum of its parts	3	
	18	Relations matter: There is real novelty	2	
	19	Aggregation and Welfare	2	
	20	Systemism as a general frame work	2	
	21	Systemism and heterodoxy - key ideas and concepts	2	
	22	Heterodox economics in a systemist framework	2	
V		Open Ended Module	12	
		Discussion based on Feminist Economics, Ecological		
		Economics and Radical Economics		
		Seminars to discuss and evaluate the state of affairs and policy		
		related to women and ecology.		
		Group discussion and Assignments to understand radical economics.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22

units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Jo, T., Chester, L., & D'Ippoliti, C. (2017). *The Routledge Handbook of Heterodox Economics: The-orizing, Analyzing, and Transforming Capitalism*. Routledge.

ADDITIONAL READINGS

- 1. Mearman, A., Berger, S., & Guizzo, D. (2019). What is Heterodox Economics?: Conversations with Leading Economists. Routledge.
- 2. Lee, F. (2009). A history of heterodox economics: Challenging the mainstream in the twentieth century. Routledge.
- 3. Hermann, A., & Mouatt, S. (2020). *Contemporary issues in Heterodox Economics: Implications for Theory and Policy Action*. Routledge.
- 4. Armstrong, P. (2020). *Can heterodox economics make a difference?: Conversations With Key Thinkers*. Edward Elgar Publishing.
- 5. Harvey, J. T., & Garnett, R. F. (2008). *Future directions for heterodox economics*. University of Michigan Press.
- 6. Lee, F. S., & Lavoie, M. (2012). *In defense of Post-Keynesian and heterodox economics: Responses to Their Critics*. Routledge.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	2	-	-
CO 2	3	-	1	-	-	-	2	ı	-
CO 3	-	-	-	-	-	-	3	2	-
CO 4	-	-	-	-	-	-	-	3	2
CO 5	-	-	-	1	1	-	2	3	-
CO 6	-	3	-	-	-	-	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	/		✓
CO 2	✓	✓	✓	✓
CO 3	1	/	✓	✓
CO 4	✓	✓		✓
CO 5	1	√		1
CO 6		1	√	

Programme	B.A. Economics Hon	B.A. Economics Honours				
Course Title	METHODS FOR Q	UANTITAT	TIVE RESEA	ARCH IN EC	CONOMICS	
Type of Course	Major					
Semester	VIII					
Academic Level	400 - 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total Hours	
		per week	per week	per week		
	4	4	-		60	
Pre-requisites	Economics course of	300 – 399 le	vel			
Course	This course provides	a comprehe	ensive found	ation in resea	arch design and	
Summary	statistical analysis te	chniques for	economic re	esearch, cove	ring topics such	
	as research method	ology, data	collection r	nethods, stat	istical analysis,	
	software applications, and advanced topics including regression analysis					
	and econometrics, w	ith a focus	on ethical c	onsiderations	throughout the	
	research process.					

Course Outcomes (CO):

including different types of research methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research CO5 research P P Instructor-created exam Home	CO	CO Statement	Cognitiv	Know	Evaluation
CO1 Demonstrate a solid understanding of the fundamental principles of research design, including different types of research methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research			e Level*	ledge	Tools used
CO1 Demonstrate a solid understanding of the fundamental principles of research design, including different types of research methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research F Instructor-created exam P P Instructor-created exam Home				Categ	
fundamental principles of research design, including different types of research methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research CO5 research designs to research designs to address these questions. CO6 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research				ory#	
including different types of research methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research CO5 research P P Instructor-created exam Home	CO1	Demonstrate a solid understanding of the	U	F	Instructor-
methodologies and sampling techniques. CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research TOS Practical Assignment Assignment F Seminar Presentation Group Discussion F Instructor-created exam Home		fundamental principles of research design,			created exams /
CO2 to apply various statistical analysis techniques, such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research TOS Practical Assignment Assignment F Seminar Presentation Group Discussion P Instructor-created exam Home		including different types of research			Quiz
such as hypothesis testing, regression analysis, and econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research Assignment Assignment Assignment Assignment P Instructor-created exam		methodologies and sampling techniques.			
econometric methods, to real-world economic research problems CO3 critically analyze research problems, identifying gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research EVALUATE: AP Instructor-created exam Home	CO2	to apply various statistical analysis techniques,	Ap	P	Practical
research problems CO3 critically analyze research problems, identifying E gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research F Seminar Presentation Group Discussion F Instructor-created exam Home		such as hypothesis testing, regression analysis, and			Assignment
CO3 critically analyze research problems, identifying E gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research F Seminar Presentation Group Discussion P Instructor-created exam Home		econometric methods, to real-world economic			
gaps in existing literature, formulating meaningful research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research Presentation Group Discussion Piscussion P Instructor-created exam Home		research problems			
research questions, and selecting appropriate research designs to address these questions. CO4 Synthesize information from various sources, including primary and secondary data, to create well-constructed and logically organized research Group Discussion P Instructor-created exam	CO3	critically analyze research problems, identifying	Е	F	Seminar
research designs to address these questions. CO4 Synthesize information from various sources, Ap including primary and secondary data, to create well-constructed and logically organized research Discussion P Instructor-created exam Home		gaps in existing literature, formulating meaningful			Presentation /
CO4 Synthesize information from various sources, Ap including primary and secondary data, to create well-constructed and logically organized research Home		research questions, and selecting appropriate			Group
including primary and secondary data, to create well-constructed and logically organized research Home		research designs to address these questions.			Discussion
well-constructed and logically organized research Home	CO4	Synthesize information from various sources,	Ap	P	Instructor-
		including primary and secondary data, to create			created exams /
		well-constructed and logically organized research			Home
proposais and projects. Assignments		proposals and projects.			Assignments
CO5 Evaluate the reliability and validity of research E C Instructor-	CO5	Evaluate the reliability and validity of research	E	С	Instructor-
findings, interpret statistical results, and created exam		findings, interpret statistical results, and			created exams /
communicate their research effectively through Home		communicate their research effectively through			Home
written reports and presentations. They will also. Assignments		written reports and presentations. They will also.			Assignments
CO Create comprehensive research projects that Ap P	CO	Create comprehensive research projects that	Ap	P	
6 demonstrate a mastery of quantitative research	6	demonstrate a mastery of quantitative research			

methods in the field of economics

DETAILED SYLLABUS:

Modul	Unit	Content	Hrs	Marks	
е					
I		dations of Research Design	12 2	18	
	1 Introduction to Research Methodology - Definition and importance of research				
	2	1			
	2	Types of research- exploratory, descriptive, explanatory	1		
	3	Research Problem Formulation: Literature review - Identifying	2		
	4	research gaps - Developing research objectives and hypotheses	_		
	4	Research Design and Types - Experimental vs. non-	3		
		experimental designs - Cross-sectional vs. longitudinal designs -			
	_	Quasi-experimental designs			
	5	Sampling Techniques - Probability and non-probability	3		
		sampling methods- Sample size determination	4		
	6	Sampling errors and biases	1	4.0	
II		Collection Methods	12	16	
	7	Survey Research - Questionnaire design and construction -	2		
	8	Sampling in surveys – Pilot survey - Survey administration and	3		
		data collection			
	9	Validity and Reliability – Test of Validity and reliability	2		
	10	Randomized control trials - Experimental and control groups	2		
	11	Secondary Data - Utilizing existing datasets	2		
	12	Ethical considerations in data collection	1		
III	Statis	tical Analysis Techniques	12	18	
	13	Descriptive Statistics - Frequency distributions - Graphical	3		
		representation of data			
	14	Inferential Statistics - Hypothesis testing- Confidence intervals - t-tests, ANOVA, ANCOVA,	3		
	15	Correlation Regression analysis.	2		
	16	Data Interpretation - Communicating statistical findings	4		
TX 7	0.6	effectively - Presentation: Creating visualizations and tables	40	40	
IV		rare Applications and Advanced Topics	12	18	
	17	Introduction to Statistical Software - Familiarisation of software	3		
	10	like R /Python/SPSS			
	18	Data import, cleaning and basic analysis	1		
	19	Advanced Regression Analysis - Multiple regression - Logistic	3		
		regression Model diagnostics			
	20	Econometrics in Economic Research - Time-series analysis	2		
	21	Panel data analysis- Instrumental variable methods.	2		

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

[#] - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	22	Research ethics.	1	
V	Open	12		
		Discussion : Identify a research paper (Qualitative research		
		work)		
		Practical Assignments: Review of various research works and		
		identify different research methods		
		Seminar: Prepare a research proposal and present it		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. "Research Methodology: A Step-by-Step Guide for Beginners" by Ranjit Kumar New age international Publishers.
- 2. Research Methodology in Social Sciences Paperback by Shridhar Patil & Aditya New India Publishing Agency
- 3. Methodology of Research In Social Sciences, Krishnaswamy, O.R. Himalya publishing House,
- 4. Research Methodology in Social Sciences" by Devendra Thakur Deep & Deep Publications

ADDITIONAL READINGS

- 1. Bryman, A. (2016). Social Research Methods. Oxford University Press.
- 2. Bordens, K. S., & Abbott, B. B. (2002). Research design and methods: A process approach. McGraw-Hill.
- 3. Bairagi, V., &Munot, M. V. (Eds.). (2019). Research methodology: A practical and scientific approach. CRC Press.
- 4. Creswell, J. W., & Creswell, J. D. (2017). Research design: Qualitative, quantitative, and mixed methods approaches. Sage publications

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	_	3	-
CO 3	-	-	-	3	-	-	-	-	2
CO 4	-	-	-	-	-	-	3	1	-
CO 5	-	-	-	-	-	2	-	-	2
CO6	-	-	-	-	-	-	3	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		1
CO 2	1	✓	✓	✓
CO 3	1	1	✓	1
CO 4	1	✓	✓	✓
CO 5	✓	✓	✓	

Programme	B.A. Economics Honours							
Course Title	METHODS FOR QUALITATIVE RESEARCH IN ECONOMICS							
Type of Course	Major							
Semester	VIII							
Academic Level	400 - 499							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Economics course of	300 – 399 le	evel					
Course	This course provides	a comprehe	nsive overvi	ew of qualitat	tive research			
Summary	methods in econor	mics, cover	ring topics	such as p	hilosophical			
	foundations, research design, sampling, data collection techniques,							
	analysis techniques, interpretation, and advanced topics including ethical							
	considerations and th	ne integration	n of qualitati	ve methods v	vith big data			
	approaches.							

Course Outcomes (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation
		Level*	Category#	Tools used
CO1	Articulate the philosophical foundations	U	F	Instructor-
	of qualitative research, distinguishing			created
	between post-positivism, critical			exams /
	realism, and constructivism.			Quiz
CO2	Conduct data analysis skillfully, through	An	P	Practical
	advanced approaches like discourse			Assignment
	analysis and ethnographic content			
	analysis, synthesizing information from			
	diverse sources.			
CO3	Critically evaluate ethical challenges in	E	F	Seminar
	advanced qualitative research designs			Presentation
	and assess the strengths and limitations			/ Group
	of various qualitative methods.			Discussion
CO4	Proficiently design and justify complex	Ap	P	Instructor-
	qualitative research studies utilizing			created
	advanced methodologies such as multi-			exams /
	method approaches and case studies.			Home
				Assignments
CO5	Produce an original publishable-quality	Ap	F	Instructor-
	research paper, creatively applying			created
	emerging trends in qualitative research,			exams /
	including big data and digital			Home
	ethnography.			Assignments
* - Re	emember (R), Understand (U), Apply (Ap),	Analyse (An),	Evaluate (E), Creat	te (C)

- Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul	Unit	Content	Hrs	
е				
I		Introduction to Qualitative Research in Economics	16	22
	1	Overview of Research Methods – Quantitative and qualitative	2	
		strength and limitations of Qualitative research.		
	2	Philosophical Foundations - Understanding ontology and	3	
		epistemology in qualitative research - Positivism - constructivism – Critical realism		
	3	Review of literature	2	
	4	Formulation of research problem - Identification	3	
		conceptualization and operationalization of the problem		
	5	Research Design in Qualitative Research - Defining research	3	
		questions and objectives		
	6	Choosing appropriate qualitative research designs - Case study,	3	
		grounded theory, ethnography, and phenomenology		
II	Sami	pling and Data Collection Techniques in Qualitative Research	12	18
	7	Sampling methods: Purposeful sampling technique- Snowball	3	
		sampling - Critical case sampling-Theoretical sampling.		
	8	Data collection methods: In-Depth Interviews - Focus Group	3	
		Discussions - Observation		
	9	Document Analysis -Examining primary and secondary sources	2	
	10	Multi method approach	2	
	11	Case study approach	2	
III	Data	Analysis in Qualitative Research	10	15
	12	Techniques: Thematic analysis - Content analysis - Constant	2	
		comparative analysis		
	13	Coding and categorization- Discourse analysis- Narrative	2	
		analysis.		
	14	Scaling Techniques: Likert Scale – Thurstone scale – Guttman	2	
		scale		
	15	Introducing Qualitative Data Software	2	
	16	Interpretation and Writing	2	
	17	Hermeneutics. The role of theory in qualitative research in	2	
		economics		
IV	Adva	nced Topics in Qualitative Research in Economics	10	15
	18	Recent trends and issues in Qualitative research	2	
	19	Power Dynamics And reflexivity	2	
	20	Big data and qualitative Research methods	2	
	21	Ethical considerations specific to qualitative research.	2	
1	22	Evaluating the impact of economic policies	2	

V	Open	ended module	12			
		Discussion : Identify a research paper (Qualitative research				
		work)				
		Practical Assignments: Preparation of interview Shedule/				
		questionnaire				
		Seminar: Review a research paper and present it				

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 5. Qualitative research methods in economics: A practical guide. Uwe Flick -Sage Publications Ltd.
- 6. Research Methodology in Social Sciences Paperback by Shridhar Patil & Aditya New India Publishing Agency
- 7. Krishnaswamy, O.R. Methodology of Research In Social Sciences, Himalya publishing House, 1993

ADDITIONAL READINGS

- 5. Bryman, A. (2016). Social Research Methods. Oxford University Press.
- 6. Bordens, K. S., & Abbott, B. B. (2002). Research design and methods: A process approach. McGraw-Hill.
- 7. Bairagi, V., & Munot, M. V. (Eds.). (2019). Research methodology: A practical and scientific approach. CRC Press.
- 8. Creswell, J. W., & Creswell, J. D. (2017). Research design: Qualitative, quantitative, and mixed methods approaches. Sage publications

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	1	-	-	-	-	-	-	-
CO 2	-	-	-	3	-	-	-	2	
CO 3	-	-	-	-	-	-	3	-	2
CO 4	-	-	-	-	-	-	-	3	-
CO 5	-	-	-	-	-	2	-	-	3

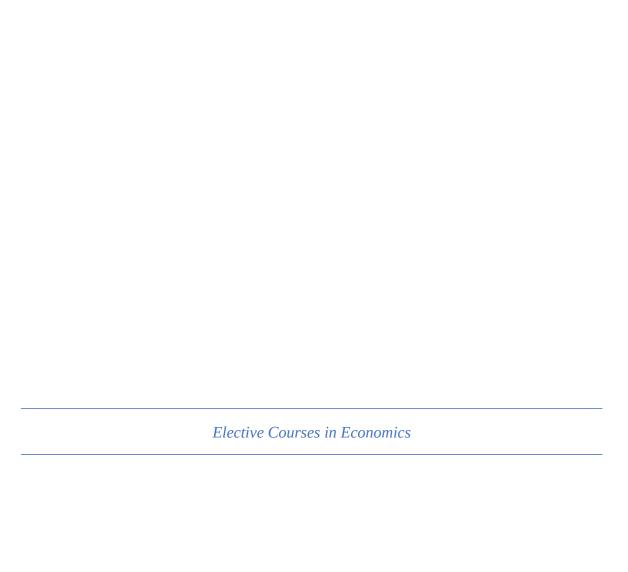
CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	1	/		✓
CO 3	1	✓	✓	✓
CO 4	1	✓	/	✓
CO 5	1	✓	✓	



Programme	B.A. Economics Honours						
Course Title	GENDER ANALYSIS IN ECONOMICS						
Type of Course	Elective	Elective					
Semester	V						
Academic Level	300-399						
Course Details	Credit	Lecture	Tutorial	Practical	Total .		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Basic Economics Co	urse of 200 -	- 299 level		_		
Course Summary	This course provides	a detailed un	derstanding o	of gender equa	ality, gender		
	empowerment strategies, and social security policies that promote						
	gender well-being.						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the basic concepts of gender and gender economics and to recognise the gender mainstreaming initiatives.	U	C	Instructor-created exams / Quiz/Assignment
CO 2	Examine the peculiarities, role and challenges of gender in the labour market participation	E	С	Instructor-created exams / Practical Assignment / Observation of Practical Skills
CO 3	Analyse the basic tools of gender Economics	An	P	Instructor-created exams / Seminar Presentation / Group Discussion
CO 4	Develop the attitude and ability to preserve the concept of women empowerment and gender equality in the society.	Ap	Р	Instructor-created exams / Home Assignments
CO 5	Suggest and practice certain measures for protecting gender equality and gender well being	Ap	Р	Writing assignments/Survey/Debate

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Mark			
I	t	Introduction to Gender Economics	12	17			
1	1	Concepts of gender and sex-Femininity and masculinity	12	- 1/			
	2	Definition and Scope of Gender Economics	1	\dashv			
	3	Historical Milestones of Gender Mainstreaming - Global	2				
)	perspective (UNDP measures, UN SDGs, CEDAW etc)	2				
	4	Gender Main streaming efforts in India-73 rd and &74 th amendments of Indian constitution, Gender budgeting, Beti Bachao Beti Padhao, Mahila Shakti Kendra, The National Crèche Scheme, Pradhan Mantri Matru Vandna Yojna, Pradhan Mantri Ujjwala Yojana, Sukanya Samriddhi Yojna (SSY), Skill Upgradation & Mahila Coir Yojna etc.	3				
	5	Gender mainstreaming efforts of Local self-government- WCP, GRC, Jagratha Samithi, Kudumbasree, etc.	1				
	6	Transgender policy of India and Kerala	1				
	7	Demography of female population in India-Age structure, mortality rates, Inter-state variations in sex ratio, Causes of declining sex ratio, Measurement of fertility and its control	3				
II		Gender and Labour Market	12	17			
	8	workforce participation across Gender –Basic Statistics (world	3				
		&India), Contribution of Claudin Goldin-U shape Curve					
	9	Challenges in informal and Formal Economy–Gender Discrimination and Exploitation in the Labour Market	2				
	10	Time use and Indian Time Use survey (1999-2000& 2019) for 3					
	11	assessing women's labour at home and workplace					
	11	Women's Contribution to National Economy in terms of sectoral shares in GDP and employment					
	12	Impact of technology and modernization on women's work	1				
		participation					
	13	Effects of globalization and liberalization on women	1				
III		Tools for Gender Economics	10	15			
	14	Gender Planning-Definition, importance, process and stakeholders	3				
	15	Gender Budgeting: Definition, Importance, process and stakeholders	3				
	16	Gender Auditing: Definition, Importance and process	4				
IV		Tools for Women Empowerment	14	21			
- •	17	Women and education- GER ratio in India -Addressing gender	3	7			
	18	inequalities in education Gender equity in health-access to putrition	2	-			
	19						
	20	Gender equity in Assets -Protection of property rights		2 2			
	21	Crimes against women in India-Basic statistics	3				
	22	Schemes for safety net for women	2	\dashv			
V		Open Ended Module	12				
•	1	Perform Gender auditing of a leading institution	16				
	2	Discuss the reasons for increasing women crimes in Kerala		\dashv			

3	Gender-based discrimination in assets: carry out a local survey	
4	Student led seminar on national and international laws for	
	women's rights	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Sen, Sujatha (2012), Gender Studies- Dorling Kindersley (India) Pvt.Ltd, New Delhi
- 2. Krishna Raj .M, Sudarshan.R.M, and Shariff.A (1999), *Gender, Population and Development*, Oxford University Press, New Delhi
- 3. Ellina Samantroy (2022), *Women's Paid and Unpaid Work: Insights from the Time Use Survey and Methodological Issues*, V.V. Giri National Labour Institute, Noida, U.P.

ADDITIONAL READINGS

- 1. Sen, Suvarna (2006), Gender and Development, ICFAI University Press, Hyderabad.
- 2. Dutta, Nandita and, Sumitra Jha (2014), *Women and Rural Development*, Pacific Books International Delhi.
- 3. Jitendra Ahirrao (2013), *Entrepreneurship and Rural Women in India*, New Century Publications, New Delhi.
- 4. A. Venkateswarlu, et al. (2013), Dimensions *of Female Sex Ratio: Interstate Variations in India*, Serials Publications. New Delhi.
- 5. Desai, N and M.K Raj (1974), Women and Society in India, SNDT University, Mumbai.
- 6. Sen, Amartya. (1990), *More than 100 million Women are Missing*, New York Review of Books, vol.37, No.20, 1990.
- 7. Govt.of India (2009), *Gender Equality and Women Empowerment in India*, National Family Health Survey 2005-06 (NFHS-3), IIPS, Mumbai.
- 8. John Mary. E (1996), Gender and Development in India, EPW, 31(47), PP 3071-77).
- 9. Pal, Manoranjan et.al (Ed) (2011), *Health*, *Nutritional Status and Role of Women in India*, Oxford University Press, New Delhi.
- 10. E Boserup (1970), Women's Role in Economic Development, George Allen and Unwin, London.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	1	-	2	-	-	ı	-
CO 2	1	2	-	3	-	-	2	-	-
CO 3	-	-	1	3	-	-	2	-	-
CO 4	-	-	-	2	-	-	3	2	-
CO 5	-	-	-	-	-	2	3	3	-

CORRELATION LEVELS:

Level Correlation			
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar/ Survey
- Internal Exam
- Practical AssignmentsFinal Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	>		✓
CO 2	✓	√	✓	√
CO 3	✓	✓	/	✓
CO 4	✓	√	1	√
CO 5		√	1	

Programme	B.A. Economics Honours						
Course Title	ENVIRONMENT AND SUSTAINABLE DEVELOPMENT						
Type of Course	Elective	Elective					
Semester	V						
Academic Level	300 – 399	300 – 399					
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	ı	60		
Pre-requisites	Economics Course of	200 – 299 le	evel		•		
Course Summary	This course explores the relationship between environment and						
	economy and through which students put forward various sustainable						
	development models						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO	Understand the concept of	U	С	Instructor-
1	environmental economics and its			created exams /
	importance			Quiz
CO	Analyze various theories on	Ap	P	Practical
2	environmental economics and			Assignment /
	related concepts			Observation of
				Practical Skills
CO	Evaluate the problem of pollution	U	P	Seminar
3				Presentation /
				Group
				Discussion
CO	Apply the theoretical knowledge in	Ap	С	Instructor-
4	reducing environmental			created exams /
	degradation			Home
				Assignments
CO	Assess various environmental	U	F	Writing
5	issues			assignments
CO	Create/ suggest various sustainable	Ap	P	Visiting and
6	development models			writing reports

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

Unit		Content	Hr s	Marks	
I		Environment and Economy	12	17	
	1	The Environment and Economy- meaning and scope of environmental economics-	3		
	2	Major environmental problems, types of pollutions, Global warming and Ozone depletion.	3		
	3	The environmental Kuznet curve-	3		
	4	Limit to growth theory- Green GDP	3		
II		Externalities and Regulations	15	22	
	5	Market failure and causes	2		
	6	Kinds of Externalities	1		
	7 Negative externalities and inefficiency				
	8	Positive externalities and inefficiency	1		
	9	Regulating externalities -prices- Fixing Emission standard and Emission Fees, Tradeable emission permits, recycling	4		
	10	Pigouvian taxes	1		
	11	Optimum level of pollution control	2		
	12	Property rights and Coase Theorem	3		
III		Measuring Environmental Values	10	15	
	13	Environmental impact assessment- preventive expenditure technique- replacement cost technique- travel cost method-contingent valuation	4		
	14	National income accounting for the environment	2		
	15	The harvesting of renewable resources and maximum sustainable yield	2		
	16	Non-renewable resources and optimal depletion	2		
IV		Sustainable Development	11	16	
	17	Sustainable development: concepts and practices- measurement	4		
	18	Earth summits	1		
	19	Sustainable developmental goals	1		
	20	Agenda 21	1		
	21	Sources and use of non-conventional and renewable energy	2		
	22	Organic farming	2		
V		Open ended Module	12		
		Report on waste management by visiting local dumping yards of the local			
		self-governments- report should contain the assessment and measurement			
		of pollution- suggestion to reduce the problems related to waste			
		management. or			
		Visit organic farm houses and make report on its economic side			

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed 134

modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

- 1. Charles D Kolstad, (2010). *Intermediate environmental economics*, 2nd ed. Oxford University Press.
- 2. Robert Pindyck and Daniel Rubinfield, (2019). Micro Economics. Pearson, 8, 657-671
- 3. A.P. Thirlwall, Growth and Development, 8th Edition, Palgrave, macmillan.
- 4. T. Eugin, (2014). Environmental economics, Vrindavan publications, Delhi

ADDITIONAL READINGS

- 1. Aldy, J. et al. (2010). Designing climate mitigation policy. *Journal of Economic Literature*, 48, 903-934.
- 2. Cropper, M., Oates, W. (1992). Environmental economics: A survey, *Journal of Economic Literature*, 30, 675-740.
- 3. Heal, G. (2012). Reflections defining and measuring sustainability. *Review of Environmental Economics and Policy*, 6, 147-163.
- 4. Newell,R.,Pizer,W.,Raimi,D.(2013).Carbonmarkets15yearsafterKyoto: Lessons learned, new challenges *.Journal of Economic Perspectives*,27, 123-46.
- 5. Perman, R., Ma, Y., Mc Gilvray, J., Common, M.(2011). *Natural resource and environmental economics*, *3rd ed*. Pearson Education/Addison Wesley.
- 6. Stavins, R. (ed.)(2012). Economics of theenvironment:Selectedreadings,5th ed. W. W. Norton

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2
CO3	3	-	-	1	-	-	-
CO 4	-	3	1	2	-	-	3
CO 5	3	-	-	-	-	-	2
CO 6	-	2	2	3	3	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	/		✓
CO 2	✓		✓	✓
CO 3	✓	/		✓
CO 4	✓	✓		✓
CO 5		√	1	
CO 6			1	

Programme	B.A. Economics Hon	ours			
Course Title	ECONOMIC DATA	BASE MAI	NAGEMENT	Γ	
Type of Course	Elective				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Intermediate Level Economics Courses of 200 – 299 level				
Course Summary	Explore the intersection of economics and database systems, covering				
	data sources, case stu	dies, and eco	nomic analys	sis.	

