

INDIRA GANDHI UNIVERSITY, MEERPUR-REWARI**DEPARTMENT OF ECONOMICS**

(A State University Established under Haryana Act No 29 of 2013)

Recognized u/s 12 (b) & 2(f) of UGC Act, 1956

**Structure, Scheme of Examination and Syllabi (Semester I-VIII) for the Subject of Economics
Choice-Based Credit System (CBCS-LOCF) in accordance with NEP-2020, with Multiple Entry/Exit System
w.e.f. 2024-25****List of Courses Offered in the Subject of Economics for UG Programmes – Multidisciplinary (Scheme A), Major in Economics & Minor in
Other Subject (Scheme B) and Single Major in Economics (Scheme C)**

Sem	Course Type	Course Code	Name of Course	Credits	Contact Hours Per Week	Internal Assessment Marks	End Term Exam Marks	Total Marks	Duration of Exam (Hrs.)
I	CC-1 MCC-1	24L4.5-ECO-101	MICRO ECONOMICS-I	4	4	30	70	100	3
I	MCC-2	24L4.5-ECO-102	BASIC PUBLIC FINANCE	4	4	30	70	100	3
I	CC-M1	24L4.5-ECO-103	INTRODUCTORY ECONOMICS	2	2	15	35	50	3
I	MDC-1	24L4.5-MDC-ECO-101	BASICS OF ECONOMICS	3	3	25	50	75	3
II	CC-2 MCC-3	24L4.5-ECO-201	MACRO ECONOMICS-I	4	4	30	70	100	3
II	DSEC-1	24L4.5-ECO-202	ECONOMIC SURVEY TECHNIQUES	4	5	30	70	100	3
II	CC-M2	24L4.5-ECO-203	INTRODUCTION TO INDIAN ECONOMY	2	2	15	35	50	3
II	MDC-2	24L4.5-MDC-ECO-201	INDIAN ECONOMIC ENVIRONMENT	3	3	25	50	75	3
III	CC-3 MCC-4	24L5.0-ECO-301	MICRO ECONOMICS-II	4	4	30	70	100	3
III	MCC-5	24L5.0-ECO-302	BASIC STATISTICS FOR ECONOMICS	4	4	30	70	100	3
III	MDC-3	24L5.0-MDC-ECO-301	CURRENT ISSUES IN GLOBAL ECONOMY	3	3	25	50	75	3
IV	CC-4 MCC-6	24L5.0-ECO-401	MACRO ECONOMICS-II	4	4	30	70	100	3
IV	MCC-7	24L5.0-ECO-402	ADVANCED STATISTICS FOR ECONOMICS	4	4	30	70	100	3
IV	MCC-8	24L5.0-ECO-403	INDIAN FINANCIAL SYSTEM	4	4	30	70	100	3
IV	DSE-1	24L5.0-ECO-404	INDUSTRIAL ECONOMICS	4	4	30	70	100	3
OR									
IV	DSE-1	24L5.0-ECO-405	MONEY & BANKING	4	4	30	70	100	3