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the fundamentals of database management and its importance in economics	U	С	Instructor-created exams / Quiz
CO 2	Learn how to query a database to extract relevant economic data	U	С	Seminar Presentation / Group Discussion
CO 3	Check reliability and quality of data	E	P	Seminar Presentation / Group Discussion
CO 4	Comparison of different data sources	An	P	Instructor-created exams / Home Assignments
CO 5	Develop skills in data analysis using database tools and technologies	Ap	P	Practical Assignment / Observation of Practical Skills

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

 $^{\#\ -\} Factual\ Knowledge\ (F)\ Conceptual\ Knowledge\ (C)\ Procedural\ Knowledge\ (P)$

Module	Uni	Content	Hr	Marks
	t		S	
I		Introduction to sources of data	15	22
	1	An introduction to the role of data in economic history-the	5	
		physiocrats- Quesnay- Hume- William Petty- Kuznets		
	2	Modern data sources	2	
	3	Scale of measurement	2	
	4	Data transformations; level v/s growth rates	2	
	5	Sources of data	1	
	6	Data reporting delay	1	
	7	Length of data	1	
	8	Accuracy of data	1	
II		India's specific data sources	15	22
	9	The role of National Sample Survey Organisation	1	
	10	Central statistical organization	1	1
	11	Annual Survey of Industries	1	1
	12	RBI- Handbook of Statistics on Indian Economy	2	
	13	SEBI handbook of statistics	2	-
	14	Data set- Employee Provident Fund Organization	2	-
	15	Ministry of Corporate affairs	2	-
	16	Database on Indian economy - Census dataset- open government data		1
		platform in India	2	
	17	National family health survey	2	-
III	1,	Global data sources	8	12
	18	UN data- monthly -Monthly bullets of statistics-SDG indicators- UN	4	
		comtrade data base-UN conference on trade and development- Climate	•	
		change indicators- dashboard		
	19	International financial statistics- financial access survey- government	4	-
	15	finance statistics- the World bank data catalogue- the global index data	•	
		base- Federal Reserve economic data base (FRED)		
IV		Case studies and controversies	10	14
-,	20	The minimum wage controversy-the backward bending supply curve	4	
		for labour- GDP calculation-Inflation Calculation-Purchasing Power	•	
		Parity calculations		
	21	Reinhart-ROGOFF controversy- public data manipulation	3	1
	22	Greece's public deficit figures-controversies about Argentina's	3	1
		inflation statistics- the Brazilian fiscal pedaling- limitations of publicly		
		available data (case studied of relevant economies)		
V		Open ended module	12	
•		Discussion on reliability of data from different sources		
		Practical Assignments to extract data from various sources		
		Seminar on the influence and value of data-based evaluation of		
		different schemes, situations and problems		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22

units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Koop, Gary. Analysis of economic data. John Wiley & Sons, 2013. (All modules)

ADDITIONAL READINGS

- 1. Kirkpatrick, Charles D. Time the Markets: Using Technical Analysis to Interpret Economic Data. FT Press, 2012.
- 2. Winston, Wayne L. Data Analysis and Business Modeling with Microsoft Excel. Microsoft Press, 2004.
- 3. Gujarati, Damodar N., and Dawn C. Porter. Basic econometrics. McGraw-hill, 2009.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	ı	-	-	-	-	-	-
CO 2	3	ı	ı	2	ı	-	2	ı	1
CO3	ı	ı	ı	ı	ı	-	3	1	-
CO 4	3	ı	ı	1	ı	-	ı	ı	-
CO 5	-	-	-	3	-	_		2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO3	✓	✓		✓
CO 4	✓	✓		✓
CO 5			1	

Programme	B.A. Economics Hon	ours			
Course Title	ECONOMICS OF I	LABOUR M	ARKET		
Type of Course	Elective				
Semester	V				
Academic Level	300 - 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-		60
Pre-requisites	Course on Microecor	nomics and M	1acroeconom	nics of level 20	00 - 299
Course	This course explores	the intricate	dynamics of	labour marke	ts, providing
Summary	students with a con	students with a comprehensive understanding of the functioning of			
	labour markets, a	labour markets, and covering fundamental concepts, historical			
	development, labour	market outco	mes and con	itemporary iss	ues.

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO	Understand the basic concept of	U	С	Instructor-
1	labour economics, labour markets			created exams /
	and labour force participation.			Quiz
CO	Analyze theories of labour	An	P	Practical
2	supply, labour demand and wage			Assignment
	discrimination			
CO	Evaluate wage determination in	Е	F	Seminar
3	different market conditions and			Presentation /
	the impact of labour unions			Group Discussion
CO	Apply the theories and contribute	Ap	P	Instructor-
4	to better labour market outcomes.			created exams /
				Home
				Assignments
CO	Create critical thinking on labour	Ap	F	Viva Voce
5	unions, collective bargaining and			
	Govt Employment Programmes			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e				
I		Labor Market and Labour Supply	10	14
	1	Labour Market and the Economy - Unique features of	1	
		Labour market		
	2	Evolution of Labour Market Theory-Labour market	2	
		Process.		
	3	Labour Supply-The Theory of Labour/Leisure Choice-	2	
		Income taxes and Labour supply		
	4	Supply of Salaried and Contract Labourers- Labour	2	
		Supply Curve.		
	5	Labour Force Participation- Its Measurement-	3	
		Convergence of Participation Rates		
II		Labour Demand	15	23
	6	Demand for Labour in the Short Run -Marginal Productivity Theory of Labour Demand with its	3	
		criticisms		
	7	Product Demand and Labour Demand	1	
	8	Short-run Equilibrium in Labour Demand	2	
	9	Elasticity of Demand for Labour	3	
	10	Demand for Labour in the Long Run- Long Run	2	
		Equilibrium -		
	11	Determinants of Elasticity of Labour Demand-	4	
		Technological Change and Labour Demand.		
III	Wag	e Determination, Wage Differential and Discrimination	15	23
	12	Wage Determination in Competitive Markets-Law of	1	
		One Wage		
	13	Wage Determination in Monopsony Market	1	
	14	Minimum wage	1	
	15	Efficiency wage Theory	2	
	16	Compensating Wage Differentials	1	
	17	Hedonic Theory of Compensating Wage Differentials	1	
	18	Economics of Employee Benefits	1	
	19	Issues of Occupational Segregation-Duncan Index	3	
	20	Discrimination in the Labour Market-Theories of	4	
		Labour Market Discrimination -Measurement of		
		Discrimination.		
IV		Union Membership and Collective Bargaining	8	10
	21	Type of Labour Unions- The Determinants of Union	4	
		Membership: Demand and Supply Model -Equilibrium		
		level of Union Membership.		
	22	The Union-Management Bargaining Process-Contract	4	

	Zone-Union and Employer Reaction Function-		
	Bargaining Process Outcomes		
V	Open ended module	12	
	Discussion : Measurement, Types of Unemployment and		
	Causes of Unemployment		
	Practical Assignments on Unemployment Statistics of		
	India and Kerala		
	Seminar on Government Employment Programmes		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Kaufman,B,E(2003).The Economics of Labour Markets.Thomson South Western (Module I,II,II, and IV)

ADDITIONAL READINGS

- 1. Borjas, G.J. (2020). Labour Economics. Mcgraw-Hill.
- 2. Boeri, T., & Ours, J. (2008). The Economics of Imperfect Labor Markets, Princeton University Press
- 3. Junankar, P. (2016). Economics of Labour Market. Palgrave.
- 4. Sapsford, D., & Tzannatos, Z. (1993). The Economics of Labour the Market.
- 5. Fine, B. (1998). Labour Market Theory: A Constructive Reassessment. Routledge.
- 6. McConnel, C.,Brue,S.,&Mac,D.(2017).Contemporary LabourEconomics. McGraw-Hill Education
- 7. State planning Board, Economic Review, Thiruvananthapuram
- 8. https://mospi.gov.in>nsso-reports
- 9. https://dbie.rbi.org.in/#/dbie/home

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	3	-	2	1	-	2	-	-
CO 3	_	3	-	2	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		1
CO 2	1	✓	1	1
CO 3	1	✓	✓	✓
CO 4	1	1	1	1
CO 5	1	1	1	

Programme	B.A. Economics Hon	ours					
Course Title	HEALTH ECONOMICS						
Type of Course	Elective						
Semester	V						
Academic Level	300 - 399	300 - 399					
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-		60		
Pre-requisites	Microeconomics cou	rse of 200 – 2	299 level		-		
Course Summary	This course seeks bas	sic information	on about heal	th economics	, supply and		
	demand for health ca	demand for health care, Health Insurance and Economic Evaluation of					
	Health Interventions.						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic concepts of health economics.	F	C	Instructor-created exams / Quiz
CO2	Comparison of determinants of demand and supply of health care.	An	Р	Practical Assignment
CO3	Able to evaluate proper health insurance policies	Ap	F	Seminar Presentation / Group Discussion
CO4	Able to track down emerging health interventions in the international, national and state level	Ap	С	Instructor-created exams / Home Assignments
CO5	Create the opportunity to develop awareness regarding health care around us	Е	M	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	D SYLL Unit	Content	Hrs	Marks
e				
I		INTRODUCTION TO HEALTH ECONOMICS	12	19
	1	Definition and scope of health economics	1	
	2	Significance of Health Economics	1	
	3	Essential features of health economics	1	
	4	health indicators-mortality, morbidity, birth rate, death rate, IMR, CMR, MMR, Disability Adjusted Life year (DALY), Quality Adjusted Life Year (QUALY)	5	
	5	Sex ratio	1	
	6	Value of life; Determinants of good health	1	
	7	Measurement of health status.	2	
II		SUPPLY AND DEMAND FOR HEALTH CARE	15	23
	8	Demand and Supply of health care	1	
	9	Characteristics of demand and supply of health	1	1
	10	Demand for health and demand for medical care.	3	
	11	Nature of demand for health- Determinants of demand for health	2	
	12	Supplier induced demand; health as a form of capital.	3	
	13	Supply of health care-Determinants of supply of health care	2	
	14	Pricing of health care.	3	
III		MARKET FOR HEALTH INSURANCE	10	14
	15	Economics of health insurance- Demand for health insurance	1	
	16	setting insurance premium	1	
	17	Insurance concepts -Co-payments. Co-insurance rates, deductibles. Method of pricing insurance;	3	
	18	Health insurance challenges: Information asymmetry – Adverse selection -Moral hazard;	3	
	19	Private vs social health insurance.	2	
IV		ECONOMIC EVALUATION OF HEALTH INTERVENTIONS	11	14
	20	Evaluating Health Intervention- Direct and indirect costs of healthcare	2	
	21	Issues in the measurement of cost; Purpose and methods of evaluating a health intervention	4	
	22	Health policy of WHO - National health policy- NRHM-Health as a State subject.	5	
V		Open Ended Module	12	
	1	An overview of the health scenario in India and Kerala		
	2	Indian health care sector; Health Scenario in India and Kerala- issues – Kerala model of health.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. V Ramankutty- A Premier of Health System Economics (2007)

ADDITIONAL READINGS:

- 1. Dewar Dianne M (2010): Essentials of Health Economics, Jones and Bartlett Publishers,
- 2. Feldestein Paul J (1999): Health Economics, Albany, NY: Delmar Publication Learning
- 3. Getzen Thomas E (2013): Health Economics and Financing, Wily
- 4. Park K (2011): Preventive Medicine, Banarsidas Bhanot Publications, Jabalpur.
- 5. Phelps Charls E (2016): Health Economics, Routledge, New York Dewar M Diane :Essential of Health Economics
- 6. Santrre E Rexford and Neun Stephen : Health Economics: Theory, Insights and Industry Studies, South Western Cengage Learning
- 7. V Ramankutty- A Premier of Health System Economics (2007)
- 8. Kannan K P,et al (1991)- Health Development in Rural Kerala-(KSSP,Thiruvanthapuram).
- 9. Henderson J W- Health Economics and Policy -Thomson Learning.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	3	-	2	-	1	2	1	-
CO 3		2	1	2	-		-	2	-
CO 4	-	3	2	3	-	2	3	3	2
CO 5	3	-	-	-	-	2	2	1	1

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓	✓	✓	✓
CO 3	✓	/	✓	✓
CO 4	✓	√	√	/
CO 5	✓	✓	✓	

Programme	B.A. Economics Hon	ours			
Course Title	HUMAN CAPITAL	AND ECO	NOMIC DE	VELOPMEN	ΙΤ
Type of Course	Elective				
Semester	V				_
Academic Level	300 - 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Course on Intermedia	te Economic	s of level 200	0 - 299	
Course Summary	This course explores	the intersec	tion between	developmen	t economics
	and the economics of	human capit	al	_	

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the relationship between human capital and economic development	U	С	Instructor-created exams / Quiz
CO 2	Analyze the various theories of human capital and economic development	An	Р	Practical Assignment
CO 3	Evaluate the different theoretical models	Ap	F	Seminar Presentation / Group Discussion
CO 4	Apply the theoretical models to real situations	Ap	С	Instructor-created exams / Home Assignments
CO 5	Create empirical research models	С	Р	Viva
CO 6				

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hr	Marks				
	t		S					
I		10	15					
	1	Human Capital : Definition and Concepts	2					
	2	Relation between Human Capital and Economic Development	2					
	3	Measurement of Human Development HDI and India						
	4	HDI and India	2					
	5	Problems of Human Capital Formation	2					
II		Theoretical Aspects	12	20				
	6	Solow Model and Effective Capital	2					
	7	2						
	8	Solow Residual	2					
	9	Research on Human Capital and Economic Growth	3					
	10	India's Experience	3					
III		12	20					
	11	Theoretical models on Human capital and Economic Growth	3					
	12	Human Capital formation	2					
	13	Endogenous growth models	2					
	14	Multiple equilibrium and Non-linearity in Human Capital and Economic growth	3					
	15	Overlapping Generations model- Paul Samuelson & Peter Diamond	2					
IV		Empirical Aspects	14	15				
	16	The Empirics	2					
	17	Linear and Non-linear Specifications	2					
	18	Non –parametric method and their application	2					
	19	Migration and regional economic growth	3					
	20	Demographic characteristics and economic growth	2					
	21	Economic Policy and Human capital	2					
	22	Human Capital and Development experiences of Kerala	1					
V		Open Ended Module	12					
		Assignments, Empirical studies, Problem Discussion						

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Andreas Savvides and Thanasis Stengos: Human Captal and Economic Growth: Stanford University Press 2009
- 2. A. P Thirlwall: Growth and Development
- 3. Michael P Todaro and Stephen C Smith: Economic Development

4. N Gregory Mankiw: Macro Economics

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	2	-	-
CO 2	-	-	-	2	-	-	2
CO 3	-	2	-	2	-	-	3
CO 4	-	2	-	1	1	-	3
CO 5	-	2	-	1	-	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	>		√
CO 2	1			✓
CO 3	1	1		✓
CO 4	1	√	/	√
CO 5	1	✓	✓	

Programme	B.A. Economics Hon	B.A. Economics Honours						
Course Title	INDUSTRIAL ECO	INDUSTRIAL ECONOMICS						
Type of Course	Elective							
Semester	VI	VI .						
Academic Level	300-399							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours -			
	4	4	-	ı	60			
Pre-requisites	Economics course of	200 – 299 le	vel					
Course Summary	This course is design	ed to explore	e the basic co	ncepts, natur	e and scope,			
	theories and practices of industrial economics in a cogent and analytical							
	manner particularly in	n the Indian o	context.					

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Identify the basic concepts and scope of Industrial Economics	U	C	Instructor-created exams / Quiz
CO 2	Analyse the different forms of organisation and its motives	An	С	Instructor-created exams /Practical Assignment
CO 3	Examine the general determinants and approaches of industrial location and explore the motives of mergers and acquisition	An	С	Instructor-created exams/ Seminar Presentation / Group Discussion/
CO 4	Evaluate the major source of industrial finance, financial statements, Ratio analysis and break-even analysis procedures in the Indian context.	E	p	Instructor-created exams / Home Assignments/ Practical Assignment
CO 5	Analyse basic investment decisions on the basis of project evaluation methods and cost benefit analysis	An	p	Instructor Created exams/Practical Assignment /Writing assignments
CO 6	Access industrial practices prevailing in India on the basis of Industrial policy 1991, Labour rules, Industry innovations, Special economic zone, Ratio analysis and break-even point calculation etc	Ap	P	Debate/panel discussion/ survey /Assignments

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Marks		
	t					
I		Basics and Scope of Industrial Economics	12	15		
	1	Nature and Scope of Industrial Economics	1			
	2	The organizational form and alternative motives of the firm	3			
	3	The concept of Production function and optimal input	3			
	4	Efficiency and Size of the firm	3			
	5	The effect of Firm size on other performance indicators and conduct	2			
II		Industrial Location Analysis	12	15		
	6	The General determinants of industrial location	1			
	7	Geographical approaches to industrial location	3			
	8	Economic theories of industrial location	4			
	9	Operational approaches to industrial location	1			
	10	Industrial location trends in India	1			
	11	Concepts and motives for industrial diversification, vertical	2			
		integration and mergers				
III		Industrial Finance and Accounting	12	20		
	12	Types of finance and Sources of Industrial Finance (internal and external)	2			
	13	Contribution of various sources of finance in Indian Situation	2			
	14					
	15	Assessment of Financial soundness and Ratio analysis	3			
	16	Breakeven analysis and its application in financial management	2			
IV		Investment Decisions	12	20		
	17	Nature and types of Investment decisions	1			
	18	Preparation of time profile of a project	2	•		
	19	Methods of project evaluation	4			
	20	Ranking of projects: NPV vs IRR	1			
	21	Risk and uncertainties in project proposal	2			
	22	Appraisal of public projects: social cost benefit analysis	2			
V		Open Ended Module	12			
	1	Conduct Student-led seminar on New Industrial policy 1991				
	2	Organize discussion on Industry and Innovation (Startup, Unicorn etc.				
	3	Conduct financial ratio analysis and breakeven analysis of selected companies				
	4	Organize a quiz competition on Labour rules in India				
	5	Panel discussion on Special Economic Zones: Progress and problems				

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Barthwal, R.R (2018), *Industrial Economics*, 3RD Revised Edition, New Age International (p) Limited, New Delhi (Module 1,2,3,4&5)
- 2. Prasanna Chandra (1995), Financial Management-Theory and Practice- Tata McGraw Hill, New Delhi (Module 3&4)

ADDITIONAL READINGS

- 1. Hay D A and Morns D J (1979), Industrial Economics: Theory and Evidence, Oxford university Press
- 2. Roger Clarke (1985) *Industrial Economics*, Basil Blackwell, New York.
- 3. Smith D M (1971) *Industrial Location: An Economic and Geographic Analysis* John Wiley, New York.
- 4. Francis Cherunilam (1994), *Industrial Economics: Indian Perspective*, Himalaya Publishing House, Mumbai.
- 5. Uma Kapila (2003), *Understanding the problems of Indian Economy*, Academic Foundation, New Delhi.
- 6. CDS: Balakrishnan P and Pushpangadan K (1994) Total Factor Productivity Growth in Indian Manufacturing: A Fresh Look- Working Paper No. 259, Thiruvananthapuram.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	2	-	2	-	-	-	ı	-
CO 3	-	3	-	2	-	-	-	-	-
CO 4	-	-	-	3	-	-	-	2	-
CO 5	-	-	-	2	-	-	2	3	-
CO 6	-	-	-	-	-	-	2	3	

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Debate/ Discussion / Seminar/Survey
- Internal Exam
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓	/		✓
CO 3	✓	1	✓	✓
CO 4	✓	✓	1	✓
CO 5	✓	√	1	✓
CO 6			1	

Programme	B.A. Economics Honours							
Course Title	AGRICULTURAL	AGRICULTURAL ECONOMICS						
Type of Course	Elective	Elective						
Semester	VI							
Academic Level	300-399							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Economics Course of	200 – 299 le	evel					
Course Summary	This course provide	es an overv	iew of the r	ole of agricu	lture in the			
	economic development, Economics of agricultural production, Pricing							
	of agricultural prod	of agricultural products and the features associated to agricultural						
	productivity and Mar	keting.						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO 1	Understand the basic concepts and models of agricultural economics related to the economic development of a country	U	С	Instructor-created exams / Quiz/ Assignments
CO 2	Analyse the theoretical foundations and optimization strategies of economics of agricultural production	An	С	Instructor-created exams /Practical Assignment
CO 3	Evaluate the behaviour of demand, supply and agricultural product price and judge the relevance of government intervention in the price fixation	E	С	Instructor-created exams /Seminar Presentation / Group Discussion
CO 4	Demonstrate the structure and techniques of agriculture marketing in Indian context	An	С	Instructor-created exams / Home Assignments
CO 5	Analyse the major issues related to Indian agriculture and suggest new policies to overcome the issues associated with the Indian agriculture.	An	Р	Writing assignments/ Survey / Seminar/ presentation/ Group Discussion

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hr	Marks		
	t		S			
I		Introduction to Agricultural Economics	12	20		
	1	Meaning, Nature and Scope of Agricultural Economics.	2			
	2	Role of agriculture in economic development	1			
	3	Models of agricultural development (Schultz, Lewis, Fei& Ranis,	5			
		Mellor, and Boserup)				
	4	Interdependence between agriculture and industry	1			
	5	Terms of trade between agriculture and industry	1			
	6	Types of farming	2			
II		Economics of Agricultural Production	18	25		
	7					
		decreasing production function, Law of variable proportion, and the				
		application of Cobb-Douglas production function in Agriculture				
	8	Factor- Product relationship	2			
	9 Factor-Factor relationship					
	10 Product-Product relationship					
	11	General condition of equilibrium covering all the relationships	2			
	12	Farm budgeting approach	2			
	13	Size of the Farm and Productivity debate	2			
	14	Measures of Farm Efficiency	2			
III		Behaviour of Demand, Supply and Agricultural prices	10	15		
	15	Instability of agriculture-price instability, income instability, inelastic	2			
		demand for and supply of agricultural products and measures for				
		reducing instability in agriculture				
	16	Different views about supply response in agriculture	2			
	17	Objectives and elements of agricultural price policy	2			
	18	Features of an ideal agricultural price policy	2			
	19	Agricultural price policy in India and the need for revision of	2			
		agricultural price policy in India				
IV		Agricultural Marketing	8	10		
	20	Types of agricultural marketing	2			
	21	Efficiency of agricultural marketing and the measures to improve the	4			
		efficiency of agricultural marketing in India				
	22	Measurement of marketable and marketed surplus	2			
V		Open Ended (Arrange any two activities)	12			
	1	Student led seminar on green revolution and ever green revolution				
	2	Discussion on rural unemployment and rural indebtedness				
	3	Assignment on land reforms and its impact on agriculture				
	4	Critically evaluate the role of WTO in Indian agriculture by analysing				
		the reports related to World trade organisation and Indian agriculture				
	5	Organise a debate on Capital formation in Indian Agriculture-Public				
		versus private investment				

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22

units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Soni R N (2013), *Leading Issues in Agricultural Economics*, 10th Edition, Vishal publishing co. Jalandhar. (Module 1,2,3,4&5)
- **2.** Gupta P K (2018), *Agricultural Economics*, 2ND Edition, Vrinda Publications (p)Ltd, Delhi. (Module 1,2,3,4&5)

ADDITIONAL READINGS

- 1. S. Subba Reddy, P. Raghu Ram, T.V. Neelakanta Sastry and I. Bhavani Devi (2012) *Agricultural Economics*, Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi
- 2. S.A.R Bilgrami (2011), *An Introduction to agricultural Economics*, 2ND Edition, Himalaya publishing house, Mumbai.
- 3. Majumdar NA and Kapila Uma (2006), *Indian Agriculture in the New Millennium Changing Perspective and Development Policy*, Vol. I &II, Academic Foundation, New Delhi.
- 4. Vaidyanathan A (2010), *Agricultural Growth in India: The Role of Technology, Incentives and Institutions*, Oxford University Press, New Delhi.
- 5. A.N Agrawal (2006), *Indian Economy; Problems of Development and Planning*,32ND Edition, New Age International (p) Ltd. New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-		
CO 2	1	3	-	1	-	-	1		
CO3	1	2	-	3	-	-	-		
CO 4	1	3	1	2	-	-	-		
CO 5	1	2	-	3	-	-	3		

CORRELATION LEVELS:

Level	Correlation		
- Nil			
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar /Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	1	✓	✓	✓
CO 3	1	✓		✓
CO 4	1	✓	1	✓ /
CO 5		✓	✓	

Programme	B.A. Economics Honours						
Course Title	INDIAN FINANCIA	INDIAN FINANCIAL MARKET					
Type of Course	Elective						
Semester	VI						
Academic Level	300 - 399						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-		60		
Pre-requisites	Basic Economics Co	urse of 200 –	299 level				
Course	This course delves	This course delves into the functioning and intricacies of financial					
Summary	markets, providing students with a comprehensive understanding of						
	fundamental concep	ts, financial	instruments	s, market stri	uctures, and		
	services.						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO	Understand the basic concepts of	U	С	Instructor-
1	financial markets, financial			created exams /
	instruments, and financial			Quiz
	services.			
CO	Analyze theories of market	An	P	Practical
2	efficiency, investment strategies,			Assignment
	and risk management.			
CO	Evaluate the impact of market	E	F	Seminar
3	regulations, financial			Presentation /
	intermediaries, and technological			Group
	advancements on financial			Discussion
	markets.			
CO	Apply financial theories and	Ap	P	Instructor-
4	concepts to analyze market			created exams /
	trends, make investment			Home
	decisions, and manage financial			Assignments
	risks.			
CO	Foster critical thinking on	Ap	F	Viva Voce
5	financial market reforms,			
	corporate governance, and ethical			
	considerations in finance.			
L., D.	1 (D) II 1 (1/II) A 1	(A) A 1	(A) E 1 . (E)	C + (C)

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks				
e -		An Introduction to Indian Financial System	10					
I		10	12					
	1	Financial System- definitions- functions	1					
	2	Key elements of well-functioning financial system	2					
	3	Formal and Informal financial sectors in India - Structures						
	4	Components of Formal Financial Sector in India -	1					
	5	Financial Institutions-	1					
	6	Financial Markets	1					
	7							
	8	Components of Informal financial sector in India	1 1					
I		Indian Financial System - An Overview	15	24				
	9	Phase I - Pre 1951 Organisation	2					
	10	Phase II - 1951 to mid-eighties	3					
	11	Phase III - Post Nineties	2					
	12	Economic Reforms	2					
	13	Financial Sector Reforms	3					
	14	Committees and Recommendations	3					
III		Money Market in India	15	24				
	15	Money Market - Definition- Functions	1					
	16	Role of Reserve Bank of India-	2					
	17	Steps to develop Money Market in India	1					
	18	Money Market Instruments - T-Bills, Commercial	5					
		Papers, Commercial Bills, Certificates of Deposits-Call/Short Notice Money- Collaterised Borrowing and Lending Obligation (CBLO)						
	19	Tools for managing liquidity in Indian Money Market-Reserve Requirements, Interest rates, Prime Lending rate, Bank rate, Refinance from RBI, Liquidity Adjustment Facility, Repos	6					
IV		Capital Market in India	8	10				
	20	Capital Market - Definition- Functions - Components - Capital Market Instruments - History of Indian Capital Market - Reforms in Indian Capital Market	3					
	21	Primary Market and Secondary Market - Instruments, Methods of raising capital, Role of Stock Exchanges - BSE and NSE, Trading Mechanism in Stock Exchanges	3					
	22	Derivative Market – Instruments	2					
V		Open ended module	12					
		Discussion: Stock Indices in India and its Calculations						
		Practical Assignments on Leading companies of India						

and Kerala	I
Seminar on how to participate in Online Trading in	
Indian Capital Market	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Bharati V Pathak (2011). The Indian Financial System Markets, Institutions and Services Dorling Kindersley (India) Pvt Ltd, Licensees of Pearson Education in South Asia(Module I,II,II, and IV)

ADDITIONAL READINGS

- 1. Borjas, G.J. (2020). Labour Economics. Mcgraw-Hill.
- 2. Boeri, T., & Ours, J. (2008). The Economics of Imperfect Labor Markets, Princeton University Press
- 3. Junankar, P. (2016). Economics of Labour Market. Palgrave.
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- 5. Fine, B. (1998). Labour Market Theory: A Constructive Reassessment. Routledge.
- 6. McConnel, C.,Brue,S.,&Mac,D.(2017).Contemporary LabourEconomics. McGraw-Hill Education
- 7. State planning Board, Economic Review, Thiruvananthapuram
- 8. https://mospi.gov.in>nsso-reports
- 9. https://dbie.rbi.org.in/#/dbie/home

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	3	-	2	1	-	2	-	-
CO3	-	3	-	2	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	1	✓	1	✓
CO 3	1	1	✓	1
CO 4	1	1	1	1
CO 5	1	✓	1	

Programme	B.A. Economics Hon	ours					
Course Title	DEMOGRAPHY	DEMOGRAPHY					
Type of Course	Elective						
Semester	VI						
Academic Level	300-399						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Economics Course o	f 200 – 299 l	evel		•		
Course Summary	The course covers the dynamics of population growth, theoretical						
	aspects of population, demographic data sources, empirical and policy						
	implications of demo	graphic issue	es in a develo	ping country	like India.		

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the basic concepts, theories, policies and data sources of demography	U	C	Instructor-created exams / Quiz
CO 2	Analyse the population dynamics with respect to fertility, mortality, nuptiality, migration and urbanisation	An	p	Instructor-created exams/ Practical Assignment /
CO 3	Examine the age and sex composition of population in developed and less developed countries	E	С	Instructor-created exams/ Seminar Presentation / Observation of Practical Skills
CO 4	Evaluate the effectiveness of India's current population policy in addressing the country's demographic challenges.	E	С	Instructor-created exams / Group Discussion Home Assignments/
CO 5	Equip the students with practical skills needed to interpret contemporary demographic issues and to frame suitable demographic policies	C	P	Writing assignments/Group Discussion/ Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	ED SYL Unit	Content	Hrs	Marks
I		Introduction to Demography	12	17
_	1	Nature and scope of population studies, population studies	1	
		and Demography		
	2	Interrelation between Population studies and other Disciplines	1	
	3	Development of population studies	2	
	4	Theories of Population Malthusian Theory, Optimum	4	
		theory of population and theory of demographic transition	4	_
	5	Sources of demographic data in India- Census, Civil Registration System, National Sample Survey, Demographic	4	
		Survey – National Family Health survey (Recent report in		
		detail)		
II		Population Dynamics	16	23
	6	Fertility- Meaning, Fecundity and fertility, sterility, Natural fertility, Factors affecting fertility.	2	
	7	Basic measures of Fertility: crude birth rate (CBR), general	2	
		fertility rate (GFR), child-woman ratio (CWR), Age specific		
		Fertility rate (ASFR), total fertility rate (TFR), gross		
		reproduction rate (GRR), and net reproduction rate (NRR).		
	8	Mortality -Meaning; Sources of mortality Data, Factors affecting mortality	2	
	9	Basic measures of mortality: Crude death rate (CDR), Age	2	
		specific death rate (ASDR), infant mortality rate (IMR),		
		crude mortality rate (CMR), maternal mortality ratio (MMR),		
		Neonatal mortality rate (NMR), standardised death rate (SDR) and Life tables		
	10	Nuptiality- Meaning; Concepts- age at marriage, Synthetic	2	
		and decadal synthetic cohort methods- Mean age at		
		widowhood and divorce- Trends in age at marriage		
	11	Migration: General terms and concepts, types of migration,	3	
	10	factors affecting migration	3	
	12	Urbanization: concept and measurement, Recent trends in urban population.	3	
III		Age and Sex Composition of population	10	15
	13	Age pyramids: types, concepts of stationary, stable and quasi	2	
		- stationary population		
	14	Patterns of sex and age structure in developed and	2	
		developing countries		_
	15	Age and sex structure in India	2	
	16	Benefits and issues associated with Demographic dividend	2	
137	17	Ageing of population	2	15
IV	18	Population policy in India History of Family planning in India	10 2	15
	19	Family Planning Programme— Organisational structure,	3	-
	19	approaches to family planning programme implementation,	J	
		family planning methods and achievements		
	20	The child survival and safe motherhood (CSSM) Programme	2	

	21	Reproductive and child health programme (RCH	1	
	22	National Population Policy 2000	2	
V		Open Ended Module	12	
	1	construct and interpret life tables based upon the latest population data		
	2	Conduct a ward level population survey to identify the age and sex composition of particular locality		
	3	Student-led seminars on key global demographic trends		
	4	Debate on population growth and sustainable development.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

- 1. Asha A. Bhende & Tara Kanitkar (2019). *Principles of Population Studies*. Nineteenth Edition, Himalaya Publishing house, Mumbai (Module 1, 2, 3 & 4)
- **2.** S. N. Agarwala (1997) *India's Population Problems*. Second Edition McGraw-Hill Publishing company Ltd. New Delhi (Module 2,3&4)
- 3. UNCTAD Handbook of Statistics 2023(Module 3, Unit 14)

ADDITIONAL READINGS

- 1. Nancy E Riley & James McCarthy (2003) Demography in the age of postmodern. First Edition, Cambridge University Press, UK
- 2. Srinivasan, K. And A. Shariff (1998), India: Towards Population and Demographic goals, Oxford University Press, New Delhi
- 3. J N Desai M.L Jhingan, B.K Bhatt (2016), 'Demography' Vrinda Publications (P) Ltd
- 4. Government of India: Census of India and Related Monographs and Reports.
- 5. U.N: Methods of Measuring Internal Migration- 1979
- **6.** Bose, A., (1996), India's Basic Demographic Statistics, B. Publishing Corporation, New Delhi

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	3	2	-	2	ı	-
CO3	-	2	-	3	-	-	2	-	-
CO 4	-	1	-	2	-	-	3	3	-
CO 5	-	3	-	2	-	-	1	3	-

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

Quiz / Assignment/ Viva Voce/ Discussion / Seminar

- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	1	1	✓	✓
CO 3	1	✓	✓	✓
CO 4	1	✓		✓
CO 5		✓	1	

Programme	B.A. Economics Honours								
Course Title	BASIC METHODS	BASIC METHODS FOR ECONOMIC RESEARCH							
Type of Course	Elective								
Semester	VI								
Academic Level	300 - 399								
Course Details	Credit	Lecture	Tutorial	Practical	Total				
		per week	per week	per week	Hours				
	4	4	-	-	60				
Pre-requisites	Economics course of 200 – 299 level								
Course Summary	This course seeks basic information about research and its ideas,								
_	literature, formation,	analysis, inte	erpretation, ai	nd presentatio	n.				

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the historical and philosophical ideas of social research.	U	С	Instructor-created exams / Quiz
CO2	Identification of a research problem and analysis of its cause-and-effect relationship.	An	Р	Practical Assignment
CO3	To apply scientific Methods in research.	Ap	F	Seminar Presentation / Group Discussion
CO4	To analyse and interpret data with appropriate tools	Ap	С	Instructor-created exams / Home Assignments
CO5	Create new research tools, concepts, and theories and apply to present world situation.	Е	M	Viva
CO6	ombor (D) Understand (U) A			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Modul e	Unit	Content	Hrs	Marks
I		Fundamentals of Research	11	15
	1	Research- Meaning, Objectives, Importance, characteristics of good research	1	
	2	The relation between theory and research	1]
	3	Research methods v/s Methodology	1	
	4	Types of research– Descriptive v/s Analytical, Applied	4	

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	I			
		v/s Fundamental, Quantitative v/s Qualitative, Conceptual v/s Empirical		
	5	Scientific and Social research	1	
	6	Special features of social research	1	
	7	Different approaches in social research.	1	
	8	The importance of surveying existing literature in	1	
		economic research.	1	
II		Research Design	13	20
	9	Research Formulation – Identifying, defining and	2	
		formulating the research problem		
	10	Importance of literature review in defining a problem -	4	
		Identifying research gap - Development of working		
		hypothesis		
	11	Research design – Basic Principles- Need of research	3	
		design — Features of good research design –		
		Components of Research Design		-
	12	Methods of Research Design- Exploratory, diagnostic	3	
		and experimental studies- Deductive and inductive		
		method- Static and dynamic method- Historical and		
	4.0	dialectical method- Case study method		_
	13	Interdisciplinary research.	1	
III		Sources and Collection of Data	9	13
	14	Execution of the research - Observation and Collection	1	
		of data		
	15	Methods of data collection – Primary data and	1	
		Secondary data		
	16	Primary Data - Meaning, sources, merits and demerits,	5	
		collection of Data - survey method, observation		
		method, Interview method, questionnaires, schedules		
	17	Secondary data – Meaning, sources, merits and	1	
	10	demerits		
TX 7	18	Concepts of Universe, Population and sample.	1	22
IV		Analysis of Data and Presentation	15	22
	19	Data preparation and preliminary analysis - editing,	5	
		coding, data entry, exploring, displaying.		
	20	Examining data - frequency tables, bar charts, pie	4	
		charts, histograms, use of percentages		
	21	Reporting and report writing	1	
	22	Components – prefatory items, introduction,	5	
		methodology, findings, conclusions, appendices,		
		bibliography, referencing and footnotes.		
\mathbf{V}		Open Ended Module	12	
		A 1		1
	1	Application of statistical tools in economic research		
	2	Develop and present a comprehensive economic research paper.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-168

ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. C.R. Kothari, Research Methodology – Methods and Techniques (Second revised edition), New Age International Publishers 2010.

ADDITIONAL READINGS:

- 1. Bryman A. (2012). Social Research Methods, Oxford University Press
- 2. Bernard R. (2013). Social Research Methods: Qualitative and Quantitative Approaches, Sage
- 3. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
- 4. Neumann, W. L. (2007). *Basics of Social Research: Qualitative and Quantitative Approaches*. Boston, MA: Pearson Education.
- 5. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Publications.2 volumes.
- 6. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing.
- 7. Wadehra, B.L. 2000. Law relating to patents, trademarks, copyright designs and geographical indications. Universal Law Publishing.
- 8. Anthony, M., Graziano, A.M. and Raulin, M.L., 2009. Research Methods: A Process of Inquiry, Allyn and Bacon.
- 9. Coley, S.M. and Scheinberg, C. A., 1990, "Proposal Writing", Sage Publications.
- 10. Day, R.A., 1992. How to Write and Publish a Scientific Paper, Cambridge University Press.
- 11. Fink, A., 2009. Conducting Research Literature Reviews: From the Internet to Paper. Sage Publications
- 12. Adler, E. S. And Clark, R. (2011). An Invitation to Social Research. Belmont, CA:
- 13. Cengage Learning
- 14. Babbie, E. (2008). *Basics of Social Research*. Belmont, CA: Thomson Learning. Ch 1-Human Inquiry and Science (pp. 3-31).

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	1	1	-	1	1	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation	
- Nil		
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%) Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	>		✓
CO 2	✓	✓	✓	✓
CO 3	✓	1	✓	✓
CO 4	✓	√	√	/
CO 5	✓	✓	✓	

Programme	B.A. Economics Honours						
Course Title	ECONOMIC GEOGRAPHY						
Type of Course	Elective						
Semester	VI						
Academic Level	300 - 399						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Economics Course of 200 – 299 level						
Course Summary	This course is designed for Economics students interested in						
	understanding the spatial dimensions of economic activities and the						
	impact of geographical factors on economic development. It combines						
	economic theories with a focus on regional disparities, trade patterns,						
	and the role of space in shaping economic outcomes.						

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
C01	To remember the knowledge to key social and economic issues in the context of economic globalisation	R	F	Discussion / Debates
CO2	Understand the basic concepts in Economic Geography	U	С	Instructor-created exams / Quiz
CO3	Analyse and apply key concepts and theoretical approaches in economic geography	An	P	Practical Assignment
CO4	Discuss and critically evaluate these concepts and theoretical approaches	Ap	F	Seminar Presentation / Group Discussion
CO5	Apply these concepts and theoretical approaches to key social and economic issues in the context of economic globalisation	Ap	С	Instructor-created exams / Home Assignments
CO6	Discuss policy options for overcoming inequality and uneven development in the globalising world	Е	М	Viva (C)

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul e	Unit	Content	Hrs	Marks
I		Space and Economy: Some facts	8	12
	1	Spatial Inequalities: A Brief Historical Overview	3	
	2	The Space-Economy and the Industrial Revolution	2	
	3	Regional Disparities: When an Ancient Phenomenon Becomes Measurable	3	
II		Space in Economic Thought	21	31
	4	Economics and Geography: A Puzzling History of Reciprocal Ignorance	3	
	5	Definition of Economic Geography	2	
	6	Nature of Economic Geography	2	
	7	Scope and importance of Economic Geography	2	
	8	Recent trends and approaches in economic geography.	2	
	9	Neo-classical-inspired	2	
	10	Location theory	2	
	11	Marxist-inspired approaches,	2	
	12	Evolutionary and institutionalist inspired approaches,	2	
	13	New economic geography	2	
III		6	9	
	14	Location of Economic Activity-Agricultural Location theory of Von Thunen.	2	
	15	Location of Secondary Activity- Industrial Location Theory of A.Weber and E. Hoover	2	
	16	Location of Tertiary Activity-Contribution of Walter Christaller and August Losch.	2	
IV		New Economic Geography (NEG)	13	18
	17	Emergence of a new global economy -transnational integration and its spatial outcomes.	3	
	18	Core-Periphery Model (Krugman Model)	2	
	19	Baldwin-Forslid Model	2	
	20	Venables Model	2	
	21	Helpman-Krugman Model	2	
	22	Melitz Model	2	
V		Open ended module	12	
		Investigate and analyse economic disparities between two regions using various indicators		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Coe, N.M., P.F. Kelly and H.W.C. Yeung Economic Geography: A Contemporary Introduction. (Oxford: Blackwell, 2007) [ISBN 9781405132190].
- 2. Economic Geography: The Integration of Regions and Nations, Authors: Pierre-Philippe Combes, Jacques-François Thies, Thierry Mayer(2008)

ADDITIONAL READINGS:

Books

- 1. "Geography, Trade and Competition" by Paul Krugman:
- 2. Introduction to concepts in Economic GeographySections from the Dictionary of Human Geography
- 3. Clark, G.L., M.P. Feldman and M.S. Gertler (eds) The Oxford Handbook of Economic Geography. (Oxford; New York: Oxford University Press, 2003) [ISBN 9780199250837].
- 4. Dicken, P. Global Shift: Mapping the Changing Contours of the World Economy. (London: Sage, 2007) fifth edition [ISBN 9781593854362].
- 5. Dicken, P. and P. Lloyd Location in Space: Theoretical Perspectives in Economic Geography. (New York: Harper Collins Publishers, 1990) third edition [ISBN 9780060416775].
- 6. Ellwood, W. The No-nonsense Guide to Globalization. (London: Verso, 2001) [ISBN 9781904456445]. Hudson, R. Economic Geographies: Circuits, Flows and Spaces. (London: Sage, 2005) [ISBN 9780761948940].
- 7. Knox, P. and J. Agnew The Geography of the World Economy. (London: Arnold; New York: John Wiley and Sons, 2008) fifth edition [ISBN 9780340948354].
- 8. MacKinnon, D. and A. Cumbers An Introduction to Economic Geography: Globalization, Uneven Development and Place. (Harlow: Pearson/Prentice Hall, 2007) [ISBN 9780131293168].
- 9. Pike, A., A. Rodriguez-Pose and J. Tomaney Local and Regional Development. (London and New York: Routledge, 2006) [ISBN 9780415357180].
- 10. Sheppard, E. and T.J. Barnes (eds) A Companion to Economic Geography. (Malden, MA: Blackwell, 2002) [ISBN 9780631235798]. Stiglitz, J. Globalization and its Discontents. (London: Penguin, 2002) [ISBN 9780393324396]

Journals

- 1. Amin, A. and N. Thrift 'Neo-Marshallian Nodes in Global Networks', International Journal of Urban and Regional Research (16) 1992, pp.571–87.
- 2. Asheim, B. 'Industrial Districts as "Learning Regions": a condition for prosperity', European Planning Studies 4(4) 1996, pp.379–400.
- 3. Beaverstock, J.V., R.G. Smith and P.J. Taylor 'World City Network: A New Metageography?', Annals of the Association of American Geographers 90(1) 2000, pp.123–34.
- 4. Clark, G. 'Money Flows Like Mercury: The Geography of Global Finance', Geografiska Annaler Vol. 87B (2) 2005, pp.99–112.
- 5. Coe, N.M., M. Hess, H.W.C. Yeung, P. Dicken and J. Henderson "Globalizing" Regional Development: A Global Production Networks Perspective', Transactions of the Institute of British Geographers 29(4) 2004, pp.468–84.

- 6. Graham, S. 'Global Grids of Glass: On Global Cities, Telecommunications and Planetary Urban Networks', Urban Studies 36 (5/6) 1999, pp.929–49.
- 7. Henderson, J., P. Dicken, M. Hess, N. Coe and H.W.C. Yeung 'Global Production Networks and the Analysis of Economic Development', Review of International Political Economy 9(3) 2002, pp.436–64. Hudson, R. 'The Learning Economy, the Learning Firm and the Learning Region: A Sympathetic Critique of the Limits to Learning', European Urban and Regional Studies 6(1) 1999, pp.59–72.
- 8. James, A. 'Demystifying the Role of Culture in Innovative Regional Economies', Regional Studies 39(9) 2005, pp.1197–216.
- 9. MacKinnon, D., A. Cumbers and K. Chapman 'Learning, Innovation and Regional Development: A Critical Appraisal of Recent Debates', Progress in Human Geography 26(3) 2002, pp.293–311. Morgan, K. 'The Learning Region: Institutions, Innovation and Regional Renewal', Regional Studies 31(5) 1997, pp.491–503.
- 10. Smith, A., A. Rainnie, M. Dunford, J. Hardy, R. Hudson and D. Sadler 'Networks of Value, Commodities and Regions: Reworking Divisions of Labour in Macro-regional Economies', Progress in Human Geography 26(1) 2002, pp.41–63

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation		
- Nil			
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓	✓	✓	✓
CO 3	✓	/	✓	✓
CO 4	✓	√	√	/
CO 5	✓	✓	✓	

Programme	B.A. Economics Honours					
Course Title	SOCIAL CHOICE THEORY					
Type of Course	Elective	Elective				
Semester	VIII					
Academic Level	400 – 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	ı	-	60	
Pre-requisites	Course on Microe	conomics and	d Macroecono	omics of level	300 – 399	
Course	This course is intended to introduce various topics in social choice					
Summary	theory, which is a formal analysis of general preference aggregation					
	and voting rules.					

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
C01	To understand the historical background and development of social choice theory.	U	F	Discussion / Debates
CO2	To discuss and develop the concepts in social choice theory.	Ap	С	Instructor-created exams / Quiz
CO3	Demonstrate how individual choices in a society can be aggregated and translated into a collective choice	An	Р	Practical Assignment
CO4	Discuss and critically evaluate the theories in social choice.	Ap	F	Seminar Presentation / Group Discussion
CO5	Examine how collective decision-making processes influence the well-being of society.	Ap	С	Instructor-created exams / Home Assignments
CO6	Empirical analysis of social choice theory in political decision-making processes.	E	M	Project

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul e	Unit	Content	Hrs	Marks	
I		Elements of Social Choice Theory	9	13	
	1	Historical Background and development of social choice theory.	3		
	2	2 A special case with two alternatives- Simple Majority.			
	3	May's Theorem	2		
	4	Condorcet winner criterion	2		
II		General Difficulties of Preference Aggregation	20	29	
	5	Binary relations	2		
	6	Preference Aggregation rule	2		
	6	Arrow's Theorem	2		
	7	Possibilities of preference aggregation	2		
	8	The liberal paradox	2		
	9	The Gibbard-Satterthwaite theorem	2		
	10	The aggregation of welfare measures or qualitative ratings	2		
	11	Sen's extension of Arrow's framework	2		
	12	The aggregation of judgments	2		
	13	The paradoxes of judgment aggregation	2		
III		Voting Rules	10	15	
	14	Majoritarian methods- Sequential majority	2		
	15	Copeland voting rule	2		
	16	Positional Methods- Plurality	2		
	17	Approval Voting	2		
	18	Borda Score Voting rule	2		
IV		LIBERAL PARADOX	9	13	
	19	Sen's Libral Paradox	3		
	20	Gibbard's modification	2		
	21	Escape routes	2		
	22	Game Forms and Liberal Paradox.	2		
V		Open ended module	12		
	1	Social choice in political contexts: Parliamentary systems			
	2	Economic implications of voting rules in legislatures			
		Empirical analysis of political decision-making processes			
		ı			

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Handbook of Social Choice and Welfare edited by Kenneth Joseph Arrow, Amartya Sen, Kōtarō Suzumura
- 2. A.K.Sen (2017), Collective Choice and Social Welfare, Expanded Edition, Penguin.
- 3. A.K. Sen (1983), Choice, Welfare and Measurement, OUP.
- 4. A.K. Sen (1986), *Social Choice Theory* in Arrow and Intrilligator (ed) Handbook of Mathematical Economics, Vol III, North Holland.

ADDITIONAL READINGS:

- 1. Kenneth J. Arrow (1963), *Social Choice and Individual Values*, 2nd ed., Wiley.
- 2. K. Suzumura (1983), *Rational Choice*, *Collective Decisions and social Welfare*, Cambridge University Press.
- 3. Wriglesworth (1985), Libertarian Conflicts in Social Choice, Cambridge University Press.
- 4. M. Richter (1966), Revealed Preference Theory,
 - a. Econometrica.
- 5. M. Richter (1967), Rational Choice in Chipman et al. (ed)
 - a. Preference, Utility and Demand.
- 6. Prasanta K. Pattanaik (1994), Some non-welfaristic issues in Welfare Economics in Dutta (ed) *Welfare Economics*, OUP.
- 7. Gaertner, Pattanaik and Suzumura (1992), Individual Rights Revisited, *Economica*.
- 8. A. Gibbard (1974), A Pareto Consistent Libertarian Claim,
 - a. Journal of Economic Theory.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	/		/
CO 2	✓	✓	✓	√
CO 3	✓	/	✓	✓
CO 4	√	√	✓	√
CO 5	√	✓	✓	

Programme	B.A. Economics Honours					
Course Title	BANKING AND IN	BANKING AND INSURANCE				
Type of Course	Elective	Elective				
Semester	VIII					
Academic Level	400 – 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Economics Course of	200 – 299 le	evel		-	
Course Summary	Students understand the banking and insurance practices. And at the end					
	of the Course student will be able to evaluate banking procedure and					
	also take up job in ba	nks and insu	rance sector.			

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the concept of banking and insurance	Ŭ	С	Instructor-created exams / Quiz
CO2	Analyze various banking services and insurance policies	Ap	P	Practical Assignment / Observation of Practical Skills
CO3	Evaluate different insurance and banking services	U	P	Seminar Presentation / Group Discussion
CO4	Apply the knowledge in day- to-day banking practices	Ap	С	Instructor-created exams / Home Assignments
CO5	Understand the practical knowledge in banking services	Ū	F	Writing assignments
CO6	Prepare students to take up jobs in banking and insurance sector	Ap	Р	Visiting websites to understand and prepare for the examinations for IPBS and IRDA's insurance agent

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul	Unit	LLABUS: Content	Hrs	Marks
e				
I		Types of Banks	14	20
	1	Banks- meaning and economic importance	2	
	2	types of banks- Central Bank- Commercial banks- Development banks,	2	-
		Cooperative banks- Structure and functioning		
	3	Development financial institutions (IFCI, IDBI, IIBI, SIDBI) -	3	
		Specialized financial institutions (EXIM Bank-National Housing Bank-NABARD-MUDRA bank)		
	4	Specialized investment institutions (Pension funds- Hedge funds- Mutual funds-UTI)-	2	
	5	Non Banking Financial Companies-Investment banks-Merchant banks.	5	-
II		Banking Services	10	15
	6	Types of accounts, KYC and Bank account, Loans, Money Transfer,	3	
		Credit and debit cards, Lockers.		
	7	Innovations in Banking Transactions-Mail transfer-Telegraphic	2	
		transfer-MICR clearing- Automated clearing system-Electronic funds		
		transfer-		
	8	Digital payment system- E-banking-Virtual payments systems	1	-
	9	Internet banking- Mobile banking and mobile application, Home banking-Tele-banking-Core banking.	1	
	10	Why is Customer Service Important, key areas of customer's services,	2	
		Customer service strategies in banking sector		
	11	Customer feedback and complaints	1	
III		Banking Sector Reforms in India	10	15
	12	Banking sector reforms since 1991- Context, need and	2	
		objectives-Implementations of the Narsimham Committee		
	4.0	recommendations-	4	1
	13	Issues in banking sector reforms-	1	-
	14 15	Priority sector lending-Asset classification	2	1
	16	Non-performing assets-Capital adequacy norms- Regulation of the banking sector-Board for Financial	2	-
	10	Supervision-Credit Information Bureau of India Limited		
		(CIBIL)-Banking		
	17	Ombudsman-SARFAESI Act.	1	1
IV		Insurance	14	20
	18	Introduction to insurance: Purpose and need of insurance:	2	1
		Insurance as a social security tool		
	19	Insurance and economic development	2	
	20	Fundamental Principles of Insurance, Reinsurance	2	
	21	Types of Insurance: Life Insurance, General Insurance: Marine, Fire, Medical, Health etc.	5	
	22	Actuarial science meaning, Regulatory agencies of insurance in	3	-
		India	4.5	
V		Open ended module	12	1
		Learn about the legal framework within which banks and insurance		
		companies operate.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Sukhvinder Mishra, Banking law and practices, Sulthan chand publishing, New Delhi
- 2. Gordon and Natarajan, Banking-theory, law and practices, Himalaya Publishing house, New Delhi
- 3. M.N Mishra and S.B Mishra, Insurance- Principles and practices, Sulthan chand publishing, New Delhi

ADDITIONAL READINGS

- 1. MH de Kock: Central Banking- Universal Book Stall, New Delhi.
- 2. Meir Kohn(1996):Financial InstitutionsandMarkets-TataMcGrawHill.
- 3. Roger LeRoy Miller and DavidVanHoose (1993): Modern Money and Banking-McGraw- Hill International.
- 4. Mishra M.N: Insurance Principles and practice; S. Chand and co, New Delhi.
- 5. Insurance principles and practice Moorthy.A, Margham publications, Chennai
- 6. Jawed Akhtar and Shabbir Alam: Banking System in India: Reforms and Performance Evaluation-New Century Publications, New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	2
CO3	3	-	-	1	-	-	-
CO 4	-	3	1	2	-	-	3
CO 5	3	-	-	-	-	-	2
CO 6	-	2	2	3	3	-	3

CORRELATION LEVELS:

Level	Correlation	
- Nil		
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	1	
CO 6			1	

Programme	B.A. Economics Hon	B.A. Economics Honours				
Course Title	ECONOMICS OF I	EDUCATIO	N			
Type of Course	Elective					
Semester	VIII					
Academic Level	400 - 499					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Basic Economics Cou	urses of 200 -	- 299 level			
Course	This course provides	an overview	of economi	cs of education	on to lay out	
Summary	the evidence as clearly as possible, note agreements, disagreements, and					
	unresolved points in literature, and to help students develop the tools					
	necessary to draw the	ir own concl	usions.			