Sem	Course Type	Course Code	Name of Course	Credits	Contact Hours per Week	Internal Assessment Marks	End Term Exam Marks	Total Marks	Duration of Exam (Hrs.)
V	CC-5 MCC-9	24L5.5-ECO-501	ECONOMICS OF GROWTH & DEVELOPMENT	4	4	30	70	100	3
V	MCC-10	24L5.5-ECO-502	DEMOGRAPHY	4	4	30	70	100	3
V	DSE-2	24L5.5-ECO-503	ECONOMICS OF INFRASTRUCTURE	4	4	30	70	100	3
OR									
V	DSE-2	24L5.5-ECO-504	ECONOMICS OF AGRICULTURE	4	4	30	70	100	3
V	DSE-3	24L5.5-ECO-505	FINANCIAL ECONOMICS	4	4	30	70	100	3
OR									
V	DSE-3	24L5.5-ECO-506	HARYANA ECONOMY	4	4	30	70	100	3
VI	CC-6 MCC-11	24L5.5-ECO-601	INDIAN ECONOMY	4	4	30	70	100	3
VI	MCC-12	24L5.5-ECO-602	ECONOMICS OF LABOUR	4	4	30	70	100	3
VI	DSE-4	24L5.5-ECO-603	COMPUTER APPLICATIONS IN ECONOMICS	4	5	30	70	100	3
OR									
VI	DSE-4	24L5.5-ECO-604	ECONOMICS OF INSURANCE	4	4	30	70	100	3
VI	DSE-5	24L5.5-ECO-605	GENDER ECONOMICS	4	4	30	70	100	3
OR									
VI	DSE-5	24L5.5-ECO-606	WELFARE ECONOMICS	4	4	30	70	100	3
VII	CC-H1	24L6.0-ECO-701	MATHEMATICS FOR ECONOMICS	4	4	30	70	100	3
VII	CC-H2	24L6.0-ECO-702	INTERNATIONAL ECONOMICS	4	4	30	70	100	3
VII	CC-H3	24L6.0-ECO-703	PUBLIC ECONOMICS	4	4	30	70	100	3
VII	DSE-6	24L6.0-ECO-704	ECONOMETRICS	4	4	30	70	100	3
OR									
VII	DSE-6	24L6.0-ECO-705	GROWTH MODELS IN ECONOMICS	4	4	30	70	100	3
VII	PC-H1	24L6.0-ECO-706	ECONOMIC DATA ANALYSIS	4	8	30	70	100	3
VIII	CC-H4	24L6.0-ECO-801	MATHEMATICAL ECONOMICS	4	4	30	70	100	3
VIII	CC-H5	24L6.0-ECO-802	ENVIRONMENTAL ECONOMICS	4	4	30	70	100	3
VIII	CC-H6	24L6.0-ECO-803	SCHOOLS OF ECONOMIC THOUGHT	4	4	30	70	100	3
VIII	DSE-7	24L6.0-ECO-804	ECONOMICS OF HEALTH	4	4	30	70	100	3
OR									
VIII	DSE-7	24L6.0-ECO-805	ECONOMICS OF EDUCATION	4	4	30	70	100	3
VIII	PC-H2	24L6.0-ECO-806	APPLICATION SOFTWARE FOR ECONOMICS	4	8	30	70	100	3

**SCHEME/S AND SYLLABI FOR IN ECONOMICS AS PER NEP-2020 (MULTIPLE ENTRY- MULTIPLE EXIT-WITH (CBCS-LOCF)
UG Programme (Multidisciplinary): Scheme A**

First Year: Scheme A										
Semes ter	Subject-1 Core Courses	Subject-2 Core Courses	Subje ct-3 Core Cours es	Minor /Vocational	Multidisciplinary Courses	Ability Enhancement Courses	Skill Enhancement Courses	Value Added Course	Total Credit s	Exit Option
I	CC-A1 (4 credit) 24L4.5- ECO-101 MICRO ECONOMI CS-I	CC-B1 (4 credit)	CC- C1 (4 credit)	CC-M1 2 credit 24L4.5-ECO- 103 INTRODUCT ORY ECONOMICS	MDC-1 3 credit 24L4.5-MDC-ECO-101 BASICS OF ECONOMICS	AEC-1 2 credit	SEC-1 3 credit	VAC-1 2 credit	24	Under Graduate Certificate in Discipline with 52 credits
II	CC-A2 (4 credit) 24L4.5- ECO-201 MACRO ECONOMI CS-I	CC-B2 (4 credit)	CC- C2 (4 credit)	CC-M2 2 credit 24L4.5-ECO- 203 INTRODUCT ION TO INDIAN ECONOMY	MDC-2 3 credit 24L4.5-MDC-ECO-201 INDIAN ECONOMIC ENVIRONMENT	AEC-2 2 credit	SEC-2 3 credit DSEC-1 24L4.5-ECO-202 ECONOMIC SURVEY TECHNIQUES	VAC-2 2 credit	24	
Internship of 4 credits of 4-6 weeks duration after 2 nd semester										

Note:

1. Credits(C), Core Courses (CC); Discipline Specific Elective Courses(DSE); Discipline Skill Enhancement Courses (DSEC); Skill Enhancement Courses (SEC); Ability Enhancement Courses (AEC); Practicum Courses (PC); Value Added Courses (VAC); Multidisciplinary Courses (MDC)
2. If a student has been admitted to the UG Programme(Multidisciplinary), then that student will select three subjects, A, B, and C, in the first year from the pool of subjects in that discipline offered by the Department/Institute/College.
3. For the second year, a student will opt out of the following options at the beginning of 3rd semester:
 - a) Multi-disciplinary 3Year UG Programme with three subjects (Scheme A)
 - b) UG Programme with one Major and Minor subject (Scheme B)