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO	To explore the interrelationship	U	F	Instructor-
1	between economics and education			created exams /
	in the modern society			Quiz
CO	To examine the demand, supply,	Ap	P	Practical
2	costs and benefits of education			Assignment /
	within the purview of economic			Observation of
	development			Practical Skills
CO	To understand the economic	U	P	Seminar
3	imperative of manpower planning			Presentation /
	and human resource development			Group
	for a country			Discussion
CO	To get an overview of the	Ap	P	Instructor-
4	education scenario of both India			created exams /
	and Kerala			Home
				Assignments

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

 $[\]hbox{\it\#-Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)}$

DETAILED SYLLABUS:

Module	Uni	Content	Hr	Marks
	t		S	
I		Education, Economics and the Modern Society	10	14
	1	Education in the modern world	2	
	2	Socio-economic significance of education	2	
	3	Economists' perception of education	2	
	4	Education as a public/merit good	2	
	5	Economics of education: The subject matter, framework and	2	
		significance		
II		Education and Economic Development	12	18
	6	Education as the prime mover of modern society Education and economic growth	2	
	7	2		
	8	Indicators of economic and educational development	2	
	9	Stages of economic and educational development	2	
	10	Demand for education and its major determinants	2	
	11	Supply of Education and its major determinants	2	
III		Cost and Benefits of Education	12	18
	12	Education as an investment – Private return and social return	2	
	13	Costs and benefits of education – Direct and indirect social benefits –	4	
		Cost-benefit analysis of education		
	14	Rate of return analysis	2	
	15	Input-output analysis	2	
	16	Wastage and stagnation in education	1	
	17	Educational budgets	1	
IV		Human Capital and Manpower Planning	14	20
	18	Economic imperative of human capital	2	
	19	Human resource development – Process of human resource	5	
		development – Indicators of human resource development –		
	20	Linking education with the economy	2	
	21	Educational planning	2	
	22	Manpower planning – Features and techniques of manpower planning	3	
		and forecasting		
V		Open Ended Module	12	
		Discussion based on the primary, secondary, higher secondary and		
		higher education scenario of India and Kerala		
		Practical Assignments on Initiatives for educational development		
		Seminar on the new education policy and its impacts on the national		
		and regional economy		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

1. Chattopadhyay, S. (2012). *Education and Economics: Disciplinary Evolution and Policy Discourse*. OUP India. (All modules)

ADDITIONAL READINGS

- 1. Lovenheim, M., & Turner, S. E. (2019). *Economics of education*. Worth.
- 2. Brewer, D. J., & McEwan, P. J. (2010). Economics of education. Elsevier.
- 3. Rao, D. P. (2010). Economics of Education and human development in India: Essays in Honour of Prof. K.S. Chalam.
- 4. Akinyemi, S. (2013). *The economics of education*. Strategic Book Publishing.
- 5. Bhat, F. A., & Gull, K. (2018). *An Introductory Economics of Education*.
- 6. Lok, J. (2022). Education How brings economic growth.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	1	-	-	-	-	-	3	-	-
CO 2	-	1	-	-	-	-	2	3	-
CO 3	2	-	-	-	-	-	3	1	-
CO 4	-	-	-	1	2	_	-	3	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		✓
CO 2	1		✓	✓
CO 3	1	/		✓
CO 4	1	√		✓

Programme	B.A. Economics	B.A. Economics Honours					
Course Title	LAW AND ECONOMICS						
Type of Course	Elective						
Semester	VIII						
Academic Level	400 – 499						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Microeconomics	course of 200) – 299 level				
Course Summary	This course prov	vides an intro	oductory expo	sure to law,	legal theory		
	and the way legal system functions and how legal process impact on						
	the efficiency of economic activities/transactions						

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand how the legal aspect influences the economic behaviour and understand major legal traditions, especially in India.	U	C	Instructor-created exams / Quiz
CO2	Conduct economic analysis of law related to the regulation and enforcement of property rights and contracts.	Ap	Р	Practical Assignment /Case Studies in Indian context
CO3	Evaluate relative merits and demerits of various economic analyses of law in property rights and contract law.	U	Р	Seminar Presentation / Group Discussion
CO4	Apply economics in the theory of property rights and contract law.	Ap	С	Instructor-created exams / Home Assignments/Cases in the Indian context
CO5	Create alternative cases in property rights and contract law in the Indian context, with the insights gained from the course, which provide better policy insights.	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in law in the contemporary world.	Ap	Р	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	COURSE CONTENT	Hours	Marks
I		An Introduction to Law and Economics	12	18
	1	Economic analysis of law	1	
	2	Why should Economists study law?	2	
	3	How to analyze legal and economic issues.	2	
	4	The Primacy of efficiency over distribution in analyzing private law	2	
	5	Efficiency criteria – Pareto, Kaldor-Hicks	2	
	6	Nash Equilibrium, Fairness Criteria.	2	
	7	Markets and efficiency and Market failure	1	
II		An Introduction to Law and Legal Institutions	6	10
	8	The Civil law and the common law traditions.	1	
	9	The institutions of Judicial systems in India –	1	
	10	Legal Principles, and the functioning of Legal system	2	
	11	Economic Theory of Legal Process - Sue - Trial –Appeals –	2	
		Judiciary - Lawyers' Profession.		
III		Theory of Property Right	15	21
	12	The Nature and Function of Property Rights -	1	
	13	The origin of institution of property - The Legal Concept of	2	
		Property.		
	14	Enforcement of property rights - Bargaining Theory - An	4	
		Economic Theory of Property –		
	15	Property Rights and Coase Theorem	2	
	16	The Public Use of Private Property	2	
	17	Eminent domain and Regulation of Property –	2	
		Applications.		
	18	An Introduction to Intellectual Property Rights (IPRs).	2	
IV		The Economics of Contract Law	15	21
	19	An Introduction to Contracts	1	
	20	Complete and Incomplete Contracts - The Elements of Valid	3	
		and Invalid Contracts.		
	21	Bargaining theory- Economic Theory of Contract.	6	
	22	Contracts and Efficient Exchange - Legal Remedies as	5	
		Incentives: Applications.		
V		en Ended Module	12	
		ous Case Studies in Economics Property Rights – Various		
	Case	Studies in Economics of Contract		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE

- 1. Cooter, R. and T. Ulen. (2004). Law and Economics, Boston: Pearson Addison Wesley Supplementary Readings.
- 2. Posner, Richard A. (1998). Economic Analysis of Law. (5th edition) Little Brown, Boston.
- 3. Seervai H M (1991) Constitutional Law of India, Vol. 1-3 NM Tripathi.

ADDITIONAL READINGS

- 1. Melvin Aron Eisenberg, The Nature of the Common Law (1989). Harvard University Press, Cambridge.
- 2. Barzel Yoran, The Economics of Property Rights (1988). Cambridge University Press.
- 3. Steven Shavell (2004) "Foundations of Economic Analysis of Law, Harvard University Press: Cambridge MA.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO	PSO6	PSO7	PSO8	PSO9
CO	3	-	-	-	-	-	-	-	-
CO	ı	3	ı	1	ı	ı	2	-	-
CO	3	ı	ı	1	ı	ı	-	-	-
CO	-	3	1	2	-	-	3	-	-
CO	3	-	-	-	-	-	2	-	-
CO	-	2	2	3	3	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		1	✓
CO 3	✓	1		✓
CO 4	✓	✓		1
CO 5		√	1	
CO 6			/	

Programme	B.A. Economics Honours						
Course Title	LOCAL LEVEL PL	LOCAL LEVEL PLANNING					
Type of Course	Elective						
Semester	VIII						
Academic Level	400 - 499						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	ı	60		
Pre-requisites	Economics course of	level 200 –	299		-		
Course Summary	This course explores the importance of Panchayati Raj Institutions, the						
	process of decentralization and the concept of project appraisal as well						
	as the components an	d theories of	local econon	nic developm	ent.		

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand various local government institutions	U	С	Instructor- created exams / Quiz
CO 2	Analyse the role of decentralization process	An	Р	Practical Assignment
CO 3	Evaluate various local development models	Ap	F	Seminar Presentation / Group Discussion
CO 4	Apply the theoretical knowledge to current project appraisal of various kinds	Ap	С	Instructor- created exams / Home Assignments
CO 5	Create complete understanding of the local level planning	U	F	Viva
CO 6				

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Uni	LLABUS: Content	Hr	Marks
Wioduic	t	Content	S	IVICITIES
I		Introduction to Panchayati Raj Institutions	12	17
-	1	Panchayati Raj Institutions- Evolution of Panchayati Raj Institutions in	2	1 -7
		India		
	2	Aims and Objectives of Panchayati Raj Institutions – Functions	3	1
	3	Recommendation of various Committee - Balwant Rai Mehta	3	1
		committee- Ashok Mehta Committee – G V K Rao Committee – L M		
		Singhvi Committee		
	4	Features of Panchayati Raj Institutions	2	
	5	The 73 rd and 74 th Constitutional Amendments	2	
II		The process of Decentralization	9	14
	6	Decentralized Planning in Kerala	2	
	7	How Kerala is Different	1	
	8	History – Evolution – importance of People's plan movement	3	
	9	The role of Kudumbashree	3	
III		The concept of Project Appraisal	12	17
	10	The role of Local Government Agencies (LGAs) in Project Appraisal	2	
		Framework		
	11	Introduction to Project Evaluation	1	
	12	Methods of Project Evaluation – Return on Investment (ROI) – Cost -	5	
		Benefit analysis (CBA) – Net Present Value (NPV) – Internal Rate of		
		Return (IRR) – The Payback Period – Risk Adjusted Discount Rate (RADR)		
	13	Steps to conduct a project evaluation	2	
	14	challenges in Project monitoring and evaluation	2	
IV		The Local and regional Development	15	22
	15	Introduction: Local and Regional Development	1	
	16	what kind of local and regional development and for whom?	2	
	17	Concepts and theories of local and regional development	2	
	18	Traditional model	2	
	19	Pure agglomeration Model	2	
	20	Local community model	2	
	21	Territorial innovation model	2	
	22	Sustainable Development Model	2	
V		Open ended module	12	
		Discussion based on different methods of prevailing project evaluation		
		Practical Assignments to visit the local level institutions to conduct		
		the project evaluation		
		Seminar on the presenting the relevance of best project evaluation methods		
	L	1		1

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

- 1. Isaac, T. T., & Franke, R. W. (2002). *Local democracy and development: The Kerala people's campaign for decentralized planning*. Rowman & Littlefield. (**Module 1 and Module 2**)
- 2. Goel, S. L., & Shalini, R. (2003). *Panchayati Raj in India: theory and practice*. Deep and Deep Publications Pvt. Ltd. (Module 2)
- 3. Harberger, A. C., & Harberger, A. C. (1972). *Techniques of project appraisal* (pp. 1-21). Palgrave Macmillan UK. (**Module 3**)
- 4. Pike, A., Rodríguez-Pose, A., & Tomaney, J. (2016). *Local and regional development*. Routledge. **(Module 4)**
- 5. Kačar, B., Curić, J., & Ikić, S. (2016). Local economic development in theories of regional economies and rural studies. *Економика пољопривреде*, *63*(1), 231-246 **(Module 4)**

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	-	-	2	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	-	-	3	-	3	1	2
CO 5	3	-	1	-	-	-	2	-	-

CORRELATION LEVELS:

Level Correlation				
- Nil				
1	Slightly / Low			
2	Moderate / Medium			
3 Substantial / High				

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓	V	✓
CO 5		√	1	

Programme	B.A. Economics Honours						
Course Title	FINANCE AND TE	FINANCE AND TECHNOLOGY					
Type of Course	Elective						
Semester	VIII						
Academic Level	400 – 499						
Course Details	Credit	Lecture	Tutorial	Practical	Total -		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Financial Economics course of 200 – 299 level						
Course Summary	This course introduces fundamental building blocks of financial						
	technologies and real	-world applic	cations.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	To familiarize the students with the Finance and technological sector	U	С	Instructor-created exams / Quiz
CO 2	It outlines how new technologies are transforming the financial services industry.	An	Р	Practical Assignment
CO 3	Examine the fundamental differences between the traditional and modern financial sectors, focusing on the impact of innovation and technology on business models, products, applications, and customer interfaces.	Ap	F	Seminar Presentation / Group Discussion
CO 4	To explore how AI, machine learning, deep learning, blockchain, and open APIs are applied within the financial technology industry.	Ap	С	Instructor-created exams / Home Assignments
CO 5	To design and implement case study-oriented learning experiences for students, focusing on various sectors of financial technology.	E	M	Viva
CO 6				

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Modul	Unit	Content	Hrs	Marks
e		Introduction	44	4=
I		11	15	
	1	Finance and technology	1	
	3	Finance sector Innovation in Finance	2	
	4	Disruption in Finance	4	
	5	Introduction to the Finance and technology's landscape	2	
	6	Application of Finance and technology	1	
	0	FinTech Architecture and FinTech Technologies	11	15
11	7	Overview of FinTech architecture.	2	13
	8	Importance of Finance and Technological architecture	2	
	9	Features of Finance and Technological architecture	2	
	10	Introduction to Block chain integration in FinTech	2	
	11	Merits and Demerits of Block chain in Fin Tech	1	
	12	Introduction to Open Application Programming Interfaces (APIs).	1	
	13	Exploring the applications of AI and ML in finance	1	
III		India's Fintech Sector	11	15
	14	Overview of various fintech sectors in India	1	
	15	The regulatory framework for fintech in India	1	
	16	Regulatory compliance issues in the Indian fintech space	5	
	17	Trends in FinTech and the Fintech landscape in India	2	
	18	Examining key players, institutions, innovations, and challenges.	2	
IV		India's Fintech Sector - Case studies	15	25
	19	Real Time Payments and Neo Banking	5	
	20	Wealth technology and Insurance technology	4	
	21	Lending and Blockchain	1	
	22	The impact of Fintech on the Financial Inclusion and broader economy	5	
V		Open Ended Module	12	
	1	To take up case studies with respect to the various sectors of Fintech in India		
	2	Describe the role of different technologies in the fintech sector.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Phadke, Sanjay. 2023. Fintech Future: The Digital DNA of Finance Paperback – 23 September.

- 2. Atlantic Singh, Jaspal. 2022. Financial Technology (FinTech) and Digital Banking in India Hardcover 1 November.
- 3. Chishti, S., & Barberis, J. (2016). The Fintech book: The financial technology handbook for investors, entrepreneurs and visionaries. John Wiley & Sons.
- 4. Gyorfi, L., Ottucsak, G., & Walk, H. (Eds.). (2012). Machine learning for financial engineering (Vol. 8). World Scientific.
- 5. Harvey, C. R., Ramachandran, A., & Santoro, J. (2021). DeFi and the Future of Finance. John Wiley & Sons.
- 6. Kube, N. (2018). Daniel Drescher: Blockchain basics: a non-technical introduction in 25 steps: Apress, 2017, 255 pp, ISBN: 978-1-4842-2603-2.
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- 8. Realini, C., & Mehta, K. (2015). Financial Inclusion at the Bottom of the Pyramid. FriesenPress.
- 9. Sironi, P. (2016). FinTech innovation: from robo-advisors to goal based investing and gamification. John Wiley & Sons.
- 10. Cevik, S. (2024). Is Schumpeter Right? Fintech and Economic Growth.
- 11. Baporikar, N. (2021). Fintech challenges and outlook in India. In Innovative strategies for implementing FinTech in banking (pp. 136-153). IGI Global.
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- 13. Kamuangu, P. K. (2024). Advancements of AI and Machine Learning in FinTech Industry (2016-2020).
- 14. Migozzi, J., Urban, M., & Wójcik, D. (2023). "You should do what India does": FinTech ecosystems in India reshaping the geography of finance. Geoforum, 103720.
- 15. Nelaturu, K., Du, H., & Le, D. P. (2022). A review of blockchain in fintech: taxonomy, challenges, and future directions. Cryptography, 6(2), 18.
- 16. Premchand, A., & Choudhry, A. (2018, February). Open banking & APIs for transformation in banking. In 2018 international conference on communication, computing and internet of things (IC3IoT) (pp. 25-29). IEEE.
- 17. Rajeswari, P., & Vijai, C. (2021). Fintech industry in India: the revolutionized finance sector. Eur. J. Mol. Clin. Med, 8(11), 4300-4306.
- 18. Renduchintala, T., Alfauri, H., Yang, Z., Pietro, R. D., & Jain, R. (2022). A survey of blockchain applications in the fintech sector. Journal of Open Innovation: Technology, Market, and Complexity, 8(4), 185.
- 19. Rafay, A. (Ed.). (2019). FinTech as a Disruptive Technology for Financial Institutions. IGI Global.

ADDITIONAL READINGS:

- 1. Inc42. 2023. State of Indian Fintech Report 2023. Available at https://inc42.com/reports/state-of-indian-fintech-report-q1-2023/
- 2. Mordor Intelligence. India Fintech report. Available at https://www.mordorintelligence.com/industry-reports/india-fintech-market
- 3. https://www.ey.com/en_in/financial-services/how-is-the-fintech-sector-in-india-poised-forexponential-growth
- 4. https://www.pwc.in/industries/financial-services/fintech.html
- 5. https://rbsa.in/wp-content/uploads/reports/research-reports/RBSA-Advisors-PresentsFinTech-Industry-in-India-February2021.pdf

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level Correlation		
- Nil		
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		✓
CO 2	✓	✓	✓	√
CO 3	1	✓	✓	✓
CO 4	1	√	√	/
CO 5	1	✓	✓	

Minor Courses in Economics

Programme	B.A. Economics Honours						
Course Title	FISCAL TOOLS FO	FISCAL TOOLS FOR POLICY FORMULATION					
Type of Course	Minor						
Semester	I						
Academic Level	100 - 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	ı	60		
Pre-requisites	Basic Economics Course of 0 – 99 level						
Course Summary	This course explores important Concepts and Instruments of Fiscal						
	policy.						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO	Understand the Concept of Fiscal	U	С	Instructor-
1	Policy			created exams /
				Quiz
CO	Identify Different tools of Fiscal	R	F	Created exams /
2	policy			Quiz
CO	Develop comprehensive analysis of	An	P	Seminar
3	Public Expenditure and its Various			Presentation /
	theories.			Group
				Discussion
CO	Identify different Sources of Public	R	F	Instructor-
4	revenue			created exams /
				Home
				Assignments
CO	Compare Public debt and Private	E	M	Writing
5	dept			assignments
CO	Classify different types of Public	U	С	Viva Voce
6	dept and budget			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

[#] - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M) ,

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I	Fiscal	Policy and Instruments of Fiscal Policy	9	13
	1	Meaning of Fiscal Policy-Traditional View, Modern	1	
		view and Keynes' view on Fiscal Policy		
	2	Objectives of Fiscal policy in developing economies	2	
	3	Major fiscal functions	4	
	4	Instruments of Fiscal Policy	2	
II	Public	Expenditure	7	11
	5	Meaning and types of Public Expenditure	2	
	6	Role of Public Expenditure	1	
	7	Canons Of Public Expenditure	2	
	8	Adolph Wagner Hypothesis, Peacock wiseman	2	
		Hypothesis		
III	Public	Revenue	16	23
	9	Meaning and Sources of Public Revenue.	4	
	10	Concept of Proportional, Progressive, Regressive	2	
		Taxation		
	11	Principles of Taxation	2	
	12	requirements of a Good Tax System	2	
	13	Taxable Capacity	4	
	14	Impact, incidence and Shifting of Taxation (Concepts	2	
		only)		
IV	Public	Debt & Budget	16	23
	15	Meaning and Objectives of Public Debt	2	
	16	Importance of Public Debt	1	
	17	Difference between Public Debt and Private Debt	1	1
	18	Classification of Public Debt	3	
	19	Burden of Public Debt	2	
	20	Concept and Purpose of Budget	2	
	21	Classification of Budget	2	1
	22	Performance and Programme Budgeting System	3	1
		(PPBS), Zero Based Budgeting		
V	Open	ended module	12	
	_	Recent trends in Kerala's expenditure and Public debt		
		defined in Frederica 5 empericance and Facility debt		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. R.K LEKHI(2011)Public Finance,18th Edition(Module 1-4, Except unit3 in the Module 1)
- 2. Dr.S.K SINGH {2014)Public Finance in Theory and Practice Ninth Edition. (3rd unit in Module 1)

ADDITIONAL READINGS

- 1. Dr. S.K SINGH (2014) Public Finance in Theory and Practice Ninth Edition.
- 2. RICHARD.A. MUSGRAVE and PEGGY B MUSGRAVE (2004) Public Finance in Theory and Practice, Fifth Edition
- 3. H.L Bhatia (2012) Public Finance, 27 th Edition.
- 4. B.P Tyagi, Public Finance (2014)
- 5. T.N. Hajela, Public Finance 3rd Edition.
- 6. John Cullis&Philip Jones, Public Finance Public Choice, Analytical Perspectives,3rd Edition.
- 7. Ambar Ghosh &Chandra Ghosh, Public Finance,3rd Edition.
- 8. Rabindra Kr. Choudhury & Reema Choudhury Chakraborty, Public Finance and Fiscal Policy

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	-	-	1	-	-	-	-	3
CO 3	3	-	-	-	-	-	2	3	1
CO 4	3	1	-	-	-	-	1	1	2
CO 5	1	-	-	-	-	-	3	2	-
CO 6	3	3	-	1	1	-	2	3	1

CORRELATION LEVELS:

Level	Correlation	
- Nil		
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	/		✓
CO 2	✓	1		✓
CO 3	✓	1		✓
CO 4	✓	✓		✓
CO 5	√	√		✓ /
CO 6	✓	√		✓

Programme	B.A. Economics Honours					
Course Title	FISCAL POLICY AND STABILIZATION					
Type of Course	Minor					
Semester	II				_	
Academic Level	100 - 199					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	ı	60	
Pre-requisites	Basic Economics Course of 0 – 99 level					
Course Summary	This course explores basic approaches, determinants of Fiscal policy and					
	their role for Econom	ic Growth ar	nd Stability.			

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand different approaches of fiscal Policy	U	C	Instructor-created exams / Quiz
CO 2	Analyze the role of fiscal policy for full employment	An	P	Created Exams/ Quiz
CO 3	Identify the various determinants of fiscal policy for maintaining Economic Growth and stability	R	F	Created Exams, Seminar Presentation / Group Discussion
CO 4	Analyse the role of Multiplier in determination of Fiscal Policy.	An	p	Instructor-created exams / Home Assignments
CO 5	Identify the Key issues in fiscal federalism	U	F	Created Exams, Group discussion.
CO 6	Explain the role and functions of finance Commission.	An	M	Created exams, Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Modul	Unit	Content	Hr	Marks	
е			S		
I		Approaches of Fiscal Policy			
	1	Built In-Stabilisers or Automatic Stabiliser	3		
	2	Compensatory Fiscal Policy	4		
	3	2			
	4	Anti-Inflationary Fiscal policy	2		
II		Fiscal Policy for Full Employment	10	14	
	5	Role of Fiscal Policy for attaining full employment.	3		
	6 Deficit Spending		2		
	7 Deficit without Spending		2		
	8	Balanced Budget Multiplier (Spending without Deficit).	3		

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M),

III		Fiscal policy For Economic Growth	8	12				
	9	Interdependence between Fiscal policy and Economic	3					
		Growth						
	10	Promotion of Investment	1					
	11	Promotion of saving	1					
	12	Role of Multiplier in Determination of Fiscal Policy	3					
IV		Fiscal Federalism	19	29				
	13	Concept of Federalism,	1					
	14	Key issues in Fiscal federalism	2					
	15	<u> </u>						
	16	Economic aspects of Fiscal Federalism	2					
	17	Allocation of Revenue Resources between Centre and States Under the Constitution(Financial relations)	2					
	18	Vertical and Horizontal Fiscal imbalances	1					
	19	Concept and Role of Finance Commission .,	1					
	20	Powers and Functions of Finance commission	3					
	21	Major recommendations of Finance Commissions	3					
	22	1						
V		12						
	Assignments based on seminar Presentation							

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. R.K LEKHI(2011)Public Finance,18th Edition(Module1,2,3)
- 2. Dr.S.K SINGH {2014)Public Finance in Theory and Practice Ninth Edition (Module 4)

ADDITIONAL READINGS

- 1. Dr.S.K SINGH {2014)Public Finance in Theory and Practice Ninth Edition.
- 2. RICHARD.A. MUSGRAVE and PEGGY B MUSGRAVE (2004) Public Finance in Theory and Practice, Fifth Edition
- 3. H.L Bhatia (2012) Public Finance, 27 th Edition
- 4. B.P Tyagi, Public Finance (2014)
- 5. T.N. Hajela, Public Finance 3rd Edition.
- 6. John Cullis&Philip Jones, Public Finance Public Choice, Analytical Perspectives, 3rd Edition.
- 7. Ambar Ghosh & Chandra Ghosh, Public Finance,3rd Edition.
- 8. Rabindra Kr. Choudhury & Reema Choudhury Chakraborty, Public Finance and Fiscal Policy

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	2	-
CO 2	-	3	-	1	-	-	2	2	1
CO 3	3	-	-	-	-	-	-	3	1
CO 4	-	3	-	1	-	-	3	2	-
CO 5	3	3	-	1	-	-	-	3	2
CO 6	3	2	-	-	-	-	-	2	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓	✓		✓
CO3	✓	/		✓
CO 4	✓	✓		✓
CO 5	✓	/		/
CO 6	/	1		/

Programme	B.A. Economics Honours						
Course Title	TAX POLICY IN INDIA						
Type of Course	Minor						
Semester	III				•		
Academic Level	200 – 299						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	ı	60		
Pre-requisites	Economics course of 100 - 199						
Course Summary	This course provides an overview of taxation system in India and utilization of taxation for policy purposes						

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the basic nature of the Indian tax system	U	С	Instructor-created exams / Quiz
CO 2	Analyze the different tax strategies in the Indian Economy	An	Р	Practical Assignment
CO 3	Evaluate the efficiency of the Indian tax structure	Ap	F	Seminar Presentation / Group Discussion
CO 4	Apply the knowledge for tax computation	Ap	С	Instructor-created exams / Home Assignments
CO 5	Create basic skills for an amateur tax practitioner	С	Р	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Modul	Uni	Content	Hrs	Marks	
e	t				
I		Introduction			
	1	History of Tax System in India	2		
	2	Objectives of Indian Tax System	2		
	3	Direct Taxes & Indirect Taxes	3		
	4	Union Taxes and State Taxes, Local Taxes	3		
II		Direct Taxes in India	12	20	
	5	Income Tax Act 1961	2		
	6	6 Computation Of Income Tax in India-			
	7	Recent Changes in Income Tax Calculation in India	2		
	8	Corporate Tax	3		

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	9	Capital Gain Tax	3	
III		Indirect Taxes In India	12	20
	10	Excise Duty	3	
	11	Service Tax	2	
	12	Sales Tax	2	
	13	Customs Duty	3	
	14	Value Added Tax	1	
	15	Issues Of Indirect Taxation System In India	1	
IV		Goods And Service Tax in India	14	15
	16	GST – Definition and Concepts	2	
	17	Supply-Composite and Mixed	2	
	18	Concept Of Interstate and Intrastate	2	
	19	Exemptions From GST	3	
	20	Advantages And Disadvantages of GST	2	
	21	GST Calculation - Basics	2	
	22	Fiscal Federalism and GST	1	
V		Open Ended Module	12	
		Computation of Taxes- Income Tax, GST		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. M Govinda Rao:Changing Countours Of Federal Fiscal Arrangements In India, Amaresh Bagchi(Ed) Readings In Public Finance:Oxford University Press 2005
- 2. Mahesh Purohit: Value Added Tax: Experiences In India And Other Countries: 2

ADDITIONAL READINGS

- 1. Goods And Service Tax In Indai: C A Pritham Mahire, Sulthan Chand Publications 2017
- 2. Singhania, Vinod K And Monica Singhania: Students Guide To Income Tax: University Edition, Taxman Publications Private Limited New Delhi

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	2	-	-
CO 2	-	-	-	2	-	-	2
CO 3	-	-	-	2	-	-	2
CO 4	-	2	-	-	-	-	3
CO 5	-	-	2	-	-	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	√		✓
CO 2	✓			√
CO 3	✓	1		✓
CO 4	✓	✓	✓	✓
CO 5	✓	√	✓	

Programme	B.A. Economics Hon	B.A. Economics Honours					
Course Title	MONETARY TOO	LS FOR PO	LICY FORM	MULATION			
Type of Course	Minor						
Semester	I						
Academic Level	100 – 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	ı	60		
Pre-requisites	Basic Economics Cou	urse of 0 – 99	e level		•		
Course Summary	This course explores the concept of monetary policy, the role of						
	monetary authorities, and to evaluate various tools of monetary policy						
	and its formulation.						