2 nd Year- Scheme A										
Seme ster	Subject-1 Core Courses	Subject-2 Core Courses	Subject-3 Core Courses	Minor /Vocational	Multi-Disciplinary Courses	Ability Enhancement	Skill Enhancement Courses	Value Added Courses	Total Credits	Exit Option
III	CC-A3 (4 credit) 24L5.0- ECO-301 MICRO ECONOMI CS-II	CC-B3 (4 credit)	CC-C3 (4 credit)	CC-M3 (4 credit) 24L5.0-ECO- 301 MICRO ECONOMIC S-II	MDC-3 3 credit 24L5.0-MDC-ECO- 301 CURRENT ISSUES IN GLOBAL ECONOMY	AEC-3 2 credit	SEC-3 3 credit	--	24	Under Graduate Diploma in Discipline with 96 credits
IV	CC-A4 (4 credit) 24L5.0- ECO-401 MACRO ECONOMI CS-II	CC-B4 (4 credit)	CC-C4 (4 credit)	CC-M4(V) (4 credit)	--	AEC-4 2 credit	--	VAC-3 2 credit	20	
Internship of 4 credits of 4-6 weeks duration after 4 th semester										
3 rd Year- Scheme A										
V	CC-A5 (4 credit) 24L5.5-ECO- 501 ECONOMIC S OF GROWTH & DEVELOPM ENT	CC- B5 (4 credit)	CC-C5 (4 credit)	CC-M5(V) (4 credit)	--		Internship#(4 credit)s	--	20	Bachelor in Discipline with 132 credits

VI	CC-A6 (4 credit) 24L5.5-ECO-601 INDIAN ECONOMY	CC-B6 (4 credit)	CC-C6 (4 credit)	CC-M6 (4 credit) 24L5.5- ECO-602 ECONOM ICS OF LABOUR CC- M7(V) (4 credit)	- -	--	--		20	
Credit s	Major=72			Minor=24	MDC= 09	AEC= 08	SEC= 09	VAC=06	Internship=04	Total= 132

NOTE: FOR SCHEME 'A' AND SCHEME 'B', FIRST YEAR COURSE STRUCTURE IS COMMON.

Scheme B: Bachelor with Major in ECONOMICS and Minor in "OTHER" Subject

2nd Year Scheme B : Bachelor with Major in (ECONOMICS) and Minor in OTHER Subject

Semester	Major Subject	Minor /Vocational	Multidisciplinary Courses	Ability Enhancement Courses	Skill Enhancement Courses	Value Added Courses	Total Credits	Exit Option
III	MCC-2 (4 credit) 24L4.5-ECO-102 BASIC PUBLICFINANCE	CC-M3(V) (4 credit)	MDC-3 3 credit 24L5.0-MDC-ECO-301 CURRENTISSUES IN GLOBAL ECONOMY	AEC-3 2 credit	SEC-3 3 credit	--	24	
	MCC-4 (4 credit) 24L5.0-ECO-301 MICRO ECONOMICS-II							
	MCC-5 (4 credit) 24L5.0-ECO-302 BASIC STATISTICS FOR ECONOMICS							

IV	MCC-6(4 credit) 24L5.0-ECO-401 MACRO ECONOMICS-II	CC-M4(V) (4 credit)	--	AEC-4 2 credit	--	VAC-3 2 credit	24	
	MCC-7(4 credit) 24L5.0-ECO-402 STATISTICAL TOOLS FOR ECONOMICS MCC-8(4 credit) 24L5.0-ECO-403 INDIAN FINANCIAL SYSTEM DSE-1(4 credit) 24L5.0-ECO-404 INDUSTRIAL ECONOMICS OR 24L5.0-ECO-405 MONEY & BANKING							Undergraduate Diploma in Economics
Internship of 4 credits of 4-6weeks duration after 4th semester								