CO	CO Statement	Cognitive Level*	Knowledge	Evaluation
CO	Understand the concept of monetary	U	Category# C	Tools used Instructor-
1	policy			created exams / Quiz
CO 2	Analyse the role of monetary authorities to stabilise the economy	Ap	Р	Practical Assignment / Observation of Practical Skills
CO 3	Evaluate various tools of monetary policy instruments	U	Р	Seminar Presentation / Group Discussion
CO 4	Apply the formulation of monetary policy.	Ap	С	Instructor- created exams / Home Assignments
CO 5	Create complete understanding of the current scenario within the framework of Monetary policy formulation	U	F	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hr	Marks
	t		S	
I		Introduction	14	20
	1	Introduction to Monetary Policy – Meaning and definition of Monetary Policy	2	
	2	Objectives of Monetary Policy	2	
	3	The transmission Mechanism- How Monetary policy influences Aggregate Demand	3	
	4	Theory of liquidity preference	2	
	5	The downward slope of the Aggregate Demand Curve –	2	
	6	Changes in the money supply	2	
	7	Changes in the interest rate	1	
II		Economic Stabilisation – Monetary Policy	15	22
	8	Tools of Monetary Policy	1	
	9	open market operation	1	
	10	changing the bank rate	1	
	11	changing the cash reserve ratio	1	
	12	selective credit controls	2	
	13	Expansionary monetary policy to cure recession or depression	2	
	14	How expansionary Monetary Policy works: Keynesian view	3	
	15	Tight monetary policy to control inflation	2	
	16	How the Tight Monetary Policy works: Keynesian view	2	
III		Monetary Policy – Monetarist View	8	12
	17	Sources of Monetary Mismanagement – variable time lags, interest rate as a wrong target variable	4	
	18	Monetary Rule:	2	
	19	Monetary Policy Prescription	2	
IV		Pre-requisites for Effective Monetary Transmission	11	16
	20	Challenges of Effective Monetary Policy in Emerging Economies	5	
	21	Monetary Transmission in Developing Countries:	4	
	22	Evidence from India	2	
V		Open ended module	12	
		Discussion based on different economic stabilisation policies across countries		
		Seminar on presenting the comparative analysis of monetary policy regimes of various countries		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Mankiw, N. G. (2007). *Principles of Macro Economics*, 4TH EDITION, Cengage Learning. (Module 1)

- 2. Ahuja, H. L. (2022). *Principles of Macroeconomics*. S. Chand Publishing.(Module 2 and Module 3)
- 3. Ghate, C., & Kletzer, K. M. (Eds.). (2016). *Monetary policy in India: A modern macroeconomic perspective*. Springer. (Module 4)

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	-	-	1	-	-	2
CO 3	-	-	-	3	-	3	2
CO 4	-	-	2	3	-	2	3
CO 5	-	-	-	-	-	-	2

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	1		✓
CO 2	✓			✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		✓	✓	

Programme	B.A. Economics Honours					
Course Title	MONETARY POLI	ICY AND ST	FABILIZAT	ION		
Type of Course	Minor					
Semester	II					
Academic Level	100 - 199					
	Credit	Lecture	Tutorial	Practical	Total	
Course Details	Credit	per week	per week	per week	Hours	
	4	4	-	_	60	
Pre-requisites	Macroeconomics cou	rse of 0 – 99	level			
	This course provides			0 1	′	
	in stabilization within the framework of macroeconomic theory. It					
	examines the tools, objectives, and implementation of monetary policy,					
Course Summary	and its effectiveness in achieving macroeconomic stability. The course					
	also explores the relationship between monetary policy and other					
	macroeconomic vari	ables such a	s inflation,	output, emplo	oyment, and	
	economic growth.					

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the concept and objectives of monetary policy	U	С	Instructor-created exams / Quiz
CO 2	Analyze the tools and mechanisms of monetary policy implementation	An	F	Practical Assignment
CO 3	Evaluate the effectiveness of monetary policy in stabilizing the economy.	Ар	F	Seminar Presentation / Group Discussion
CO 4	Apply theoretical concepts to real-world monetary policy issues and challenges	Ap	P	Seminar Presentation / Group Discussion
CO 5	Critically assess the role of central banks in formulating and implementing monetary policy	An	F	Viva
CO 6	Examine the relationship between monetary policy and macroeconomic variables	An	F	Practical Assignment

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
		Introduction to Monetary policy	10	
	1	Definition and objectives of monetary policy	2	
Ι	2	Exchange stabilization Vs price stabilization	3	15
	3	Historical Perspective	2	
	4	Role of Central Banks	3	
		Tools of Monetary policy	10	
	5	Open Market Operations	2	
II	6	Variations in Reserve Requirements	2	15
11	7	Statutory liquidity ratio	2	15
	8	Moral suasion	2	
	9	Selective credit controls	2	
		Fluctuations in price level	18	
	10	Inflation-types and causes	4	
	11	Demand pull inflation and test to indicate its presence	3	25
	12	Cost push inflation and test to indicate its presence	3	
III	13	Inflationary gap	1	
	14	Factors affecting increase and decrease in money income	2	
	15	Measures to control inflation and deflation	2	
	16	Stagflation	1	
	17	Phillips curve	2	
		Monetary Policy Implementation	10	
	18	Transmission Mechanisms	2	
	19	Role of Central Bank Independence	1	
IV	20	Monetary process and stabilization policy	2	15
	21	Lags in monetary policy	2	
	22	Measurement of monetary lags and comparison to fiscal	3	
		policy lags		
		Open Ended Module	12	4
		Discussion on goals of economic stabilisation Practical Assignments to study about the monetary policy and		+
\mathbf{V}		Practical Assignments to study about the monetary policy and macroeconomic stabilization		
		Seminar to present the student's understanding of monetary		-
		policy using a particular economy's experience.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Gyanwaly, R.P. (2014), A Survey on Theories of Inflation: Classical to New Political Macroeconomics. Kathmandu: Sunlight Publication.

ADDITIONAL READINGS

- 1. Gupta, G.S. (2008), Macroeconomics: Theory and Applications (3rd ed.). New Delhi: McGraw Hill Publishing Company Ltd.
- 2. Froyen, R.T. (2003), Macroeconomics: Theories and Politics, (7th ed.). New Delhi: Pearson Education.
- 3. Clower, R.W. (1973), Monetary Theory. England: Penguine.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	-
CO3		2	-	3	-	-	-
CO 4	-	3	1	3	-	2	2
CO 5	3	-	-	-	3	2	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO3	✓	✓		✓
CO 4	✓	✓	✓	✓
CO 5	√	✓	1	1
CO6	/	✓	√	

Programme	B.A. Economics Honours						
Course Title	MONETARY POLICY IN INDIA						
Type of Course	Minor	Minor					
Semester	III						
Academic Level	200 – 299						
	Credit	Lecture	Tutorial	Practical	Total		
Course Details		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Economics Courser of	of level 100 –	- 199		•		
	This course explores	s the role of	central banl	k in an econo	omy and the		
Course Summary effectiveness of monetary policy in achieving economic stability							
	growth				·		

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the objectives, tools, and framework of monetary policy in India.	U	С	Instructor-created exams / Quiz
CO 2	Analyse effectiveness of Indian monetary policy in achieving macroeconomic stability and economic growth	An	F	Practical Assignment
CO 3	Explain the role of the Reserve Bank of India in regulating the financial system and managing currency circulation	Ap	F	Seminar Presentation / Group Discussion
CO 4	Assess the impact of Indian monetary policy on key macroeconomic variables such as inflation, output, exchange rates, and interest rates	Ap	Р	Seminar Presentation / Group Discussion
CO 5	Evaluate the current issues faced by Indian monetary authorities in formulating and implementing monetary policy decisions.	An	F	Viva

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

Modul e	Unit	Content	Hrs	Marks
I		Central Banking and Monetary Policy	12	17
	1	Money supply	1	
	2	Background and objectives of monetary policy	2	
	3	Types of monetary policy	2	
	4	Monetary management in an open economy	3	
	5 Impact of monetary policy on macroeconomic variables			
	6	Limitations of monetary policy	2	
II		Changing Role and Need of Central Banking	12	17
	7	Origin and evolution of central banking	3	
	8	Role of the central bank in India	2	
	9	Need and rationale of a central bank	2	
	10	Autonomy of central banks	3	
	11	Changing contours of the autonomy of the central bank in India	2	
III		Functions and Regulations of Reserve Bank of India	12	18
	12	Functions of the RBI	3	
	13	Recent developments in currency management	2	
	14	Inflation targeting	2	
	15	Demonetization of currency in India	1	
	16	Crypto currencies and Central Bank Digital Currency	2	
	17	New Banking Licensing Policy	2	
IV		RBI's Monetary Policy Committee (MPC)	12	18
	18	Monetary policy in India during the Pre-MPC Period and formation of the MPC	3	
	19	Purpose, Functions, and Constitution of the MPC	2	
	20	Taylor's rule	2	
	21	The correlation between macroeconomic variables and monetary policy in India	3	
	22	Major Acts related to the RBI	2	
V		Open ended module	12	
		Discussion on monetary policy of the Reserve Bank of India in the last Five Years		
		Practical Assignments on recent policy changes announced by the R.B.I		
		Seminar to present contemporary issues in monetary policy management.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Mishkin, F., Eakins, S. (2017). Financial markets and institutions, 8th ed. Pearson.

ADDITIONAL READINGS

- 1. Hajela, T.N., (2009) Money and Banking, Ane Books Pvt Ltd., New Delhi.
- 2. Sundharam KPM, Banking: Theory, Law and Practice, Sultan Chand and Sons, New Delhi (recent edition)
- 3. Khan, M. (2015). Indian financial system, 9th ed. Tata McGraw-Hill.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO 1	3	-	-	-	-	-	-
CO 2	-	3	-	1	-	-	-
CO3		2	1	3	-	1	-
CO 4	1	3	1	3	-	2	2
CO 5	3	-	-	-	3	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO3	1	1		✓
CO 4	1	✓	1	√
CO 5	1	✓	1	√
CO6	✓	✓	✓	

Programme	B.A. Economics Honours							
Course Title	SECTORAL CONT	SECTORAL CONTRIBUTIONS IN INDIAN ECONOMY						
Type of Course	Minor							
Semester	I	I						
Academic Level	100 - 199							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basic Economics course of 0-99 level							
Course	This course explores important sectors in an economy, their trends,							
Summary	and compositions							

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To provide students with an in-depth understanding of the primary, secondary, and tertiary sectors in the Indian economy.	U	C	Instructor- created exams / Quiz
CO2	To analyze the historical evolution and status of each sector and their contributions to the GDP.	An	Р	Practical Assignment / Observation of Practical Skills
CO3	To examine the employment generation and income distribution in each sector.	E	Р	Seminar Presentation / Group Discussion
CO4	To evaluate the challenges and opportunities for each sector in the Indian economy.	Ap	F	Instructor- created exams / Home Assignments
CO5	To encourage critical thinking on emerging sectors and open-ended discussions on their potential contributions.	Ap	F	Writing assignments

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks			
I		Introduction to different sectors					
	1	Overview of the primary, secondary, and tertiary sectors	3				
	2	Historical perspective of the sectoral composition in the	3				
		Indian economy					
	3	Importance of analysing sectoral contributions for	2				

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

		economic planning		
II		Performance of Primary Sector	15	22
	4	Indian agriculture- Role nature and cropping pattern	2	
	5	Trend in agriculture production and productivity	1	
	6	2		
	7	2		
	8	2		
	9	Agriculture price policy	2	
	10	Agriculture subsidy and food security in India	2	
	11	Problems faced by Indian agriculture	2	
III		Performance of the Industrial sector	15	22
	12	Performance of Industries during Plan period	2	
	13	Some basic industries in India- iron and steel, jute, textile,	2	
		sugar, cement		
	14	Role of small scale and cottage industries- Problems faced	3	
		by cottage industries		
	15	Recent industrial policies	2	
	16	Public sector undertakings – role, performance, and problems	2	
	17	Privatisation and disinvestment programmes in India	2	
	18	Problems faced by Indian industries	2	
IV		Performance of the Service sector	10	14
	19	Growth and contribution of service sector in India	3	
	20	Service sector and employment	2	
	21	Information and communication technology	2	
	22	Foreign trade in services	3	
V		Open Ended Module	12	
	1	Discussion based on the new and emerging sectors in the		
		Indian economy		
	2	Assignments on role of different sectors in Kerala		
		economy		
	3	Seminar on contribution of different sectors to National		
		income in the last two years		
	4	Critically evaluate the performance of MSMEs		
	5	Debate on sustainability of service Led Growth		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Uma Kapila, (2018), 'Indian Economy: Performance and Policies, 2018-19', Academic Foundation, New Delhi. (**Module 1,2,3&5**)
- 2. Misra, S. K. and V. K. Puri, (2018) 'Indian Economy', Himalaya Publishing House, Mumbai. (**Module 1,2,3,4&5**)
- 3. Datt, Ruddra and K.P.M, Sundaram, (2017), 'Indian Economy', S. Chand & Company Ltd.,

New Delhi (Module 1,2,3,4&5)

ADDITIONAL READINGS

- 1. Economic Survey of India (1990 onwards)
- 2. Chetan Ghate, The Oxford Handbook of Indian Economy", Oxford University Press
- 3. Chandrasekhar Rao and Mahendra Dev, 2010, Agricultural Price Policy, Farm Profitability and Food Security, EPW, June 26
- 4. Jayati Ghosh (2008) The Indian Economy 1970-2003 pp1027-1045
- 5. Rupa Chanda, 2012, Services Led Growth in New Oxford Companion to Economics
- 6. Jean Dreze and Amartya Sen, 2013, India: An Uncertain Glory, Oxford University Press
- 7. Ashwini Mahajan, Gaurav Datt, (2018) 'Indian Economy', S. Chand and Company, New Delhi.
- 8. Brahmananda, P.R. and V.R. Panchmukhi (Eds.), (2001), 'Development Experience in the Indian Economy: Inter-State Perspectives', Bookwell, New Delhi.
- 9. Gaurav Datt and Ashwani Mahajan, (2016) 'Indian Economy', S Chand Publishing House, New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	-	-	-	-	-	-
CO 2	-	3	_	2	_	-	-	-	-
CO 3	-	3	-	2	2	-	-	-	-
CO 4	-	2	-	2	-	-	2	3	-
CO 5	-	-	-	-	-	-	3	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	\		✓
CO 2	1		✓	✓
CO 3	1	✓		✓
CO 4	1	/		✓
CO 5		√	✓	
CO 6			✓	

Programme	B.A. Economics Honours							
Course Title	INDUSTRIAL POLICIES IN INDIA							
Type of Course	MINOR							
Semester	II	II						
Academic Level	100 - 199							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basic Economics Cou	ırse of 0-99 l	level					
Course Summary	This course seeks to equip students with the knowledge and skills							
	necessary to contribute thoughtfully to discussions on India's industrial							
	landscape, considerin	g both histor	rical context a	and future pos	sibilities.			

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the basic situation of Indian economy.	U	R	Instructor- created exams / Quiz
CO 2	Help the beginning student master the industrial policies for understanding the Indian economy, specific economic issues, and policy alternatives.	U	С	Seminar Presentation / Group Discussion
CO 3	Understand and apply the economic perspective and reason accurately and objectively about economic matters in Indian industry.	Ap	Р	Instructor- created exams / Home Assignments
CO 4	Students will be able to critically evaluate the impact of economic reforms and liberalization measures on India's industrial sector.	An	p	Writing assignments
CO 5	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	С	М	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e				
I		Industrial Development in India	14	20
	1	Extent and Pattern of Industrialisation during the British	2	
		Rule Industrial Scene at Independence		
	2	3		
	3	3		
	4	3		
	5	Trends and Pattern of Industrial Growth	3	
II		Industrial Policies in India	10	15
	6	Industrial Policy Resolutions;	3	
	7	New industrial policy 1991	3	
	8	LPG	2	
	9	MRTP Act	2	
III		Industries in India	10	15
	10	Large scale industries in India	2	
	11	Traditional and Modern industries	3	
	12	SSI in India	1	
	13	SSI Performance in the globalisation era	2	
	14	Industrial sickness in India- definition, magnitude and	2	
		causes		
IV		14	20	
	15	Public verses Private Ownership,	2	
	16	Problems of public sector enterprises	2	
	17	Policy towards public sector since 1991	2	
	18	Privatisation, evolution of privatisation policy in India,;	2	
	19	Proceeds from disinvestment and methodologies adopted	2	
	20	FDI	2	
	21	Disinvestment	1	
	22	Divestment	1	
\mathbf{V}	Ope	n ended Module	12	
		Discussion based on the role of liberalization in shaping the industrial landscape		
		Project to encourage creative thinking and the development of innovative solutions to address future challenges in industrial economy		
		Seminar on strategies for enhancing industrial competitiveness in the global market		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Uma Kapila,(2017) Indian Economy Since Independence 28th Edition (Module 1, 3 and 4)
- 2. Ruddar Datt , K, P, M. Sundharam Indian Economy (Module 1 and 3)
- 3. Misra & Puri *Indian Economy* 25th silver jubilee edition (*Module 2*, 3 and 4)

ADDITIONAL READINGS

1. Ishwar C Dhingra: The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	ı	ı	ı	-	-	ı	-	-
CO 2	ı	ı	ı	3	2	ı	ı	2	-
CO3	ı	ı	ı	1	ı	ı	3	3	-
CO 4	ı	3	ı	ı	ı	ı	3	3	-
CO 5	3	ı	ı	ı	-	ı	2	3	-
CO 6	-	2	-	3	-	-	-	2	3

CORRELATION LEVELS:

Level	Correlation			
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1		>	✓
CO3	1	>		✓
CO 4	1	✓	>	✓
CO 5		√		
CO 6			1	

Programme	B.A. Economics Honours						
Course Title	AGRICULTURAL DEVELOPMENT IN INDIA						
Type of Course	Minor						
Semester	III						
Academic Level	200 - 299						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	ı	-	60		
Pre-requisites	Economics course of	100 – 199 le	vel				
Course Summary	This course explores	the role of	agriculture ii	n economic d	evelopment,		
	the challenges faced by the agricultural sector in India and the policies						
	and technological cha	inges influen	cing agricult	ural growth.			

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the role of agriculture in Indian economy.	U	C	Instructor-created exams / Quiz
CO 2	Help student to identify the stages of agricultural development.	R	F	Assignment / Observation of analysing Skills
CO 3	Critical Assessment of Productivity Issues	An	Р	Seminar Presentation / Group Discussion
CO 4	Formulate recommendations for agricultural policy interventions and their role in fostering technological change	С	M	Instructor-created exams / Home Assignments
CO 5	Evaluate the determinants of agricultural development in India, considering economic, social, and environmental factors	E	M	Writing assignments
CO 6	Apply economics to assess the role and importance of agriculture policy in the Indian economy	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Marks
т	t	Aguinglance and Ferrance D	42	17
I	1	Agriculture and Economic Devel		17
	1	Role of agriculture in development of Indian	2	
	2	economy Features and progress of agriculture,	2	
		Features and progress of agriculture, Linkages between agriculture and other	2	
		sectors		
	3	Three stages of agricultural development	1	
	4	Role of state in different phases of	2	
	_	agricultural development	_	
	5	Measures for Agricultural Development	2	
	6	Determinants of Agricultural Development -	3	
		Technology, Institutional and organization,		
		Capital, Human resources and Natural		
		Resources;		
II	A	gricultural Production and Productivity	12	17
	7	Trends in Agricultural Production and	3	
		Productivity		
	8	, and the second	1	
		Causes of Low Agricultural Productivity in India		
	9		1	
		Measures to increase Productivity		
	10	Cropping Pattern in India, Factors	2	
	11	determining cropping pattern;	2	
	11 12	Land Reforms, Tenancy Reforms	1	
	13	Consolidation of Holdings Land reforms in India and their impact on	2	
	13	agrarian structure	2	
III		Technological Change in Agriculture	12	18
111	14	Strategy for development of Indian	2	10
	1-7	agriculture	_	
	15	Green Revolution	2	
	16	Factors responsible for green Revolution,	2	
		Benefits of Green Revolution		
	17	National agricultural policy	3	
	18	The new economic policy and Indian	3	
		agriculture		
IV		WTO and Indian Agriculture	12	18
	10	WTO and India's trade in Agricultural	3	
	19	WTO and India's trade in Agricultural commodities	3	
	20		3	
	20	Measures taken by India to increase exports	3	
	21	of Agricultural commodities WTO and India's imports of agricultural	3	
	41	commodities, Steps taken by India to reduce	ی	
		TOTAL CONTROL OF THE		

	22	WTO and Agricultural Pricing Policy in India;	3	
V		Open Ended Module	12	
		Discuss the dominance of certain crops in the		
		global market and its impact on local		
		agriculture		
	Survey with local farmers to assess the local			
	agricultural issues in accessing global			
		markets		
		Seminar on the effectiveness of policies in		
		ensuring sustainability of local agriculture		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. R.N. Soni and Sangeeta Malhotra: Leading Issues in Agricultural Economics (Module 1,2,3 and 4)
- 2. SK Misra and Puri : *Indian Economy*, 25th silver jubilee edition, Himalaya Publishing House (Module 1 and Module 2)
- 3. Agarwal A. N.: Indian Economy: Problems of Development and Planning (Module 3 and 4)

ADDITIONAL READINGS

- 1. Ishwar C Dhigra: The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi
- 2. Ruddar Datt , K, P, M. Sundharam Indian Economy

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	3	2	-	1	-	-	-	-	-
CO 3	-	-	-	3	-	-	2	3	-
CO 4	-	2	1	3	-	-	3	3	-
CO 5		2	-	-	3	-	2	3	-
CO 6	-	1	-	2	2	-	3	3	-

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical AssignmentsFinal Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓			✓
CO 3	✓	1		✓
CO 4	✓	✓		√
CO 5		√		
CO 6			✓	

Programme	B.A. Economics Honours							
Course Title	DEVELOPMENT I	DEVELOPMENT ISSUES IN INDIAN ECONOMY						
Type of Course	Minor							
Semester	I	I						
Academic Level	100-199							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basic Economics Course of 0 – 99 level							
Course Summary	This course explores important issues related to Development such as							
	Poverty, Unemploym	ent, Inequali	ty and Inflati	on.				

CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
Help in understanding the major development issues faced by Indian Economy and its historical precedents.	U	C	Instructor- created exams / Group Discussion.
Help in analysing the impact of public policy framed to deal with development issues such as Poverty, inequality in income distribution, unemployment and fiscal deficit.	An	F	Instructor- created exams/ Seminars/ Projects
Help in evaluating the conceptual framework methodology, trends and policy measures adopted regarding the development issues	E	С	Seminar Presentation / Group Discussion
After studying the development issues of Indian Economy, students will be exposed to economic reforms in India and problems of Indian economy	Ap	Р	Instructor- created exams / Home Assignments
Students will learn how to think critically about public policy issues and made capable of measuring poverty and unemployment in a small region	Е	M	Writing assignments/ Group Discussions
	Help in understanding the major development issues faced by Indian Economy and its historical precedents. Help in analysing the impact of public policy framed to deal with development issues such as Poverty, inequality in income distribution, unemployment and fiscal deficit. Help in evaluating the conceptual framework methodology, trends and policy measures adopted regarding the development issues After studying the development issues of Indian Economy, students will be exposed to economic reforms in India and problems of Indian economy Students will learn how to think critically about public policy issues and made capable of measuring poverty and	Help in understanding the major development issues faced by Indian Economy and its historical precedents. Help in analysing the impact of public policy framed to deal with development issues such as Poverty, inequality in income distribution, unemployment and fiscal deficit. Help in evaluating the conceptual framework methodology, trends and policy measures adopted regarding the development issues After studying the development issues of Indian Economy, students will be exposed to economic reforms in India and problems of Indian economy Students will learn how to think critically about public policy issues and made capable of measuring poverty and	Help in understanding the major development issues faced by Indian Economy and its historical precedents. Help in analysing the impact of public policy framed to deal with development issues such as Poverty, inequality in income distribution, unemployment and fiscal deficit. Help in evaluating the conceptual framework methodology, trends and policy measures adopted regarding the development issues After studying the development issues of Indian Economy, students will be exposed to economic reforms in India and problems of Indian economy Students will learn how to think critically about public policy issues and made capable of measuring poverty and

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e			1110	11202220
I	Hi	storical Precedents of Development Issues of Indian Economy	8	12
	1	History of development Issues of Indian Economy	2	
	2	Basic indicators of Development: Real income, Health and Education	2	
	3	Basic issues in economic development	2	
	4	Institutional framework and policy regimes	2	
II		Poverty	13	19
	5	Concepts of poverty- Absolute Measurement of Poverty, Relative measurement of Poverty, Multi - Dimensional Poverty	3	
	6	Poverty Estimation-Poverty Line Calculation- Consumption verses Income levels- Data collection Methods -URP, MRP	4	
	7	Multi-dimensional poverty index.	1	1
	8	Post-Independence Poverty Estimation- Tendulkar Committee (2009) -Rangarajan Committee.	2	
	9	Trends of Poverty	1	
	10	Poverty Alleviation Programmes	1	
	11	Economic Characteristics of High- Poverty Groups	1	
III		Inequality	12	17
	12	Income Inequalities in India -Causes of Income Inequalities in India	2	
	13	Measurements of Inequality-Lorenz Curve- Gini coefficient	2	
	14	The Ahluwalia- Chenery Welfare Index	2	
	15	Trends of Inequality in India.	2	
	16	Government Policy to tackle the problem of inequality	2	
	17	Policy Options on Income Inequality and Poverty	2	
IV	10	Unemployment:	15	22
	18	Types and Structure of unemployment	3	_
	19	Conceptual framework of key employment and unemployment indicators:	4	
	20	Nature and Estimates of Unemployment in India	3	
	21	Government Policy for Removing Unemployment	3	_
	22	Major Employment Programmes	2 12	
V	Fiscal Deficit and Inflation in India, Measurements of Poverty and Unemployment			
		Discussion based on the trends in fiscal deficit and inflation in India	3	
		A simple project for the Measurement of poverty using MRP method in a Ward of LSG	5	
		A simple project for the Measurement of Unemployment in the local territory using any one methodology	5	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Nicholas C. Hope, et al. *Economic Reform in India : Challenges, Prospects, and Lessons*, edited by, Cambridge University Press, 2013. (Module 1)
- 2. <u>V.K. Puri</u>, <u>S. K. Misra</u>, <u>Bharat Garg</u> -. *Indian Economy including Union Budget 2023-24*, 2023, Himalaya Publishing House. (Module 2,3,4 and 5)
- 3. <u>Uma Kapila:</u> *Indian Economy Performance and Policies (23rd edition)*, Academic Foundation. (Module 2,3,4 and 5)
- 4. Singh, Shrawan Kumar. Understanding the Indian Economy from the Post-Reforms of 1991, Volume II: Anatomy of the Indian Economy, Business Expert Press, 2020. (Module 4)
- 5. Michael P. Todaro, Stephen C. Smith: Economic Development (12th edition), Pearson (Module1,2,3 and 4)

ADDITIONAL READINGS

1. Sreenivasan, T., Banerjee, A. V., Bardhan, P., & Somanathan, R. (2019). *Poverty and Income Distribution in India*, Juggernaut.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	2	1	1	1	1	3	ı	-
CO3	-	-	-	2	-	-	3	-	-
CO 4	-	3	1	2	-	-	3	-	-
CO 5	-	3	-	-	2	-	2	3	-

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Field work and project report (20%)
 Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Field work- project	End Semester Examination
CO 1	✓	/		✓
CO 2	✓		✓	✓
CO 3	✓	/		✓
CO 4	✓	✓		✓
CO 5		√	1	
CO 6			1	

Programme	B.A. Economics Honours				
Course Title	TRADE POLICY IN	N INDIA			
Type of Course	Minor				
Semester	II				
Academic Level	100 - 199				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Basic Economics cou	rse of 0 – 99	level		
Course Summary	This course provides students with a comprehensive understanding of the trade policy landscape in India, equipping them with the knowledge				
	and analytical skills necessary to critically evaluate, formulate, and contribute to discussions on trade policies				

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the fundamental principles and historical evolution of trade policy in India.	R	F	Instructor- created exams / Quiz
CO 2	Identify the different phases of India's trade policy development.	U	С	Practical Assignment / Observation of Practical Skills
CO 3	Explain the structural changes in India's foreign trade	An	Р	Seminar Presentation / Group Discussion
CO 4	Apply theoretical knowledge to assess the impact of FDI inflows on specific sectors.	Ap	Р	Instructor- created exams / Home Assignments
CO 5	Evaluate the effectiveness of India's Foreign Trade Policy 2023 in addressing economic challenges.	E	M	Writing assignments
CO 6	Develop recommendations for improving India's trade policies based on the analysis of structural changes.	С	М	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

Metacognitive Knowledge (M)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

Modul	Unit	Content	Hrs	Marks
e				
I		Introduction to Trade Policy in India	15	22
	1	India's trade policy Main features of India's trade policy	2	-
	2	2		
	3	2		
	4	Structural changes in India's Foreign Trade during 1980's and 1990's	3	
	5	Composition of Trade	2	
	6	Direction of Trade	2	
	7	Foreign trade policy 2023	2	
II		India's Balance of Payments	9	13
	8	Balance of Payments,	1	
	9	India's Balance of Payments since 1950	3	
	10	Foreign Exchange Reserves- the theory of reserves and	3	
		the management of reserves;		
	11	Foreign Exchange Rate Policy, Exchange Rate;	2	
III		Foreign Direct And Portfolio Investments	9	13
	12	Evolution of policy regime towards FDI and FPI in	2	
		India,	1	
	13	,		
	14	FDI Inflows and their impact;	3	
	15	FDI Outflows;	3	
IV		WTO and India's Trade Policy	15	22
	16	GATT - its impact on Indian Economy	2	
	17	TRIMS	2	
	18	TRIPS	2	
	19	WTO – origin,	2	
	20	Objective and structure of WTO	2	
	21	India and WTO	2	
	22	Impact of WTO on various aspects of Indian economy	3	
\mathbf{V}		Open Ended Module	12	
		Discussion How SEZs contribute to job creation and		
		technological advancements.		
		Practical Assignments Assess the socio-economic impact		
		of an existing SEZ on the surrounding community.		
		Seminar Identify and analyse the challenges faced by SEZs in various regions.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Uma Kapila,(2017) *Indian Economy Since Independence* 28th Edition (Module 1,2,3 and 4)
- 2. Ruddar Datt , K, P, M. Sundharam *Indian Economy* (Module 1,2 and 4)
- 3. Directorate General of Foreign Trade/ Ministry of Commerce and Industry/GOI <u>www.dgft.gov.in</u> (Module 1)

ADDITIONAL READINGS

- 1. Misra & Puri *Indian Economy* 25th silver jubilee edition Himalaya Publishing House .
- 2. Ishwar C Dhigra: The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	-	-		-	ı	ı
CO 2	-	3	2	-	-	-	2	ı	ı
CO3	-	3	-	2	-	-	2	2	ı
CO 4	-	2	-	2	-	-	3	3	ı
CO 5	-	1	-	2	1	-	3	3	ı
CO 6	-	-	-	2	1	-	3	3	-

CORRELATION LEVELS:

Level Correlation				
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1		1	✓
CO3	1	/		1
CO 4	1	✓		1
CO 5		/	/	
CO 6			1	

Program	B.A. Economics Honours					
Course Title	KNOWLEDGE EC	ONOMY IN	INDIA			
Type of Course	Minor					
Semester	III					
Academic Level	200-299					
Course Details	Credit	Lecture	Tutorial	Practical	Total .	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Economics Course of	100-199 lev	el			
Course Summary	The course emphasiz	es the impac	t of knowled	ge economy o	on economic	
	development, by analyzing the historical evolution of knowledge					
	economy in India, im	economy in India, importance of human capital in knowledge economy,				
	and the role of innova	ation in drivi	ng the knowl	edge economy	у.	

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the concept and characteristics of the knowledge economy.	U	С	Instructor- created exams / Quiz
CO 2	Analyze the impact of brain drain and brain gain on India's knowledge economy.	An	Р	Assignment / Seminar Presentation
CO 3	Evaluate the importance of intellectual property rights in fostering innovation.	E	Р	Seminar Presentation / Group Discussion
CO 4	Apply knowledge economy concepts to real-world scenarios.	Ap	P	Practical Assignments / Case Studies
CO 5	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to address complex economic challenges in the contemporary world.	Ap	Р	Writing assignments/ Survey / Seminar/ presentation/ Group Discussion

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		Introduction to the Knowledge Economy	10	15
	1	Definition and characteristics of the knowledge economy	1	
	2	Evolution of the knowledge economy	2	
	3	2		
		economies		
	4	Global trends and drivers of the knowledge economy	3	
	5	The role of knowledge in economic development.	2	
II		The Knowledge Economy in India	18	26
	6	Emergence and growth of the knowledge economy in India	4	
	7	Key sectors of the Indian knowledge economy: IT, IT-	4	
		enabled		
		services, biotechnology, pharmaceuticals, education, R&D		
	8	The role of government in promoting the knowledge	2	
		economy		
	9	Challenges and opportunities for the Indian knowledge economy	2	
	10	Impact of the knowledge economy on employment patterns and social dynamics in India.	3	
	11	India's position in the global knowledge economy and its competitiveness.	3	
III		Human Capital and the Knowledge Economy	8	12
	12	The importance of human capital for the knowledge	2	
		economy		
	13	Education and skill development in India	2	1
	14	Brain drains and brain gain in the Indian context	2	1
	15	Strategies for developing a skilled workforce for the knowledge economy	2	
	16	Policies and initiatives promoting education and human capital development in India.	2	-
IV		Innovation and the Knowledge Economy	12	17
-,	17	Definition of Innovation and Knowledge	2	1
	18	The role of innovation in 5 key capabilities or 'E's: Enablers, Education, Engagement, Entrepreneurship and Empowerment,	2	
	19	Environment. The Indian innovation ecosystem: startups, incubators, accelerators	2	
	20	Intellectual property rights and innovation	2	†
	21	The role of innovation in driving the knowledge economy	1	1
	22	Challenges and opportunities related to IPR in India.	1	†
V		Open ended module	12	
·	1	Seminar on Building a Sustainable Knowledge Economy in India: Balancing Growth with Equity	12	
	2	Discussion about the Future of the Knowledge Economy in India		
I.	3	Practical Assignments Analyse the impact of India's National		1

	Skill Development Mission and propose improvements to enhance its effectiveness in training and upskilling the workforce for the knowledge economy.	
4	Critically evaluate the Inequality and inclusivity in the knowledge economy.	
5	Organize a debate on Emerging trends in the knowledge economy	

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Carl Dahlman and Anuja Utz (2005). *India and the Knowledge Economy*. World Bank publication. (Module 1,2,3,4&5)
- **2.** Kulkarni, A. (2019). *India and the Knowledge Economy: Performance, Perils, and Prospects.* Springer Nature. (Module 1,2,3,4&5)

ADDITIONAL READINGS

- 1. World Bank. (2012). *India's knowledge economy: Opportunities and challenges*. World Bank Publications
- 2. Frank-Jurgen Richter and Parthasarathi Banerjee (2003). The Knowledge Economy in India. Springer
- 3. Mehrotra, S. (2012). The knowledge economy and development in India. Routledge
- 4. Ghosh, B. (2010). *India's knowledge economy: Opportunities and challenges*. Bloomsbury Publishing

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	ı	-
CO 2	-	3	-	2	-	-	-	-	-
CO3	-	1	-	3	-	2	2	-	-
CO 4	-	1	-	1	-	-	2	3	-
CO 5	-	1	-	3	2	-	2	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil

1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2		√		✓
CO 3		1		✓
CO 4			✓	√
CO 5		✓	✓	

Programme	B.A. Economics Honours							
Course Title	MICROECONOMI	MICROECONOMICS FOUNDATIONS						
Type of Course	Minor							
Semester	Ι							
Academic	100 - 199							
Level								
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basic Economics Course of 0 – 99 level							
Course	This course explores important concepts, basic theories and models,							
Summary	various market structures and other fundamental aspects of							
	microeconomics.							

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the basic concepts of microeconomics	U	C	Instructor- created exams / Quiz
CO 2	Apply the basic concepts of microeconomics to real-world scenario	Ap	Р	Practical Assignment / Observation of Practical Skills
CO 3	Analyse market equilibrium and its applicability in the real world	An	Р	Seminar Presentation / Group Discussion
CO 4	Evaluate consumer choices and preferences	Е	Р	Instructor- created exams / Home Assignments
CO 5	Analyse different market structures in connection with existing market conditions for different products in the world	An	F	Writing assignments

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Marks
	t	Supply and Demand	10	4.5
I	4	10	15	
	1	Demand: The Demand Curve, The Demand Function, Summing Demand Curves	2	
	2	Supply: The Supply Curve, The Supply Function, Summing Supply Curves	2	
	3	Market Equilibrium: Using a Graph to Determine the Equilibrium, Using Math to Determine the Equilibrium, Forces That Drive the Market to Equilibrium	2	
	4	Shocking the Equilibrium: Effects of a Shift in the Demand Curve, Effects of a Shift in the Supply Curve	2	
	5	Equilibrium Effects of Government Interventions: Policies That Shift Supply Curves, Policies That Cause Demand to Differ from Supply, Why Supply Need Not Equal Demand	2	
II		Consumer Choice	10	15
	6	Preferences: Properties of Consumer Preferences, Preference Maps	2	
	7	Utility: Utility Function, Ordinal Preferences, Utility and Indifference Curves, Utility and Marginal Utility, Utility and Marginal Rates of Substitution	4	
	8	Budget Constraint: Slope of the Budget Constraint, Effect of a Change in Price on the Opportunity Set, Effect of a Change in Income on the Opportunity Set	2	
	9	Constrained Consumer Choice: The Consumer's Optimal Bundle, Optimal Bundles on Convex Sections of Indifference Curves, Buying Where More Is Better	2	
III		Production and Cost	15	22
	10	The Ownership and Management of Firms: Private, Public, and Nonprofit Firms, The Ownership of For-Profit Firms, The Management of Firms, What Owners Want	2	
	11	Production: Production Functions, Time and the Variability of Inputs	1	
	12	Short-Run Production: One Variable and One Fixed Input: Total Product, Marginal Product of Labor, Average Product of Labor, Graphing the Product Curves, Law of Diminishing Marginal Returns	2	
	13	Long-Run Production: Two Variable Inputs: Isoquants, Substituting Inputs	2	
	14	Returns to Scale: Constant, Increasing, and Decreasing Returns to Scale, Varying Returns to Scale	2	
	15	The Nature of Costs: Opportunity Costs, Costs of Durable Inputs, Sunk Costs	2	
	16	Short-Run Costs: Short-Run Cost Measures, Short-Run Cost Curves, Production Functions and the Shape of Cost Curves, Effects of Taxes on Costs,	2	
	17	Long-Run Costs: Input Choice, How Long-Run Cost Varies	2	

		with Output, The Shape of Long-Run Cost Curves		
IV		13	18	
		Perfect Competition: Price Taking, Why the Firm's Demand		
		Curve Is Horizontal, Derivation of a Competitive Firm's		
	18	Demand Curve, Profit Maximization, Short-Run Competitive	4	
		Profit Maximization, Long-Run Competitive Profit		
		Maximization		
	19	Monopoly: Monopoly Profit Maximization, Market Power,	2	
	20	Welfare Effects of Monopoly	1	
		Oligopoly: Cartels, Noncooperative Oligopoly, The Cournot		
	21	Equilibrium and the Number of Firms, Stackelberg Graphical	4	
	21	Model, Comparison of Collusive, Cournot, Stackelberg, and	4	
		Competitive Equilibria		
	22	Monopolistic Competition: Monopolistically Competitive	2	
		Equilibrium, Fixed Costs and the Number of Firms		
V		Open ended module	12	
		Discussion based on different market structures prevailing in		
		the world		
		Case study of decision making by firms		
		Seminar on the influence of economic policies on market		
		transactions		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

1. Perloff, J. M. (2023). *Microeconomics*, Global Edition. Pearson Higher Ed.

ADDITIONAL READINGS

- 1. Krugman, P., & Wells, R. (2018). *Microeconomics*. Worth Publishers.
- 2. Pindyck, R., & Rubinfeld, D. (2012). Microeconomics. Pearson Higher Ed.
- 3. Tucker, I. B. (2016). *Microeconomics for today*. Cengage Learning.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	1	1	-	-	1	-	-
CO 2	1	1	1	1	-	-	2	3	-
CO 3	1	1	1	1	1	-	3	1	-
CO 4	1	3	1	1	-	-	1	2	-
CO 5	-	-	-	-	-	-	3	1	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1		✓	✓
CO 3	1	✓		✓
CO 4	1	✓		✓
CO 5		✓	✓	

Programme	B.A. Economics Honours				
Course Title	MACROECONOMICS FOUNDATIONS				
Type of Course	Minor				
Semester	II				
Academic	100 - 199				
Level					
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Co	urse of 0 – 9	9 level		
Course	This course examine	s the perforn	nance and be	havior of the	economy as
Summary	a whole. It focuses its attention on economic growth, the business				
	cycle, interest rates,	cycle, interest rates, inflation, and the behavior of major economic			
	aggregates such as th	e governmer	nt, household	, and business	s sectors.

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand different types of unemployment and inflation and its consequences	U	С	Instructor- created exams / Quiz
CO 2	Identify key institutional factors contributing to economic growth	Ap	Р	Practical Assignment / Observation of Practical Skills
CO 3	Explain periods of recession and expansion using the expenditure output model	Ap	Р	Seminar Presentation / Group Discussion
CO 4	Analyse the current environment for financial investment decisions	An	Р	Instructor- created exams / Home Assignments
CO 5	Propose policy recommendations based on economic analysis	Е	P	Writing assignments

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Marks
	t			
Ι		The Macroeconomic Perspective	12	18
	1	Assessing the Economy's Performance: Gross Domestic Product, A Monetary Measure, Avoiding Multiple Counting, GDP Excludes Nonproduction Transactions, Two Ways of Looking at GDP: Spending and Income	3	
	2	The Business Cycle: Phases of the Business Cycle, Causes, Cyclical Impact: Durables and Nondurables	2	
	3	Unemployment: Measurement of Unemployment, Types of Unemployment, Definition of Full Employment, Economic Cost of Unemployment, Noneconomic Costs	2	
	4	Inflation: Meaning of Inflation, Measurement of Inflation, Facts of Inflation, Types of Inflation, Complexities, Core Inflation	3	
	5	Redistribution Effects of Inflation: Nominal and Real Income, Anticipations, Who Is Hurt by Inflation? Who Is Unaffected or Helped by Inflation? Anticipated Inflation, Negative Nominal Interest Rates, Other Redistribution Issues	2	
II		Basic Macroeconomic Relationships	12	18
	6	The Income-Consumption and Income-Saving Relationships: The Consumption Schedule, The Saving Schedule, Average and Marginal Propensities	3	
	7	Non-income Determinants of Consumption and Saving	2	
	8	The Interest-Rate–Investment Relationship: Expected Rate of Return, The Real Interest Rate, Investment Demand Curve	3	
	9	Shifts of the Investment Demand Curve: Instability of Investment	2	
	10	The Multiplier Effect: Rationale, The Multiplier and the Marginal Propensities, How Large Is the Actual Multiplier Effect?	2	
III		11	16	
	11	The Functions of Money	1	
	12	The Components of the Money Supply: Money Definitions M_0 , M_1 , M_2 , M_3	2	
	13	What "Backs" the Money Supply? Money as Debt, Value of Money, Money and Prices, Stabilizing Money's Purchasing Power	2	
	14	The Central Bank: RBI and the banking system, Functions, Responsibilities and Independence of RBI	2	
	15	Commercial Banks: Structure of commercial banks in India, Functions of commercial banks	2	
	16	Monetary policy: Tools, Monetary Policy Committee, Inflation Targeting	2	
IV		Financial Economics	13	18
	17	Financial Investment	1	
	18	Present Value: Compound Interest, The Present Value Model, Applications	3	

	19	Calculating Investment Returns: Percentage Rates of Return, The Inverse Relationship between Asset Prices and Rates of Return	2	
	20	Arbitrage	2	
	21	Risk: Diversification	2	
		Comparing Risky Investments: Average Expected Rate of		
	22	Return, Beta, Relationship of Risk and Average Expected	3	
		Rates of Return, The Risk Free Rate of Return		
V		Open ended module	12	
		Discussion based on inflation, unemployment and GDP		
		prevailing in India		
		Debate on monetary policy by RBI		
		Seminar on the influence of transactions in financial assets		
		on economy		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

4. McConnell, C. R., Brue, S. L., & Flynn, S. M. (2021). Macroeconomics. MCGRAW-HILL

ADDITIONAL READINGS

- 1. Mankiw, N. G., Kneebone, R. D., & McKenzie, K. J. (2023). Principles of Macroeconomics, 9th Edition. Cengage Canada.
- 2. Mateer, D., & Coppock, L. (2021). *Principles of Economics*, Third Edition. W.W. Norton & Company.
- 3. Cornia, G. A. (2020). *The macroeconomics of developing countries: An Intermediate Textbook*. Oxford University Press.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	1	1	1	-	-	2	3	-
CO 3	1	1	1	1	-	-	3	2	-
CO 4	-	3	-	-	_	-	2	2	-
CO 5	-	1	-	-	-	-	3	1	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	1		✓
CO 2	✓		1	✓
CO 3	1	✓		✓
CO 4	✓	✓		✓
CO 5		✓	1	

Programme	B.A. Economics Honours				
Course Title	FOUNDATIONS OF GLOBAL ECONOMICS				
Type of Course	Minor				
Semester	III				
Academic	200 – 299				
Level					
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	4	4	-	-	60
Pre-requisites	Basic Economics Co	urse of 0 – 9	9 level		
Course	This course delves in	to the econo	mic interacti	ons and relati	onships that
Summary	transcend national borders, examining how countries trade goods and				
	services, invest in ea	services, invest in each other's economies, and manage their currencies			
	in a globalized world	•			

Course Outcomes (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO	Understand the relationship	U	C	Instructor-
1	between international			created exams /
	economics and economic			Quiz
	development, as well as the			
	connection between			
	international capital markets			
	and economic growth			
CO	Relate the Theory of	Ap	P	Practical
2	Foreign Trade to economic			Assignment /
	development			Observation of
				Practical Skills
CO	Investigate foreign	An	P	Seminar
3	investments and their			Presentation /
	implications in the context			Group
	of international economics			Discussion
CO	Analyse the current	An	P	Instructor-
4	environment for financial			created exams /
	investment decisions			Home
				Assignments
CO	Propose policy	E	P	Writing
5	recommendations based on			assignments
	economic analysis			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Uni	Content	Hrs	Marks
	t	Introduction to Global Economics		
Ι		9	13	
	1	Globalization of the Economic Activity; Waves of	3	
		Globalization		
	2	International Trade and the Nation's Standard of Living	2	
	3	The International Flow of Goods and Services: The Gravity Model	1	
	4	The International Flow of Labor and Capital	1	
	5	Purpose of International Economic Theories and Policies	2	
II		International Institutions and Issues	15	22
	6	International Institutions since World War II	3	
	7	A Taxonomy of International Economic Institutions	2	
	8	The IMF and World Bank	2	
	9	The GATT, the Uruguay Round, and the WTO	2	
	10	Regional Trade Agreements; Five Types of Regional Trade Agreements; Regional Trade Agreements and the WTO	2	
	11	The Role of International Economic Institutions	2	
	12	Criticism of International Institutions	2	
III		International Trade and Economic Development	10	15
	13	The Importance of Trade to Development: Trade Theory and Economic Development, Trade as an Engine of Growth, The Contributions of Trade to Development, International Trade and Endogenous Growth Theory	3	
	14	The Terms of Trade and Economic Development	3	
	15	Import Substitution versus Export Orientation	2	
	16	Trade Problems of Developing Countries	2	
IV		Balance of Payments and Foreign Exchange Market	14	20
	17	Balance-of-Payments Accounting Principles: Credits and Debits, Double-Entry Bookkeeping	2	
	18	The Current and Capital Account Balances	3	
	19	Financial Account: Types of Financial Flows, Limits on Financial Flows	2	
	20	Fixed, Flexible and Managed Exchange Rates	2	
	21	Exchange Rates and Currency Trading: Reasons for Holding Foreign, Currencies, Institutions, Exchange Rate Risk	3	
	22	The Real Exchange Rate	2	
V		Open ended module	12	
		Discussion based on trends of foreign trade, composition of		
		foreign trade and direction of foreign trade in India		
		Debate on exchange rate system to be followed by developing countries		
		Seminar on international institutions and their role in India		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed

modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, is only for the external examination.

REFERENCE:

- 1. Gerber, J. (2024). *International Economics*. Global Edition. Pearson.
- 2. Salvatore, D. (2019). *International Economics*. John Wiley & Sons.

ADDITIONAL READINGS

- 1. Appleyard, D. R., & Field, A. J. (2014). International Economics. Eighth Edition McGraw-Hill.
- 2. Carbaugh, R. (2016). International Economics. Cengage Learning.
- 3. Brakman, S. (2006). Nations and firms in the global economy: An Introduction to International Economics and Business. Cambridge University Press.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	-	-	-	2	3	-
CO 4	-	3	-	-	-	-	2	2	-
CO 5	-	1	-	-	-	-	3	1	2

CORRELATION LEVELS:

Level	Correlation			
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	1		✓
CO 2	1		1	✓
CO 3	1	✓		✓
CO 4	1	✓		√
CO 5		√	1	



Programme	B.A. Economics Honours					
Course Title	BASICS OF INCOME TAX					
Type of Course	Vocational Minor					
Semester	Ι	I				
Academic Level	100 – 199					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Introductory Macro E	Economics co	ourse of $0-9$	9 level		
Course	This course focus on imparting basic knowledge and equip students with					
Summary	application of principles and provisions of Income - tax Act, 1961					
	amended up to date.					

Course Outcomes (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO	Understand the basic concept	U	С	Instructor-created
1	and terms of Income Tax			exams / Quiz
CO	Analyse Income Tax	An	P	Practical
2	Statements and Tax Planning			Assignment
CO	Evaluate Various Sources of	E	F	Seminar
3	Income and Deductions			Presentation /
				Group Discussion
CO	Apply Tax Planning	Ap	P	Instructor-created
4	Techniques			exams / Home
				Assignments
CO	Create Tax Return Preparators	Ap	F	Viva Voce
5	(TRP)			

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

DETAILED SYLLABUS:

Module	Unit	Content	Hr	Marks
			S	
I		10	15	
	1	Basic Concepts- Purpose of Income Tax - Basic	2	

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

		Terms of Income Tax		
	2	Income tax Act 1961, Recent Financial	2	
	-	Amendments regarding Income Tax	_	
	3	Direct and Indirect Taxes	2	
	4	Income - Agricultural income - Person - Assessee -	2	
		Assessment Year - Previous Year -	_	
	5	Gross total income - Total income -	2	
		Residential status - Scope of total income on the		
		basis of residential status –Exempted		
		incomes.		
II		Income Tax Calculation	17	25
	6	Computation of Income under Different Heads	3	
	7	Deductions to be made in computing total income	3	
	8	Computation of total Income of individuals	3	
	9	Computation of Tax liability of individuals	3	
	10	Rebate and relief of tax	3	
	11	Recent Income Tax Slabs for Calculation	2	
III		Income Tax Return Filing	14	20
	12	Procedure of assessment of income tax	2	
	13	Filing of returns of income, ITR 1	2	
	14	Voluntary return of	2	
		income – Statutory obligations in the filing of		
		returns – Return of loss – Belated returns		
	15	Revised returns – Defective returns – PAN	2	
	16	Different types of assessment – Self-assessment	2	
		– Assessment on the basis of return – Best		
		judgment assessment – Regular assessment		
	17	Reassessment	1	
	18	Protective assessment	1	
	19	Key Dates for Return Filing	1	
	20	Penalties for Late Return	1	4.0
IV	D.1	Income Tax Planning	7	10
	21	Individual Tax Planning- Evasion-Avoidance-	4	
	22	Refund	2	
T 7	22	Powers of Income Tax Authorities	3	
V		Open ended module	12	
		Discussion- Income tax heads and deductions		
		Practical Assignments Income Tax Calculation		
		and Return Filing		
		E-return filing -ITR1 Practical Return Filing		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Dr. H.C Mehrotra and Dr. S.P. Goyal (2022). Fundamentals of Income Tax A.Y 2022-23 (Module I,II,II, and IV)

ADDITIONAL READINGS

- 1. Henry Harvin.(2023).Income Tax Practices
- 2. Vinod K. Singhania & Kapil Singhania (2023). Direct Taxes Law & Practice | Professional Edition

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO 9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	-	-	-	-	-	3	2	-
CO 3	-	-	-	3	-	-	2	2	-
CO 4	-	-	-	2	-	-	3	2	-
CO 5	-	-	-	1	-	-	2	3	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Internal Exam Quiz / Assignment/ Viva Voce/ Discussion / Seminar Voc		End Semester Examination
		Voce/ Discussion / Seminar	Assignment	Examination
CO 1	✓	✓		✓
CO 2	1	✓	1	1
CO 3	1	✓		1
CO 4	1	1	1	1
CO 5		1	1	

Programme	B.A. Economics Honours					
Course Title	CALCULATION OF INCOME FOR TAXATION					
Type of Course	Vocational Minor					
Semester	II					
Academic Level	100 – 199					
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Basic economics co	urse of 0 – 99	9 level			
Course Summary	This course focuses on various aspects of income tax calculations,					
	basic components of income, tax deductions, tax exemptions and tax					
	regimes.					

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO1	To understand the relevance of accurate	U	С	Instructor-created
	income tax calculation.			exams / Practical
				Assignment
CO2	To understand the basic elements of income	U	F	Writing
	tax calculation.			assignments / Quiz
CO3	To analyze the major components of income.	An	P	Observation of
				Practical Skills /
				Group Discussion
CO4	To analyze the impact of tax deductions and	An	P	Observation of
	exemptions on taxable incomes.			Practical Skills /
				Home Assignments
CO5	To accurately compute income for taxation.	Ap	P	Practical Skills /
				Instructor-created
				exams
CO6	To compute tax liability under old and new	E	M	Practical
	tax regimes and to evaluate the most			Assignment Viva
	appropriate tax regime choice.			Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I	BA	SIC ELEMENTS OF INCOME CALCULATION	10	15
	1	Relevance of accurate income calculation	2	
	2	Gross income and taxable income	2	
	3	Exempted income for all assesses	3	
	4	Residential status and tax liabilities	3	
II	INC	OME FROM SALARY AND HOUSE PROPERTY	16	23
	5	Components of salaried income	1	
	6	Exempt portion of HRA and LTA	2	
	7	Impact of standard deduction on taxable income	1	
	8	Deductions from gross salary	2	
	9	Computation of income from salary	2	
	10	Computation of income from house property	2	
	11	Exempted Income from house properties.	2	
	12	Rules regarding valuation.	2	
	13	Determining annual value, deductions and taxable	2	
		income from house property		
III	IN	ICOME FROM BUSINESS/PROFESSION AND	10	15
		CAPITAL GAIN		
	14	Profits and Gains of business/ Profession	3	
	15	Deductions expressly allowed in respect to expenses	2	
		and allowances		
	16	Computation of income from business	3	
	17	Tax treatment of self-employed individuals	2	
IV		INCOME FROM CAPITAL GAIN	12	17
	18	Meaning and types of capital gains	2	
	19	Computation of Short term and Long Term Capital	3	
		Gain/Loss		
	20	Exemption of Capital Gains	2	
	21	Calculation of cost of Original Shares & Bonus	3	
		Shares		
	22	Income from other sources	2	
V		Open ended module	12	_
		Discussion based on tax saving investments and		
		impact of exemptions on taxable income.		-
		Practical Assignments to calculate tax liability under		
		old and new tax slabs		-
		Assessment and evaluation of factors influencing the		
		choice between old and new regimes.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Gaur V.P. & Narang D.B., Income Tax Law and Practice, Kalyani Publishers.

- 2. Bhagwati Prasad ., Income Tax Law And Practice , Wishwa Prakashan Publishers,
- 3. T.S.Reddy & Y.Harry Prasad Reddy, Income Tax Law and Practice, Margham Publications.
- 4. Vuinod K Singhania and Kapil Singhania, Direct Taxes, Taxman Allied Services Pvt. Ltd.
- 5. N. Hariharan, Income Tax Law and Practice, Tata McGraw Hill publishing Co. Ltd, New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	1	-2	-	-	3	2	2
CO 2	3	1	-	2	-	-	2	2	2
CO 3	2	2	-	1	-	1	3	3	3
CO 4	2	3	2	1		1	3	3	3
CO 5	2	2	1	1	-	1	3	3	3
CO 6	-	2	2	2	2	-	3	3	3

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments
- Final Exam

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	√		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5		√	✓	
CO 6		~	/	

Programme	B.A. Economics Hon	ours			B.A. Economics Honours			
Course Title	INCOME TAX ASSESSMENT							
Type of Course	Vocational Minor							
Semester	III							
Academic Level	200 – 299							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-	-	60			
Pre-requisites	Basics Course on Inc	ome Tax of l	evel 100 – 19	99				
Course	This particular cours	e is intende	d to impart l	knowledge on	assessment			
Summary	procedure and filing of return of income of various assessee and to							
	provide practical skil	provide practical skills on computation of total income and tax liability						
	of individuals, HUF a	and Firms.						