3 rd Year Scheme B: Bachelor with Major in (ECONOMICS) and Minor in OTHER Subject								
V	MCC-A9 (4 credit) 24L5.5-ECO-501 ECONOMICS OF GROWTH & DEVELOPMENT MCC-A10 (4 credit) 24L5.5-ECO-502 DEMOGRAPHY DSE-A2 (4 credit) 24L5.5-ECO-503 ECONOMICS OF INFRASTRUCTURE OR 24L5.5-ECO-504 ECONOMICS OF AGRICULTURE DSE-A3 (4 credit) 24L5.5-ECO-505 FINANCIAL ECONOMICS OR 24L5.5-ECO-506 HARYANA ECONOMY	--	--		Internship#(4 credit)s	--	20	Bachelor with Major in (Subject) and Minor in (Subject) after earning 136 Credits

VI	MCC-A11(4 credit) 24L5.5-ECO-601	CC-M5(V) (4 credit)	--	--	--	--	20	
	MCC-A12(4 credit) 24L5.5-ECO-602 ECONOMICS OF LABOUR							
	DSE-A4(4 credit) 24L5.5-ECO-603 COMPUTER APPLICATIONS IN ECONOMICS OR 24L5.5-ECO-604 ECONOMICS OF INSURANCE							
	DSE-A5(4 credit) 24L5.5-ECO-605 GENDER ECONOMICSOR 24L5.5-ECO-606 WELFARE ECONOMICS							
Credits	Major = 68	Minor = 32	MDC = 09	SEC = 09	AEC = 08	VAC = 06	Internship = 04	Total = 136
#Four credits of internship, earned by a student during summer internship after 2 nd semester or 4 th semester, will be taken into account in 5 th semester of a student who pursue 3year UG Programmes without taking exit option.								

SCHEME 'C' : UG Programme with Single Major (ECONOMICS)
(A student will take admission in UG Programme with Single Major (Economics) in the first year)

I Year Scheme C: Bachelor with Major in (Economics) and Minor in Same Subject (Economics)								
Semester	Major Subject	Minor /Vocational	Multidisciplinary Courses	Ability Enhancement Courses	Skill Enhancement Courses	Value Added Courses	Total Credits	Exit Option
I	MCC-A1(4 credit) 24L4.5-ECO-101 MICRO ECONOMICS-I MCC-A2(4 credit) 24L4.5-ECO-102 BASIC PUBLIC FINANCE	CC-M1 (4 credit) 24L4.5-ECO-103 INTRODUCTORY ECONOMICS	MDC-1 3 credit 24L4.5-MDC-ECO- 101 BASIC ECONOMICS	AEC-1 2 credit	SEC-1 3 credit	VAC-1 2credit	22	Under Graduate Certificate in Subjects with 48 credits
II	MCC-A3(4 credit) 24L4.5-ECO-201 MACRO ECONOMICS-I DSEC-A1(4 credit) 24L4.5-ECO-202 ECONOMIC SURVEY TECHNIQUES	CC-M2 (4 credit) 24L4.5-ECO-203 INTRODUCTION TO INDIAN ECONOMY	MDC-2 3 credit 24L4.5-MDC-ECO-201 INDIANECONOMIC ENVIRONMENT	AEC-2 2 credit	SEC-2 3 credit	VAC-2 2 credit	22	
	Internship of (4 credit)s of 4-6 weeks duration after 2 nd semester							
2 nd Year Scheme C:UG Programme with Single Major (Economics)								

III	MCC-A4 (4 credit) 24L5.0-ECO-301 MICRO ECONOMICS-II MCC-A5 (4 credit) MCC-5 24L5.0-ECO-302 BASIC STATISTICS FOR ECONOMICS	CC-M3 (4 credit)	MDC-3 3 credit 24L5.0-MDC- ECO-301 CURRENT ISSUES IN GLOBAL ECONOMY	AEC-3 2 credit	SEC-3 3 credit	VAC-3 2 credit	22	Under Graduate Diploma in Subjects with 94 credits
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IV	MCC-A6 (4 credit) 24L5.0-ECO-401	CC-M4(V) (4 credit)	--	AEC-4 2 credit	--	VAC-4 2 credit	24	
	MACRO ECONOMICS-II MCC-A7 (4 credit) 24L5.0-ECO-402 STATISTICAL TOOLS FOR ECONOMICS MCC-A8(4 credit) 24L5.0-ECO-403 INDIAN FINANCIAL SYSTEM DSE-A1 (4 credit) 24L5.0-ECO-404 INDUSTRIAL ECONOMICS OR 24L5.0-ECO-405 MONEY & BANKING							
Internship of (4 credit)s of 4-6 weeks duration after 4th semester								