COURSE OUTCOMES (CO):

СО	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the rationale and procedure of Tax Assessment	U	C	Instructor-created exams / Quiz/ Assignments
CO 2	Analyse the concept of clubbing and aggregation of income.	An	С	Instructor-created exams /Practical Assignment
CO 3	Evaluate the various legal provisions of tax planning	E	С	Instructor-created exams /Seminar Presentation / Group Discussion
CO 4	Apply tax computation procedure to Individual and HUF	An	С	Instructor-created exams / Home Assignments
CO 5	Computation of tax liabilities of entities	An	Р	Writing assignments/ Seminar/ presentation/ Group activities

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module Module	Unit	Content	Hrs	Marks
I		Introduction to Tax Assessment	12	17
	1	Assessment- Definition, Objectives and Types	2	
	2	Assessment year Section 2(9), Previous Year –Exception rules	1	
	3	Person Section 2 (31)	1	
	4	Types of Income- Total Income, Casual Income, Assessment Income	2	
	5	Rate of Income tax for the assessment Year	1	
	6	Assessment, filing and Payment of Tax	1	
	7	Return – Meaning of return – Types of return	2	_
	8	Forms Prescribed for filing of return	1	_
	9	PAN – Compulsory cases of PAN.	1	
II		Clubbing and Aggregation of Income	12	17
	10	Clubbing and Aggregation of Income-Objectives	3	
	11	Types of Income for Clubbing	3	_
	12	Provisions for Clubbing and Aggregation	3	-
	13	Set off and carry forward of losses: Provisions	3	
III		Tax Assessment (Theory Only)	15	22
	14	Assessment of Individuals - Various sources of income of an	3	
		individual		-
	15	Procedure for computing Total Income	3	-
	16	Assessment of Hindu Undivided Family – HUF v/sFirm –	2	_
	17	Incomes not treated as family income	2	<u> </u>
	18	Assessment of Firms –Classification of firms	2	-
	19	Section 184- Computation of Tax Liability	3	
IV		Tax Planning Strategies	9	14
	20	Effective Tax Planning Techniques	3	
	21	Tax Avoidance and Tax Evasion	3	
	22	Deductions under 80C	3	
V		Open Ended Module	12	
	1	Discussing recent tax laws		
	2	Analysing real life case studies related to tax assessment		
	3	File the income tax return of any Two individual		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Income Tax, Vinod K. Sinhania& Monica Sinhania, Taxmann Publications Pvt.Ltd, New Delhi.
- 2. Taxation Law & Practice, Mehtrotra&Goyal, Sahitya Bhavan Publication, Agra.

ADDITIONAL READINGS

- 1. Systematic Approach to Income Tax, Garish Abuja& Ravi Gupta, Bharat Law House Pvt. Ltd, New Delhi.
- 2. Girish Ahuja and Ravi Gupta: Professional Approach to Direct Taxes Law & Practice; Bharat Law House, New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO 8	PSO9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	1	3	-	1	-	-	1	3	2
CO 3	1	3	-	1	-	-	-	-	-
CO 4	1	3	1	2	1	-	1	3	1
CO 5	1	2	-	3	-	-	-	2	2

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar/Survey
- Internal Exam
- Practical Assignments
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	/		√
CO 2	1	/	✓	✓
CO 3	1	/		✓
CO 4	1	✓	✓	√
CO 5		✓	✓	

Programme	B.A. Economics Honours						
Course Title	INCOME TAX LAV	INCOME TAX LAWS, PROCEDURES AND AUTHORITIES					
Type of Course	Vocational Minor						
Semester	VIII						
Academic Level	300 – 399						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	4	4	-	-	60		
Pre-requisites	Income Tax course of	f 200 – 299 l	evel		•		
Course Summary	This course aims to p	This course aims to provide basic knowledge about the principles and					
	provisions of income tax, as well as its authority, and to equip students						
	with the application of	of the Income	Tax Act.				

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category	Evaluation Tools used
CO1	Understand the basic concepts, procedures and authorities of income tax.	U	C	Instructor-created exams / Quiz
CO2	Identification of income tax from various sources and analysis of its interdependence and differences.	An	P	Practical Assignment
CO3	To apply income tax procedures in real life situations.	Ap	F	Seminar Presentation / Group Discussion
CO4	Assessment of income tax procedures across personal, business, and other areas with the relevant authorities.	Ар	С	Instructor-created exams / Home Assignments
CO5	Evaluate the components of income tax laws and apply them to the present tax situation.	E	M	Viva
CO6		1 (4) 4 3	(4) 5 1 (2	

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
		Basic Concepts under Income Tax	11	16
	1	Income from salary and house property	2	
	2	Income from business and profession	2	
	3	Determination of agricultural and Non-agricultural income	2	
	4	Casual Income, Capital gains and Income from other sources.	4	
I	5	Gross total income , Total income	1	
		Computation of Income tax and Tax liability	12	18
	6	Determination of residential status	2	
	7	Classification of income under different heads	2	
	8	Computation of income under each head	2	
II	9	Clubbing of income of spouse, minor child etc.	1	
	10	Computation of Gross Total Income (GTI)	2	
	11	Deduction from GTI	1	
	12	Computation of Taxable income and computation of tax liability	2	
		Components of Income Tax Law	12	18
	13	Type of taxes – Direct taxes and Indirect taxes	2	
	14	Classifications – Income tax – Tax on undisclosed foreign	3	
III		income and assets – Goods and Services tax (GST) – Customs duty.		
	15	Income tax Act 1961	2	
	16	Annual Finance Act	1	
	17	Income tax rules, Circulars and Notifications	3	
	18	Legal decisions	1	
IV		Income Tax Authorities and their powers	13	18
	19	Roles and responsibilities of income tax authorities.	3	
	20	Powers of income tax authorities	3	
	21	Classification of income tax authorities – Administrative and Judicial authorities - Central Board of Direct Taxes, Commissioner, a Joint Commissioner, a Director, a Joint Director, and Assistant Director or a Deputy Director or an	4	
		Director, an Assistant Director or a Deputy Director or an		
	22	Assessing Officer, or a Tax Recovery Officer Jurisdictional aspects and transfer of cases	3	
V		Open Ended Module	12	
•	1	Examine and contrast tax evasion, avoidance, and planning		
		concerning personal, organizational, and corporate income tax filings.		
	2	Prepare income tax statements for Individuals, Organizations and Companies.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed

modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Dr. H.C. Mehrotra and Dr. S.P Goyal, Income Tax Law and Account,64th Edition, Sahitya Bhawan Pulications.

ADDITIONAL READINGS:

- 1. Girish Ahuja and : Systematic Approach to Income-tax, Service Tax and VAT; Bharat Law Ravi Gupta House, T-1/95, Mangolpuri Industrial Area, Phase I, New Delhi-110 083. (Edition based on provisions applicable for AY 2017-18)
- 2. B. B. Lal and N. Vashist: Direct Taxes, Income Tax, and Tax Planning; Darling Kindersley (India) Pvt. Ltd., 482, FIE, Patparganj, Delhi.-110092 (Edition based on provisions applicable for AY 2017-18)
- 3. Dr. H. C. Mehrotra and : Direct Taxes (with Tax Planning); Sahitya Bhawan, Agra. (Edition based Dr. S.P. Goyal on provisions applicable for AY 2017-18)
- 4. Girish Ahuja and : Professional Approach to Direct Taxes Law & Practice; Bharat Publications Ravi Gupta (Edition based on provisions applicable for AY 2017-18)
- 5. Vikas Mundra: Tax Laws and Practices; Law Point publications, 6C, R.N. Mukherjee Road, Kolkata- 700001 (edition based on provisions applicable for AY 2017-18)
- 6. V. S. Datey: Service Tax Ready Reckoner; Taxmann Publications, 59/32, New Rohtak Road, New Delhi 7. J. K. Mittal: Law, Practice & Procedure of Service Tax; CCH India, (Walters Kluwer (India) Pvt. Ltd.), 501-A, Devika Tower, 6 Nehru Place, New Delhi.
- 7. Balram Sangal and : All India VAT manual (4 Vols.); Commercial Law Publisheres (India) Pvt Jagdish Rai Goel Ltd., 151, Rajindra Market, Opp. Tis Hazari Courts, Delhi 110 054
- 8. GST: Introduction and way Forward Bloom Bury publication

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	-	3	-	2	-	-	2	3	3
CO 3		2	-	2	-		-	2	3
CO 4	-	3	2	3	-	2	3	3	-
CO 5	3	-	-	-	-	2	2	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓	✓	✓
CO 3	1	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5	1	√	✓	

Programme	B.A. Economics Honou	rs					
Course Title	FOUNDATIONS OF	FOUNDATIONS OF GST					
Type of Course	Vocational Minor						
Semester	I						
Academic Level	100 - 199						
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours		
	4	4	-	-	60		
Pre-requisites	Basic Economics Course of 0-99 level						
Course Summary	This course provides a comprehensive introduction to GST, covering its features,						
	application, applicability	y and practical	implementatio	1.			

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledge Category	Evaluation Tools used
CO1	Understand the fundamentals of GST, its Features, framework and constitutional provision	R	F	Instructor-created exams / Quiz
CO2	Gain ability to differentiate supply of goods and services	An	С	Seminar Presentation / Group Discussion
CO3	Determining time and place of supply of goods and services	Е	P	Seminar Presentation / Group Discussion
CO4	Determining value of supply of goods and services	Е	P	Writing assignments
CO5	To Understand the exempted goods and services	U	P	Instructor-created exams / Quiz
CO6	To explore the scope and conditions of composition levy	An	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		Introduction to GST	12	17
	1	2		
	2	2		
	3	Benefits of GST	2	
	4	Taxes subsumed in GST	1	
	5	Framework of Goods and Services Tax	2	
	6	Constitutional provision	3	
II		Supply under GST	12	17
	7	Meaning and scope of Supply	2	
	8	Deemed Supply	2	
	9	Supply of goods or supply of services	3	
	9	Negative list	2	
	10	Tax Liability on composite supplies	2	
	11	Tax Liability on mixed supplies	1	
III		Taxable Supply	15	22
	12	List of exempt goods under GST	2	
	13	List of exempt services under GST	4	
	14	Time of supply of goods	2	
	15	Time of supply of services	2	
	16	Place of supply of goods and services	3	
	17	Determination of value of Taxable supply	2	
IV		Composition Levy	9	14
	18	Eligibility for composition scheme	2	
	19	Ineligibility for composition scheme	2	
	20	Intimation of opting for composition levy	1	
	21	Conditions and restriction for composition levy	2	
	22	Withdrawal and denial of composition scheme	2	
V		Open Ended Module	12	
	23	Practical problems on determining value of supply		
	24	Electronic Commerce Operator		
	25	TDS and TCS under GST		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Shivakumar Upavasi (2021), GST FOR BEGINNERS: FOUNDATIONS FOR GST
- 2. https://boslive.icai.org

ADDITIONAL READINGS

- 1. Sonal G Singh ,Understanding GST, Cyber-tech publications, New Delhi
- 2. M M Surg, Goods and Services tax (GST) in India: Background, Present structure and Future changes, New Century Publications, New Delhi.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	-	-	-	-	-	-
CO 2	ı	-	2	1	ı	1	2	-	-
CO 3	ı	-	-	1	ı	1	3	1	-
CO 4	ı	1	-	ı	ı	ı	ı	ı	3
CO 5	3	-	-	-	-	-	-	2	3
CO 6	-	-	-	-	-	-	-	-	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar (10%)
- Internal Exam (10%)
- Assignments (10%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	✓		√
CO 2	✓		1	✓
CO 3	✓	✓	✓	✓
CO 4	✓	✓	✓	✓
CO 5		✓	✓	
CO 6			<	

Programme	B.A. Economics Hono	B.A. Economics Honours				
Course Title	GST COMPLIANCE	Ξ				
Type of Course	Vocational Minor					
Semester	II					
Academic Level	100 – 199	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours	
	4	4	-	-	60	
Pre-requisites	Basic economics c	ourse of level	0 – 99			
Course	This course explores	principles of	GST compli	ance, provides	s proficiency	
Summary	in filing GST returns	in filing GST returns in time and make the students updated on recent				
	developments and an	developments and amendments in GST laws and regulations that may				
	impact compliance red	quirements.				

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive L	e Vél ťowledge Ca	tegoady#ation Tools
				used
CO1	Understand the fundamental concepts and principles of GST compliance, including return filing, input tax credit, and anti-profiteering measures.	R	F	Instructor-created exams / Quiz
CO2	Gain proficiency in filing various GST returns accurately and within the stipulated timelines, including GSTR-1, GSTR-3B, and annual returns.	U	С	Seminar Presentation / Group Discussion
CO3	Develop skills to identify and mitigate compliance risks associated with GST, including penalties for non-compliance.	Ap	Р	Seminar Presentation / Group Discussion
CO4	Explore strategies and best practices for ensuring GST compliance in different business scenarios, including managing cross-border transactions and GST audits.	Ap	С	Seminar Presentation / Group Discussion
CO5	Analyze case studies and real-life examples to understand practical challenges and solutions in GST compliance.	An	P	Writing assignments
CO6	Stay updated on recent developments and amendments in GST laws and regulations that may impact compliance requirements.	C	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e				
I		Introduction to GST Compliance and Registration Procedures	14	25
	1	GST vs the Current Indirect Tax Structure	2	
	2	Key GST Compliance	1	
	3	Criteria for GST registration.	3	
	4	Procedure for GST registration.	4	
	5	Voluntary registration vs. mandatory registration.	2	
	6	Exemption from GST Registration	2	
II	Books	s of Accounts	15	10
	7	Maintenance of Books of Accounts:	2	
	8	Who must maintain accounts under GST?	2	
	9	The records must be maintained under GST	2	
	10	The accounts maintained under GST	3	
	11	Accounting entries under GST	2	
	12	Electronic Cash and Credit Ledger	2	
	13	Period for Retention of Accounts under GST	1	
	14	Consequences of Not Maintaining Proper Records	1	
III	Issuin	ng GST Invoices and filing of GST Returns	11	20
	15	The mandatory fields a GST Invoice - Types of invoices- Bill of supply-	4	
		Aggregate invoice-Reverse charge invoice-Debit and credit note		
	16	GST Returns - How and When to File Them-	2	
	17	Types of GST returns (GSTR-1, GSTR-3B, GSTR-9, etc.). What is GSTIN?	3	
	18	Common errors and challenges in return filing	2	
IV		Input tax credit and other compliance	8	15
	19	ITC - conditions- Items not allowed for ITC	2	
	20	GST Compliance Audits-	3	
	21	Compliance with GST Council Notifications:	2	
	22	Consequences of Non-Compliance	1	
V		Open Ended Module	12	
		Practical problem highlights the importance of having accurate GSTINs		
		and the challenges businesses may face if there are discrepancies or		
		errors in their GST registration details.		
		Latest budget updates on ITC		
		Practical problem illustrates the importance of adhering to the conditions		
		for claiming ITC and being aware of the items for which ITC is not allowed to avoid financial implications and compliance issues.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam,

however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Agarwala, D., Banka, K. V., & Saraf, A. (2022). Practical Guide to GST Compliances. Taxmann.
- 2. https://cleartax.in/s/gst-payment-issues-complaint

ADDITIONAL READINGS

- 1. Government of India. (n.d.). Criteria for GST Registration. GST Council. Retrieved from https://www.gst.gov.in/ (Module II)
- 2. Central Board of Indirect Taxes and Customs. (n.d.). Procedure for GST Registration. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 3. Ministry of Finance, Government of India. (n.d.). Types of Invoices Under GST. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 4. Central Board of Indirect Taxes and Customs. (n.d.). How to File GST Returns: Step-by-Step Guide. Goods & Services Tax Network. Retrieved from https://www.gstn.org/

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO
CO 1	2	1	-	-	-	-	-	-	-
CO 2	-	1	2	1	1	-	2	-	-
CO 3	-	-	-	. 1	- 1	-	3	-	-
CO 4	ı	1	ı	ı	ı	-	ı	-	3
CO 5	3	. 1	- 1	. 1	. 1	-	1	2	3
CO 6	-	-	-	-	-	-	-	-	3

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar (10%)
- Internal Exam (10%)
- Assignments (10%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓ /		1	✓
CO 3	1	1	1	√
CO 4	1	✓	1	✓
CO 5		✓	1	
CO 6			✓	

Programme	B.A. Economics Honours							
Course Title	GST AUDIT AND INVESTIGATION TECHNIQUES							
Type of Course	Vocational Minor							
Semester	III							
Academic Level	200-299							
Course Details	Credit	Lecture	Tutorial	Practical	Total			
		per week	per week	per week	Hours			
	4	4	-		60			
Pre-requisites	Foundation course	e on GST of l	level 100 – 19	99				
Course Summary	The objective of this paper is to understand the provisions of the GST							
-	law, including the correctness of the tax returns filed, payment of tax, and							
	compliance with other provisions of the law and to know different							
	techniques of GST au	ıditing						

COURSE OUTCOMES (CO):

CO	CO Statement	Cognitive Level*	Knowledg e	Evaluation Tools used
			Category#	
CO 1	Understand the fundamental concepts and principles of GST auditing	R	F	Instructor- created exams / Quiz
CO 2	The program's mission is to broaden the horizon of the learners with a deeper understanding of the GST law and its e filing in the new digital environment and equip them with a new set of tools to help them digitally create and file GST returns.	Ŭ	С	Seminar Presentation / Group Discussion
CO 3	Develop a detailed understanding in the students of law and practice of Goods and Services Tax and the application of its provisions.	Ap	P	Seminar Presentation / Group Discussion
CO 4	Develop a detailed understanding in the students of documents, records, books of accounts and tax returns, and the requirements for the payment of Goods and Services Tax using computer hardware and software packages.	Ap	С	Seminar Presentation / Group Discussion
CO 5	Analyze case studies and real-life examples to understand practical challenges and solutions in GST compliance.	An	P	Writing assignments
CO 6	Stay updated on recent developments and amendments in GST laws and regulations that may impact compliance requirements.	C C	P P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Module	Unit	Content	Hrs	Marks
I		Purpose and Principles of audit	13	25
	1	Definition of Audit	2	
	2	Types of Audits in GST	1	
	3	General provisions relating to determination of tax	3	
	4	Levy of late fee	4	
	5	Aims and objectives of Audit	2	
	6	Principles of audit	1	
II		Different Steps of Audit	15	10
	7	Selection for audit	2	
	8	Administrative / procedural arrangements for risk-based selection of auditees:	2	
	9	Assignment & team formation for audit:	2	
	10	Commencement of Audit	3	
	11	Draft Audit Report and approval thereof	2	
	12	Knowledge of Form GST REG-06, GSTR1, GSTR2A, GSTR2B, GSTR3B, Form GST CMP – 08,	2	
	13	Form GST PMT –06 Payment Challan, DRC03,	1	
	14	Verification of input tax credit system from portal vis a vis books of accounts and its adjustments	1	
III		GST Tax Accounting	10	20
	15	Final Audit Report	2	
	16	Thematic Audit	2	
	17	Administrative arrangement for conduct of Thematic audits.	2	
	18	Multi-locational Co-Audit	2	
	19	Administrative arrangement for Selection of Multi- location Co-Audits	2	
IV		Training and Capacity Building	7	15
	20	Building knowledge on financial accounting	2	
	21	Audit in GST with reference to financial accounting	3	
	22	Cash Flow - The third important financial statement	2	
V		Open Ended Module	12	
		Training: Relevant offline tools on GST portal.		
		Verification of input tax credit system from portal vis a		
		vis books of accounts and its adjustments.		
		Every candidate will be assigned a project topic and		
		project mentor/ guide in order to get the practical		
		exposure about GST law and practice in India.		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final

exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

- 1. Ahuja, Girish and Gupta, Ravi. Systematic Approach to GST. Wolters Kluwer
- 2. Sekhon, Shailinder., GST....Unlocking the complexities of Indirect taxes. Published by Sumirat publication and Bookman, New delhi.
- 3. Bansal, K. M., GST & Customs Law, Taxman Publication.
- 4. Mehrotra H.C. and Agarwal, V.P. Goods and Services Tax and Customs. Sahitya BhawanPublications.
- 5. Saha, R.G. Shah, Divyesh and Devi, Usha. Goods and Service Tax. HPH 6. Datey, V. S. All about GST, A Complete Guide to Model GST Law. Taxman Publications

ADDITIONAL READINGS

- 1. Government of India. (n.d.). Criteria for GST Registration. GST Council. Retrieved from https://www.gst.gov.in/ (Module II)
- 2. Central Board of Indirect Taxes and Customs. (n.d.). Procedure for GST Registration. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 3. Ministry of Finance, Government of India. (n.d.). Types of Invoices Under GST. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 4. Central Board of Indirect Taxes and Customs. (n.d.). How to File GST Returns: Step-by-Step Guide. Goods & Services Tax Network. Retrieved from https://www.gstn.org/

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	2	1	-	-	-	-	-	-	-
CO 2	-	-	2	-	-	-	2	-	-
CO3	-	-	-	-	-	-	3	-	-
CO 4	-	1	-	-	-	-	-	-	3
CO 5	3	-	-	-	-	-	-	2	3
CO 6	-	-	-	-	-	-	-	-	3

CORRELATION LEVELS:

Level	Correlation	
- Nil		
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar (10%)
- Internal Exam (10%)
- Assignments (10%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		√
CO 2	1		✓	✓
CO 3	1	✓	✓	/
CO 4	1	√	✓	✓
CO 5		√	✓	
CO 6			/	

Programme	B.A. Economics Hon	B.A. Economics Honours				
Course Title	ADVANCED TOPIO	ADVANCED TOPICS IN GST: ANTI-EVASION MEASURES AND				
	CASE STUDIES	CASE STUDIES				
Type of Course	Vocational Minor	Vocational Minor				
Semester	VIII					
Academic Level	300 – 399	300 – 399				
Course Details	Credit	Lecture	Tutorial	Practical	Total	
		per week	per week	per week	Hours	
	4	4	-	-	60	
Pre-requisites	Course on GST of le	Course on GST of level 200 – 299				
Course Summary	This course provide	This course provides a comprehensive knowledge on tax evasion,				
	offences, penalties, a	appeals and r	revisions and	also discusse	es the case	
	studies related to tax	evasion				

Course Outcomes (CO):

CO	CO Statement	Cognitive Level*	Knowledg e Category#	Evaluation Tools used
CO 1	Understand the concept of Tax evasion of GST, various situations evasion of GST and anti-evasion measures under GST regime	R	F	Instructor- created exams / Quiz
CO 2	Gain knowledge in Offences and Penalties under GST Laws, Punishment for offences and ethics under GST	Ū	С	Seminar Presentation / Group Discussion
CO 3	Understand appeals to appellate authority, tribunal and Powers of revision authority	Ū	P	Seminar Presentation / Group Discussion
CO 4	Analyze the Problem of tax evasion in India	An	P	Seminar Presentation / Group Discussion
CO 5	Explore the Lags leading to tax frauds	An	P	Writing assignments
CO 6	Stay updated on tax evasion cases in India and related issues	С	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hrs	Marks
I	Introd	uction	10	15
	1	Meaning of Tax evasion	2	
	2	Identification of tax evasion	2	
	3	Tax evasion in various situations	3	
	4	Anti-evasion measures under GST regime	3	
II	II Offences and Penalties under GST Laws		15	22
	5	Offences under GST Laws	2	
	6	Penalties for certain offences	3	
	7	Punishment for offences	3	
	8	Power to impose and wave penalty	2	
	9	Compounding of offences	2	
	10	Ethics under GST	3	
III	Appea	ls and Revisions	12	17
	11	Appeals to appellate authority	2	
	12	Powers of revision authority	2	
	13	Appellate tribunal under GST laws	2	
	14	Appeal to appellate tribunal	2	
	15	Appeal to Supreme court and High court	2	
	16	Appeal not to be filed in certain cases	2	
IV		Case Studies	11	16
	17	Problem of tax evasion in India	3	
	18	Case studies related to tax evasion		
	19	Lags leading to tax frauds	2	
	20	Role of Professionals in avoiding prosecution	1	
	21	Role of Professionals in avoiding payment of Penalties	1	
	22	E- invoicing and reducing tax evasion	2	
V		Open Ended Module	12	
	23	Advance Ruling		
	24	Discussion on tax evasion cases in India and related issues		

Note: The course is divided into five modules, with four modules together having total 22 fixed units and one open-ended module with a variable number of units. There are total 48 instructional hours for the fixed modules and 12 hours for the open-ended one. Internal assessments (30 marks) are split between the open-ended module (10 marks) and the fixed modules (20 marks). The final exam, however, covers only the 22 units from the fixed modules. The 70 marks shown in the last column, distributed over the first four modules, are only for the external examination.

REFERENCE:

1. Shivakumar Upavasi , GST FOR BEGINNERS : FOUNDATIONS FOR GST Paperback – 23 July 2021

- 2. Sumit Agarwal, Shashwat Alok, Shiv Dixit & Tejaswi Velayudhan, Impact of the GST on Corporate Tax Evasion: Evidence from Indian Tax Records, March 8, 2022, Indian Statistical Institute, Delhi
- 3. https://icmai.in/TaxationPortal/upload/IDT/Article_GST/210.pdf
- 4. https://fpibengaluru.karnataka.gov.in/storage/pdf-files/Intern%20Reports

ADDITIONAL READINGS

- 1. Government of India. (n.d.). Criteria for GST Registration. GST Council. Retrieved from https://www.gst.gov.in/ (Module II)
- 2. Central Board of Indirect Taxes and Customs. (n.d.). Procedure for GST Registration. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 3. Ministry of Finance, Government of India. (n.d.). Types of Invoices Under GST. Goods & Services Tax Network. Retrieved from https://www.gstn.org/
- 4. Central Board of Indirect Taxes and Customs. (n.d.). How to File GST Returns: Step-by-Step Guide. Goods & Services Tax Network. Retrieved from https://www.gstn.org/

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	2	1	-	-	-	-	-	-	-
CO 2	3	ı	2	-	ı	ı	-	-	-
CO 3	3	2	ı	ı	ı	ı	ı	-	-
CO 4	ı	1	ı	ı	ı	ı	ı	3	2
CO 5	- 1	. 1	2	- 1	. 1	. 1	-	2	3
CO 6	-	-	-	-	-	-	-	3	3

CORRELATION LEVELS:

Level	Correlation			
-	Nil			
1	Slightly / Low			
2	Moderate / Medium			
3	Substantial / High			

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar (10%)
- Internal Exam (10%)
- Assignments (10%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	✓		√
CO 2	✓		1	✓
CO 3	✓	✓	✓	✓
CO 4	✓	1	1	✓
CO 5		✓	✓	
CO 6			1	



Programme	B.A. Economics Honours				
Course Title	SECURITY TRADI	NG PRACT	TICES		
Type of Course	MDC				
Semester	I				•
Academic Level	100 – 199				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours •
	3	3	-	-	45
Pre-requisites	Basic course on stock market of level 0 - 99				
Course Summary	This course is designed to provide a theoretical and practical				
	background in the fie	ld of investm	nents.		

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Students will acquire a conceptual foundation in the field of investments.	U	С	Instructor- created exams / Quiz
CO 2	Learners will gain skills in designing and managing both bond and equity portfolios in real-world scenarios.	Ap	P	Practical Assignment using paper trading app
CO 3	Students will be able to value various financial instruments, including equity and debt securities	An	P	Seminar Presentation / Group Discussion
CO 4	Evaluate the characteristics of various avenues of investment.	E	M	Instructor- created exams / Home Assignments

Metacognitive Knowledge (M)

Modul	Unit	Content	Hrs	Marks
e			1113	
	I	8	11	
	1	Financial Market—Primary and Secondary market	1	
	2	instruments of secondary market;	1	
_	3	2		
I	4	Different types of trading—overview of derivative market, futures and options, Major indices of BSE and NSE.	2	
	5	Different trader in the secondary market—FIIs, DIIs, retailers	2	
II		Equity Selection	8	11

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P)

The Fundamental Analysis: Meaning and importance Important ratios; Price-to-Earnings (P/E) ratio-Price-to-Book (P/B) ratio -Dividend Yield, Earnings Per Share (EPS), ROCE and ROE, D/EBITDA, EV/EBITDA Technical Analysis: Meaning and importance important methods—chart, candle sticks—important indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX — Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT), Markowitz portfolio theory, Behavioural Portfolio	2 2 3 8	
(EPS), ROCE and ROE, D/EBITDA, EV/EBITDA Technical Analysis: Meaning and importance important methods—chart, candle sticks important indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX – Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),	3	
Technical Analysis: Meaning and importance important methods—chart, candle sticks important indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX – Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),	3	
important methods—chart, candle sticks important indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX – Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),	3	
indicators namely, Support, resistance, RSI, Moving Average, volume, price channel, VIX – Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),		
Average, volume, price channel, VIX – Portfolio Creation Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),		
Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),	8	
Theories of portfolio creation: Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT),	8	
Model (CAPM), Arbitrage Pricing Theory (APT),		11
Theory	4	
Different types of Brokers Process of opening a demat account with a discount broker	2	
Maintain trading account details— P& L statement-capital gain – capital gain tax details that are to be included in the income tax return.	2	
Trade Management	12	17
Different Sectors in secondary market eg Banking, Auto,		
, , , , , , , , , , , , , , , , , , , ,	2	
Portfolio allocation and selection in different sectors.	2	
	2	
Trader psychology—need and approach to maintain good psychology by a trader	2	
Practice—download a virtual trading platform and selection	1	
Creating portfolio composing of multiple segments	1	
Getting familiar with the demat account of any one broker preferably select one who do not charge AMC or	2	
	9	
•		
	Maintaining risk-reward—Position sizing of equities Capital building through cumulative investment Trader psychology—need and approach to maintain good psychology by a trader Practice—download a virtual trading platform and selection Creating portfolio composing of multiple segments Getting familiar with the demat account of any one	Portfolio allocation and selection in different sectors. Maintaining risk- reward—Position sizing of equities Capital building through cumulative investment Trader psychology—need and approach to maintain good psychology by a trader Practice—download a virtual trading platform and selection Creating portfolio composing of multiple segments Getting familiar with the demat account of any one broker preferably select one who do not charge AMC or brokerage fees Open Ended Module Analyze the current trend Draw accurate trend lines

REFERENCE:

- 1. Investments" by Zvi Bodie, Alex Kane, and Alan J. Marcus (McGraw-Hill, 12th edition, 2023)
- 2. "The Stock Market Game" by Robert Hagstrom (John Wiley & Sons, 10th edition, 2022)
- 3. "Investing for Dummies" by Matthew Krantz (Wiley, 6th edition, 2023)
- 4. "The Intelligent Investor" by Benjamin Graham (HarperCollins, Revised edition by Jason Zweig, 2003)

- 5. "Security Analysis" by Benjamin Graham, David L. Dodd, and Sidney B. Zweig (McGraw-Hill, 8th edition, 2014)
- 6. "Technical Analysis Explained" by Martin Pring (McGraw-Hill, 5th edition, 2018)
- 7. "Trading in the Zone" by Mark Douglas (Harriman House Publishers, 3rd edition, 2011)
- 8. "Demat and Trading Guide" by NSE Academy (Available online at nseindia.com)
- 9. "A Random Walk Down Wall Street" by Burton Malkiel (Norton, 13th edition, 2023)
- 10. "The Art of Asset Allocation" by Roger Ibbotson and Rex Sinquefield (Wiley, 5th edition, 2019)

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	1	-	1	-	-	1	-	-
CO 2	-	3	-	1	-	-	2	-	-
CO 3	3	-	-	1	-	-	-	-	-
CO 4	-	3	1	2	-	-	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		1
CO 2	1		1	/
CO3	1	/		/
CO 4	✓	✓		✓

Programme	B.A. Economics Hon	ours			
Course Title	DIGITAL ECONOM	MY			
Type of Course	MDC				
Semester	II				
Academic Level	100 - 199				
Course Details	Credit	Lecture	Tutorial	Practical	Total
		per week	per week	per week	Hours
	3	3	-	-	45
Pre-requisites	Basic course on Economics of 0 – 99 level				
Course	This course is designed to provide a theoretical and practical knowledge				
Summary	about digital economy	y			

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand the Historical foundations and impact of the	U	С	Instructor- created exams /
	digital economy.			Quiz, Assignment
CO 2	Analyze business and innovation in the digital age.	An	P	Case Study Analysis,
CO 3	Critically evaluate the role of data and analytics.	E	M	Research Paper, Debate Participation
CO 4	Assess the policy and social implications of the digital economy.	Ap	p	Instructor- created exams / Home Assignments

Module	Unit	Content	Hrs	Marks
I		Foundations of the Digital Economy	12	17
		The Rise of the Digital Economy: Historical context, key		
	1	technologies, economic impact of digital economy on	2	
		economic growth, productivity and employment.		
	2	Definition and Meaning of Digital Economy	1	
	3	Digital Goods and Services: Characteristics, pricing		
	<u> </u>	models, and distribution channels.	2	
	4	Platforms and Marketplaces: Two-sided markets, network	2	
	4	effects, and platform power.		
	5	Data & Information Economics: The information value	2	
		chain, big data.		
	6	6 Privacy: Data protection and security – privacy concerns		
	7	Theories of Digital Economy: Growth theory of digital	2	
		economy –endogenous growth theory – monetary theory of		

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

		digital economy				
		Business and Innovation in the Digital Age	8	11		
	8	8 E-commerce and Online Retail: Business models, customer behaviour, and logistics challenges.				
	9	Logistic – Logistic – models – challenges of E-commerce				
II	10	The Sharing Economy: Collaborative consumption, platform competition, and regulatory issues.	2			
	11	Fintech and Financial Innovation: Digital payments, cryptocurrencies, and blockchain technology	2			
	12	Digital Transformation and Strategy: How businesses are adapting to the digital environment.	2			
		Data and Analytics	8	11		
III	13	The Role of Data and Analytics – Big data, data analytics, and their importance in the digital economy.	3			
111	14	Emerging trends and technologies shaping the future of the digital economy, such as AI, blockchain, and the metaverse.	4			
	15	The ethical implications of data collection and usage	1			
		Policy and Social Implications of the Digital Economy	8	11		
	16	Competition Policy and Antitrust in the Digital Era: Regulating platform monopolies and market dominance	2			
IV	17	Intellectual Property and Copyright in the Digital Age: Challenges of protecting digital content and innovation.	2			
l v	18	Digital Divide and Inequality: Access to technology, skills development, and social justice concerns.	2			
	19	The Future of Work in the Digital Economy: Automation, job displacement, and new skills requirements.	2			
		Digital Economy and India	9			
		Discussion based on different digital systems, platforms,				
IV		technologies, etc. prevailing in India				
		Practical Assignments on digital economy in India				
		Seminar on the digital economy and shaping of policies in				
		India				

REFERENCE:

- 1. Harld Overby and Jan Arild Audestad (2021). *Introduction to Digital Economics: Foundation, Business Models and Case Studies.* Springer.
- 2. Don Tapscott and Anthony D. Williams (2016). *The Digital Economy: Concepts and Applications*. McGraw-Hill Education (Module I)
- 3. Liu, Z. (2022). *Principles of Digital Economics: Innovation Theory in the Age of Intelligence*. Springer Nature. (Module 1, Unit 7)

ADDITIONAL READINGS

- 1. Mayer-Schönberger, V., & Cukier, K. (2013). *Big data: A Revolution that Will Transform how We Live, Work, and Think.* Houghton Mifflin Harcourt.
- 2. Davenport, T., & Harris, J. (2017). *Competing on Analytics: Updated, with a New Introduction: The New Science of Winning.* Harvard Business Press.
- 3. Russell, S., & Norvig, P. (2021). *Artificial Intelligence: A Modern Approach*, Global Edition. Pearson Higher Ed.
- 4. Zuboff, S. (2019). *The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power*. Profile Books.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	2	-	1	1	-	1	-	-
CO 2	2	3	3	3	-	2	2	-	-
CO 3		1	-	2	2	3	2	-	-
CO 4	2	3	1	3	3	1	3	-	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (30%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1			✓
CO 2	1		✓	✓
CO 3	✓	/	✓	1
CO 4	1	√	1	1

Programme	B.A. Economics Ho	B.A. Economics Honours					
Course Title	FINANCIAL LIT	FINANCIAL LITERACY AND PERSONAL FINANCE					
Type of Course	Value Added Cou	rse					
Semester	III						
Academic Level	100 – 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	3	3	_	-	45		
Pre-requisites	Basic course on Eco	onomics of 0	– 99 level				
Course Summary	This course provo	kes the stud	dents on the	importance	of personal		
	financial planning	financial planning and imparts basic financial literacy principles, with					
	the intention of building in them capability to manage personal						
	finances optimally	in various sta	ages of life.				

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic principles of personal finance and its applications.	U	С	Instructor- created exams / Quiz
CO2	Develop and practice the skill of planning and managing personal finances efficiently.	Ap	Р	Practical Assignment / Creating a sample personal financial plan
CO3	Help the students master the concept of time value of money and provide them with necessary skills to beat inflation and maintain the purchasing power of money.	U	С	Seminar Presentation / Group Discussion
CO4	Understand and apply structured personal financial techniques in real life situations.	Ap	Р	Instructor- created exams / Home Assignments
CO5	Provide the students with an understanding of various financial products like bank accounts, insurance products and equities and enable them	U	F	Writing assignments

	to acquire a diversified portfolio of financial products in real life.			
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge to evaluate complex financial products.	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge

⁽P) Metacognitive Knowledge (M)

		LLABUS:	1	
Module	Unit		Hrs	Marks
		Personal Financial Planning/Financial Literacy	10	14
		s of financial planning		
	1	Meaning of financial planning and the importance of financial	1	
		planning.		
	2	Risk vs return (inflation risk, market risk and exchange risk).	1	
_	3	Planning for the short, medium and long term.		
I	4	Introducing financial products that suit short, medium and		
		long time horizons.	3	
	5	Short term and money market or debt instruments		
	6	Long term and asset backed investments.		
	Time	value of money		
	7	Inflation and its impact on personal financial security,		
	8	Concepts of absolute income and real income.	3	
	9	Concepts of nominal rate of interest and real rate of interest.		
	10	Principles of compounding and discounting.	2	
		The financial planning process	08	11
	11	The fact find or taking stock ones financial situation, identifying	3	
		present provisions and shortfalls.		
II	12	Setting SMART (specific, measurable, achievable,	2	
		realistic, time bound) financial goals.		
	13	Concept of diversification-putting your eggs into different	1	
		baskets.		
	14	Physical assets like commodities (gold, silver and other	2	
		precious metals) and properties.		
		Financial products	08	11
		Savings bank accounts, current account, fixed deposits,		
	15	recurring deposits. Introducing and debit cards. Modes of	2	
		transfers-IMPS, NEFT, RTGS, UPI.		
III	16	Bonds, debentures and other debt funds.	1	
	17	Equity market products, Risks involved in equity market	3	
		investments. stocks, shares, equities, mutual funds, derivatives,		
		options.		
		NSE, BSE, OTC Exchange of India. Stock market indices,		
	18	Nifty, SENSEX, S&P, NASDAQ.	2	
		Insurance and pension products	10	14
IV	19	Insurance as a risk management device. Life insurance,	2	1
		(introduce various types of life products like term insurance,		
		endowment plans,		
		unit-linked policies (ULIPs etc.), Riders in insurance (eg.	2	1
		critical illness benefit, hospitalisation benefit, permanent total		
		disability etc.). Property and casualty insurance,		
		health/medical insurance. Two rules of		
		calculating life cover-multiples of salary and the inflation rule.		
		The need for retirement security. Pension products. Difference		
	20	between statutory pension system and contributory pension.	2	
		J 1 J 1 I I I I I I I I I I I I I I I I		
		200		

		National Pension system and its features. Tier I and Tier II contributions in the NPS . Investment options-active choice and auto choice.		
	21	Annuities. Difference between annuities and pensions. Various types of annuities-fixed, variable and equity linked.	2	
	22	Retirement pension policies of life insurance companies. Annuity service providers (ASP). Role of IRDAI and PFRDA as regulators.	2	
		Open Ended Module	9	
		Discussion based on the exit of governments from pension provision.		
V		Practical Assignments to create a sample personal financial plan for an individual/ family making provisions for emergency funds, savings, insurances and retirement schemes.		
		Seminar/workshop on investor awareness with a focus on stock/equity investments.		

REFERENCE:

- 1. Lokesh Sehgal (2023). Learn and Practice Financial Planning
- 2. Nevar Theodore Malabre (2020). Financial Literacy: Understanding the Basics of Financial Investments
- 3. Purvi Kothari and Keyur Mehta (2010). Financial Investment and Financial Planning

ADDITIONAL READING

- 1. Kana Sukumaran (2024). Personal Finance: A Treatise on Financial Literacy
- 2. Introduction to Financial Planning (2017) By Indian Institute of Banking and Finance
- 3. Prasanna Chandra. Financial Management: Theory and Practice

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	3	-
CO 2	1	2	2	-	-	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	/		✓
CO 2	√		√	✓
CO 3	1	/		✓
CO 4	✓	✓		✓
CO 5		1	✓	
CO 6			1	

Programme	B.A. Economics Honours						
Course Title	DIGITAL MARK	DIGITAL MARKETING AND E-COMMERCE STRATEGIES					
Type of Course	Value Added Cours	se					
Semester	IV						
Academic Level	100 – 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	3	3	-	-	45		
Pre-requisites	Basic course on Eco	onomics of 0	– 99 level				
Course Summary	The course equips students to understand the basics of marketing and						
	how effectively th	how effectively they can use digital medias to run a successful					
	business venture.						

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	Understand the basic principles of marketing	U	С	Instructor- created exams / Quiz
CO2	Develop and practice the skill of planning and managing e commerce	Ap	Р	Practical Assignment / Creating a sample personal financial plan
CO3	Help the students master the concept of digital marketing and provide them with necessary skills to run an online business	U	С	Seminar Presentation / Group Discussion
CO4	Understand and apply digital marketing techniques in real business world.	Ap	P	Instructor- created exams / Home Assignments
CO5	Provide the students with an understanding of various digital platforms and marketing strategies and enable them to run successful business	U	F	Writing assignments
CO6	Demonstrate critical thinking and problem-solving skills by applying the acquired knowledge in complex business world	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge

וע	CIAII	LED SYLLABUS:		
Module	Unit	Content	Hrs	Marks
I		Basic concepts of marketing	10	14
	1	Meaning of marketing	1	
	2	Customer value	1	
	3	Customer relationship management- concept and process		
	4	Customer buying behaviour		
	5	Buyer decision process	3	
	6	Competitor analysis		
	7	New product development		
	8	Price strategies	3	
	9	Positioning strategies		
	10	Market targeting	2	
II		Introduction to Digital marketing	08	11
	11	Meaning, evolution and channels of digital marketing	3	
	12	Search Engine Optimization, Search Engine Marketing.	2	
	13	Content Marketing	1	
	14	Social media platforms and marketing	2	
III		The concept of E-Commerce	08	11
	15	Meaning and concept, E– commerce v/s Traditional Commerce	2	
	16	Importance, features & benefits of E– Commerce	1	
	17	Impacts, Challenges & Limitations of E– Commerce and	3	
		Supply chain management		
	18	Payment systems and security issues	2	
IV		Website planning	10	14
	19	Website Planning & Creation: Content Marketing Strategy, Keywords Research and Analysis	3	
	20	Web Presence and Creating content	3	
	21	Different types of display advertising	2	
	22	Google analytics	2	
v V		Open Ended Module	9	
v		Discussion on various social media platforms		
		Practical Assignments case study on the success story of any popular e-commerce provider.		

REFERENCE:

- 1. E-Commerce Strategy, Technologies and Applications, Whitley, David, Tata McGraw Hill.
- 2. Philip Kotler and Eduardo Roberto, Social Marketing: Strategies for Changing Public Behavior, The Free Press, 1989.

ADDITIONAL READING

1. Philip Kotler, Marc Oliver Opresnik, and Kahzon Takaoko, *Digital Marketing Management and Transformation by Innovation* (2020)Philip Kotler and Christian Sarkar, *Losing Our Democracy* (2020)

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	3	-
CO 2	-	2	2	-	-	-	3	2	-
CO 3	-	3	2	-	1	-	1	1	-
CO 4	-	3	-	-	-	-	-	2	-
CO 5	-	-	-	-	-	-	2	3	-
CO 6	-	3	2	-	-	-	2	2	-

CORRELATION LEVELS:

Level	Correlation		
-	Nil		
1	Slightly / Low		
2	Moderate / Medium		
3	Substantial / High		

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	/		√
CO 2	✓		✓	✓
CO 3	✓	/		✓
CO 4	✓	✓		✓
CO 5		/	✓	
CO 6			1	

Programme	B.A. Economics Honours						
Course Title	BIG DATA ANAI	BIG DATA ANALYSIS IN ECONOMICS					
Type of Course	SEC						
Semester	V						
Academic Level	100 - 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	3	3	-	ı	45		
Pre-requisites	Basic Economics C	ourse of 0 –	99 level				
Course Summary	The students will be able to identify the role of big data in economic						
	theory, using big data for prediction purpose and make capable for						
	helping private and	public polic	ies				

CO	CO Statement	Cognitive	Knowledge	Evaluation Tools
		Level*	Category#	used
CO	Understand the characteristics	U	F	Instructor-created
1	and sources of data			exams / Quiz
CO	Analyze different Motivating	Ap	С	Practical
2	applications			Assignment /
				Observation of
				Practical Skills
CO	Evaluate Architectures for big	E	P	Seminar
3	data collection			Presentation /
				Group Discussion
CO	Apply Big Data for Prediction	Ap	P	Instructor-created
4	and Public Policy			exams / Home
	-			Assignments
CO	Create programs for big data	С	M	Running
5	analytics			programs
CO	Demonstrate critical thinking	Ap	M	Viva Voce
6	and problem-solving skills by	•		
	applying the acquired			
	knowledge to address complex			
	economic challenges in the			
	contemporary world.			
H	1 (D) II 1 . 1(II) A	1 (/A > E 1 . /E	

Modul	Unit	Content	Hrs	Marks
е				
I		The Role of Economic Theory in big data	8	10
	1	Characteristics of Big data.	2	
	2	The need for Analytics and Understanding Analytics:	2	
		Impact of analytics on business; Being analytically		
		competitive; Models and algorithms in Analytics; The		
		Analytics Methodology		

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C) # - Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

	1 2	A.1	2	
	3	Advantages of big data in the economic research and	2	
		policymaking		
	4	Challenges and risks in big data	2	
II		Major economic data sources	9	12
	5	Sources of big data - National and International	3	
	6	Motivating applications: web scraping, social media,	3	
		Google.		
	7	Real time data (Social media and the labor market)	3	
III		Using Big Data to Advanced Economic Theory	9	14
	8	Tool and Tech Landscape: A review of technology used in	2	
		data storage, data processing, and data science; Popular		
		tools used in Data Science and when to use each		
	9	Using Big Data for Prediction and Public Policy	2	
	10	Architectures for big data collection, analysis, and	1	
		storage.		
	11	Using micro data to answer macroeconomic questions	2	
	12	Finance and high frequency trading	2	
IV		Machine learning methods		14
- T	1	Machine learning memous	10	17
_ •	13		10 1	17
1,		Linear Regression Models and their applications	1	14
- •	14	Linear Regression Models and their applications Logistics Regression Models and their applications	1 2	14
	14 15	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting	1 2 2	14
•	14	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees,	1 2	14
•	14 15 16	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests.	1 2 2 1	14
•	14 15	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning:	1 2 2	14
•	14 15 16 17	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information.	1 2 2 1	17
	14 15 16	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information. Text mining: natural language processing, latent Dirichlet	1 2 2 1	17
	14 15 16 17 18	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information. Text mining: natural language processing, latent Dirichlet allocation, sentiment analysis.	1 2 2 1 1	17
	14 15 16 17	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information. Text mining: natural language processing, latent Dirichlet allocation, sentiment analysis. Big Data Analytics with R.	1 2 2 1 1 1	17
V	14 15 16 17 18	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information. Text mining: natural language processing, latent Dirichlet allocation, sentiment analysis. Big Data Analytics with R. Open Ended Module	1 2 2 1 1	17
	14 15 16 17 18	Linear Regression Models and their applications Logistics Regression Models and their applications Time Series Forecasting k-nearest-neighbors, classification and regression trees, random forests. An overview of neural networks and deep learning: Images, sounds, text, as sources of information. Text mining: natural language processing, latent Dirichlet allocation, sentiment analysis. Big Data Analytics with R.	1 2 2 1 1 1	

REFERENCE:

- 1. "Big Data: A Revolution That Will Transform How We Live, Work, and Think" by Viktor Mayer-Schönberger and Kenneth Cukier, Houghton Mifflin Harcourt, 2013
- 2. "Machine-learning Techniques in Economics: New Tools for Predicting Economic Growth" by Atin Basuchoudhary, James T. Bang, and Tinni Sen, Springer.
- 3. "Data Science for Economics and Finance: Methodologies and Applications" edited by Sergio Consoli, Diego Reforgiato Recupero, and Michaela Saisana, Springer.
- 4. Antenucci, Dolan, et al. (2014) "Using social media to measure labor market flows." Working paper no. w20010. National Bureau of Economic Research.

- 5. Athey, S. (2018). "The impact of machine learning on economics", in The Economics of Artificial Intelligence: An Agenda. University of Chicago Press.
- 6. BDS Taddy, M. (2019) Business Data Science: Combining Machine Learning and Economics to Optimize, Automate, and Accelerate Business Decisions. McGraw Hill.
- 7. Choi, Hyunyoung and Hal Varian (2009). "Predicting the present using Google Trends" Working paper.
- 8. Dave Donaldson and Adam Storeygard, The View from Above: Applications of Satellite Data in Economics, The Journal of Economic Perspectives, Fall 2016, Vol. 30, No. 4 (Fall 2016), pp. 171-198, Published by: American Economic Association.
- 9. Einav, Liran, and Jonathan D. Levin. (2013) "The data revolution and economic analysis." Working paper no. w19035. National Bureau of Economic Research.
- 10. Hal R. Varian, Big Data: New Tricks for Econometrics, The Journal of Economic Perspectives, Spring 2014, Vol. 28, No. 2 (Spring 2014), pp. 3-27, American Economic Association
- 11. Jay Liebowitz, "Big Data and Business Analytics" Auerbach Publications, CRC press (2013)
- 12. Liran Einav and Jonathan Levin, The Data Revolution and Economic Analysis, Innovation Policy and the Economy, Vol. 14, No. 1 (January 2014), pp. 1-24, The University of Chicago Press on behalf of the The National Bureau of Economic Research
- 13. Michael Berthold, David J. Hand, "Intelligent Data Analysis", Springer, 2007.
- 14. Seema Acharya, Subhasini Chellappan, "Big Data Analytics" Wiley 2015.
- 15. Sendhil Mullainathan and Jann Spiess, Machine Learning: An Applied Econometric Approach, The Journal of Economic Perspectives, Spring 2017, Vol. 31, No. 2 (Spring 2017), pp. 87-106, American Economic Association
- 16. Stephen Hawkins, Brief Answers to the Big Questions (Selected Chapters)
- 17. Yuval Harari, 21 Lessons for the 21st Century

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	3	2	2	3	2	3
CO 2	1	1	1	2	2	2	3	2	3
CO 3	1	1	1	2	2	2	3	2	3
CO 4	1	1	2	2	2	2	3	3	3
CO 5	2	2	1	3	2	2	3	3	3
CO 6	1	1	2	2	2	2	3	3	3

CORRELATION LEVELS:

Level	Correlation	
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam

- Practical Assignments (20%)Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	√	✓		✓
CO 2	✓	√	✓	✓
CO 3	✓	✓	✓	✓
CO 4	✓	√	1	✓
CO 5		√	1	
CO 6			1	

Programme	B.A. Economics Honours						
Course Title	ECONOMIC RESEARCH WITH R						
Type of Course	SEC						
Semester	VI						
Academic Level	100 - 199						
Course Details	Credit	Lecture	Tutorial	Practical	Total		
		per week	per week	per week	Hours		
	3	3	-	-	45		
Pre-requisites	Basic Economics, Ba	sic Mathema	tics and Basi	c Statistics co	urses of 0 –		
	99 level						
Course Summary	This course provides an introductory exposure to Economics research						
	using 'R' with imparting basic programming skills in the various						
	functions in R, which enable the students to apply various functions						
	learned in Economic	Research.					

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO 1	Understand basic programming in R.	U	С	Instructor-created exams / Quiz
CO 2	Analyse various loops and use them appropriately	Ap	P	Practical Assignment /Case Studies in the Indian context
CO 3	Evaluate various data analysis tools and employ them appropriately.	U	P	Seminar Presentation / Group Discussion
CO 4	Apply various functions/models in Economic Research	Ap	С	Instructor-created exams / Home Assignments/Cases in the Indian context
CO 5	Design various models and use it in the data analysis.	E	P	Writing assignments
CO 6	Demonstrate problem-solving skills by applying the acquired knowledge in R software to address complex economic challenges in the contemporary world.	Ap	P	Viva Voce

^{* -} Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

^{# -} Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

Modul	Uni	Content	Hrs	Marks
e	t			
I		Introduction to R and R studio.	7	10
	1	Basics of R programming	1	
	2	R Markdown files	2	
	3	Primitive Object Types: Vectors, List	2	
	4	Matrices, Arrays, Factors, Data frames.	2	
II		Loops in R and Functions in R.	6	8
	5	if, else, while and for loops.	2	
	6	apply () class functions	2	
	7	Writing your own function	2	
III		UNIT 3 Data management with Tidyverse	12	17
	8	Importing and exporting data	2	
	9	Introduction to tidyverse and tidy workflow	2	
	11	Data extraction	2	
	12	Data cleaning	1	
	13	Data formatting and wrangling	2	
	14	Creating summary statistics tables	1	
	15	Basic data analysis using tidyverse	2	
IV	UNIT	4 Data Visualisation and Basics of Plotting in R	11	15
	16	Creating plots with base R functions.	1	
	17	Introduction to ggplot. Data visualization using ggplot2	1	
	18	Linear models - Generic functions for extracting model information - Linear (Multiple Regression) Models	3	
	19	The (Model Formula in Straight Line Regression) - Analysis of variance (ANOVA) and ANOVA tables	6	
V		Open Ended Module	9	
	τ	Use Various models learned in the above modules		

REFERENCE:

- 1. Zamora Saiz, A., Quesada González, C.,& Mondéjar Ruiz, D. (2020). Introduction to R. An Introduction to Data Analysis in R: Hands-on Coding, Data Mining, Visualization and Statistics from Scratch, 9-67.
- 2. Hafner, S. (2019). An Introduction to R for Beginners.

(www.researchgate.net/publication/

- 325170649 An Introduction to R for Beginners).
- 3. https://rstudio-education.github.io/hopr/preface.html

4. https://r4ds.had.co.nz/

ADDITIONAL READINGS

- 1. Maindonald, J., & Braun, J. (2006). *Data analysis and graphics using R: an example-based approach* (Vol. 10). Cambridge University Press.
- 2. www.cran.r-project.org.

MAPPING OF COS WITH PSOS:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO 1	3	-	-	-	-	-	-	-	-
CO 2	1	3	-	1	1	-	2	-	-
CO3	3	1	1	1	1	-	-	-	-
CO 4	-	3	1	2	-	-	3	1	-
CO 5	3	-	-	-	-	-	2	1	1
CO 6	ı	2	2	3	3	-	3	1	1

CORRELATION LEVELS:

Level Correlation		
-	Nil	
1	Slightly / Low	
2	Moderate / Medium	
3	Substantial / High	

ASSESSMENT RUBRICS:

- Quiz / Assignment/ Viva Voce/ Discussion / Seminar
- Internal Exam
- Practical Assignments (20%)
- Final Exam (70%)

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	1	/		✓
CO 2	1		1	/
CO 3	1	/		/
CO 4	1	✓		/
CO 5		/	1	1
CO 6			1	