3 rd Year Scheme C:UG Programme with Single Major(Economics)								
Semester	Major Subject	Minor /Vocational	Multi-Disciplinary Courses	Ability Enhancement Courses	Skill Enhancement Courses	Value Added Courses	Total Credits	Exit Option
V	MCC-A9(4 credit)	CC-M5(V)	--		Internship#(	-	24	Bachelor with Major in
	24L5.5-ECO-501	(4 credit)			4 credit)s	-		(Economics) and Minor in
	ECONOMICS OF							(Economics) after earning 136
	GROWTH &							credits
	DEVELOPMENT							
	MCC-A10 (4 credit)							
	24L5.5-ECO-502							
	DEMOGRAPHY							
	DSE-A2(4 credit)							
	24L5.5-ECO-503							
	ECONOMICS OF							
	INFRASTRUCTURE							
	OR							
	24L5.5-ECO-504							
	ECONOMICS OF							
	AFRICULTURE							
	DSE-A3(4 credit)							
	24L5.5-ECO-505							
	FINANCIAL							
	ECONOMICS							
	OR							
	24L5.5-ECO-506							
	HARYANA							
	ECONOMY							

VI	MCC-A11 (4	CC-M6(V) (4 credit)	--	--	SEC-4	-	22	
	Credit 24L5.5-ECO-601				2 credit	-		
	INDIAN							
	ECONOMY							
	MCC-A12 (4							
	credit) 24L5.5-ECO-602							
	ECONOMICS							
	OF LABOUR							
	DSE-A4(4 credit)							
	24L5.5-ECO-603							
	COMPUTER							
	APPLICATIONS							
	IN ECONOMICS							
	OR 24L5.5-ECO-604 ECONOMICS OF INSURANCE DSE-A5(4 credit) 24L5.5-ECO-605 GENDER ECONOMICS OR 24L5.5-ECO-606 WELFARE ECONOMICS							
Credits	Major = 72	Minor = 24	MDC = 09	SEC = 11	AEC = 08	VAC=08	Internship = 04	Total = 136
#Four credits of internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3year UG Programmes without taking exit option.								

Notes:

1. Subjects: DSE, DSEC, SEC, AEC, MDC, and VAC courses will be offered by the Department/ College/ Institute depending on its available faculty, infrastructure, and timetable.

2. A student will opt for a multidisciplinary course based on a subject that differs from the discipline of major and minor subjects. Students are not allowed to choose or repeat courses already undergone at the higher secondary level (12th class) or opted as a major and minor stream under this category. Provided further that if a Multidisciplinary Course across the discipline cannot be offered by the Department/Institute/College, due to its constraints and available resources, then
 - i. MDC can be opted out of MOOCs through SWAYAM
 - ii. MDC can be completed from a cluster college, i.e., from a neighbouring college/institute
3. A student will opt for AEC, SEC, VAC and Minor (Vocational) courses from the respective pools of courses offered by the Department/College/Institute duly approved by the University. A department/institute/college can add more courses to the pool of AEC, SEC, VAC, and vocational courses with prior approval from the university.
4. For the first and second semesters of the UG programme (Multidisciplinary) (Scheme A and B), a student can choose a Minor Course of 2 credits from the pool of minor subjects in that semester offered by the Department/Institute/College.
5. For the first and second semesters of the UG programme with a Single Major (Scheme C), a student can choose a Minor Course of (4 credits), say Subject E, out of available Core Courses of that subject E offered in that semester.
6. From 3rd semester onwards of all three schemes, a student can choose a Minor Course, say Subject E, out of available Core Courses of that subject E offered in that semester.
7. In the subjects/courses which involve practicum, i.e. Practical/ Laboratory/ Studio/ Project/ Survey/Fieldwork, etc., a course of 4 credits will dedicate 3 credits for lectures and one credit for practicum and in other subjects/courses, a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial. During 4th year, when the practicum course is offered as a separate course in that subject, then a course of 4 credits will dedicate 3 credits for lectures and 1 credit for tutorial. However, for any DSE course, a course of 4 credits will dedicate 3 credits for lectures and one credit for tutorial.
8. In case of AEC of 2 credits, the entire 2 credits will be dedicated for lectures.
9. In the SEC courses of 3 credits, 2 credits will be dedicated for lectures and 1 credit for practicum, In the SEC courses of 2 credits, 1 credit will be dedicated for lecture and 1 credit for practicum and in the DSEC courses of 4 credits, 3 credits will be dedicated for lectures and 1 credit for practicum.
10. If a student takes exit after the second semester, then Undergraduate Certificate in Discipline/subject will be awarded after earning 52/48 credits including 4 credits for the internship of 4-6 weeks during the summer vacation. The nomenclature of the Discipline will depend upon the subjects opted during the programme. For example, if a student has studied two subjects Physics and Chemistry or Physics and Mathematics or Chemistry and Zoology, the Undergraduate Certificate in Physical Science and Life Science respectively will be awarded. Similarly, if a student has studied two subjects Economics and Sociology or Economics and Mathematics or Political Science and Hindi, the Undergraduate Certificate in Arts will be awarded.
11. If a student takes exit after the 4th semester, then Undergraduate Diploma in Discipline will be awarded after earning 96 credits including 4 credits for the internship of 4-6 weeks during the summer vacation. In case, a student takes exit after 2nd year of UG Programme with Single Major, then Undergraduate Diploma in Major Subject will be awarded after 100 credits (scheme B) and 94 credits (scheme C) including 4 credits for the internship of 4-6 weeks during the summer vacation.

NOTE: 4TH YEAR IS SAME FOR SCHEME A, B, AND C

Fourth Year						
Semester	Major Subject			Minor Subject		
	Core Courses	Discipline Specific Courses	Practicum Courses	Core Courses	Total credits	Degree to be awarded
VII Level-8	CC-H1 24L6.0-ECO-701 MATHEMATICS FORECONOMICS CC-H2 24L6.0-ECO-702 INTERNATIONALECONOMICS CC-H3 24L6.0-ECO-703 PUBLIC ECONOMICS 4+4+4 Credits	DSE-6 H1 (4 credit) 24L6.0-ECO-704 ECONOMETRICS OR 24L6.0-ECO-705 GROWTH MODELS IN ECONOMICS	PC-H1 (4 credit) 24L6.0-ECO-706 ECONOMIC DATA ANALYSIS	CC-HM1 (4 credit)	24	Bachelor (Honours) In Major Subject with 184 Credits
VIII Level-8	CC-H4 24L6.0-ECO-801 MATHEMATICALECONOMICS CC-H5 24L6.0-ECO-802 ENVIRONMENTALECONOMICS CC-H6 24L6.0-ECO-803 SCHOOLS OF ECONOMICTHOUGHT 4+4+4 Credits	DSE-7 H2 (4 credit) 24L6.0-ECO-804 ECONOMICS OF HEALTH OR 24L6.0-ECO-805 ECONOMICS OF EDUCATION	PC-H2 (4 credit) 24L6.0-ECO-806 APPLICATION SOFTWARE FOR ECONOMICS	CC-HM2 (4 credit)	24	
OR						

VII Level-8	CC-H1 24L6.0-ECO-701 MATHEMATICS FORECONOMICS CC-H2 24L6.0-ECO-702 INTERNATIONALECONOMICS	DSE-H1 (4 credit) 24L6.0-ECO-704 ECONOMETRICS OR	PC-H1 (4 credit) 24L6.0-ECO-706 ECONOMIC DATA ANALYSIS	CC-HM1 (4 credit)	24	Bachelor (Honours
	CC-H3 24L6.0-ECO-703 PUBLIC ECONOMICS 4+4+4 Credits	24L6.0-ECO-705 GROWTH MODELS IN ECONOMICS				With Research) In Major Subject with 184 credits
VIII Level-8	CC-H4 24L6.0-ECO-801 MATHEMATICALECONOMICS CC-H5 24L6.0-ECO-802 ENVIRONMENTALECONOMICS 4+4 credits	--	Project /Dissertation12 credits	CC-HM2 (4 credit)	24	

Notes:

1. 4-year UG (Honours) or (Honours with Research) in Major Subject will be offered after completion of 3 year UG programme with one major and one minor subject to those students who have completed at least 60 credits in the concerned major subject. In addition to the above, 4- year UG (Honours with Research) in Major Subject will be offered only to those students who have obtained CGPA 7.5 or more in the 3 year UG programme.
2. Core course in Honours subject (CCH): Discipline specific elective course in Honours (DSE-H); Practicum Course in Honours subject (PC- H);Core Course in Minor Subject (CC-HM) of Honours Program.
3. Bachelor degree (Honours) or (Honours with Research) will be awarded in the Major subject after successful completion of the four year programme securing 184 credits and satisfying the minimum credit requirement as given in the Credit Table.
4. Student opting for Honours with Research will work on a Research Project or do research during the eighth semester. The dissertation work will be of 12 credits. 8 credits will be earmarked for the evaluation report of the dissertation and viva-voce examination will carry weightage of 4 credits.
5. The evaluation of the Dissertation and the conduct of viva-voce examination will be done by an external examiner.
6. The practicum course may be replaced by a theory course wherever not applicable.

DETAILED SYLLABI FOR UG ECONOMICS COURSES FOR SEMESTER I, II, III & IV ONLY

CC-1 MCC-1

Session 2024-25

Part-A Introduction

Session 2024-25			
Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	Micro Economics-I		
Course Code	24L4.5-ECO-101		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC, MCC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the nature and scope of Economics, including the meaning of Economics, its methods, and why it is studied. 2. Analyze the role of an Economist, including the ability to think like an Economist, the Economist as a Scientist, and as a Policy Adviser. 3. Evaluate the different types of economic activities and systems, including the organization of economic activities and the evolution of present economic systems. 4. Apply the concepts of demand and supply, elasticity, consumer equilibrium, production analysis, and cost and revenue analysis to real-world economic situations. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Nature and Scope of Economics: Meaning of Economics; Nature of Economics; Scope of Economics; Methods of Economics; Why Study Economics? Role of an Economist: Thinking Like an Economist; The Economist as Scientist; The Economist as Policy Adviser; Economic Policy Economic Activities and Systems:		12

	Types of Economic Activities; Organisation of Economic Activities; Evolution of the Present Economic Systems	
II	Firms and Household: Meaning of Firms and Household; Relationship Between Firms and Household; Input Markets; Output Markets; Circular Flow of Economic Activities (Two – Sector) Demand and Supply: Individual Demand; Market Demand; Law of Demand; Types of Goods (Normal, Inferior and Giffen); Demand Determinants; Supply and its Determinants; Law of Supply; Market Equilibrium	12
III	Elasticity and its Measurement: Types of Elasticity of Demand and Supply; Price, Income and Cross Elasticity; Measurement of Elasticity of Demand; Determinants of Elasticity of Demand Consumer Equilibrium: Cardinal Utility Analysis (Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility); Ordinal Utility Analysis (Indifference Curve, Properties of Indifference Curve, Budget Line, Equilibrium of Consumer); Consumer Surplus (Marshall & Hicks)	12
IV	Production Analysis: Production Function-Short Run and Long Run; Total Product; Marginal Product; Average Product; Law of Returns to Factor (Law of Variable Proportions); Law of Returns to Scale(Increasing, Decreasing and Constant) Cost and Revenue Analysis: Fixed and Variable Costs, Opportunity Cost, Implicit and Explicit Costs, Real and Monetary Costs; Traditional short run and long run cost curves and their interrelation; TR, MR, AR and their relationships	12
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Ahuja, H.L.(2012), *Ucchatar Arthik Siddhant*, S.Chand & Company, New Delhi.
- Dwivedi, D.N(2011), *Microeconomics – Theory & Applications*, Pearson.
- Koutsoyiannis, A.(1979), *Modern Microeconomics*, (2nd Edition), Macmillan Press, London.
- Mankiw, N.G. (2012), *Principles of Microeconomics*, (6th Edition), South-Western Cengage Learning.
- Salvatore D. (2006), *Microeconomics-Theory and Applications*, Oxford University Press.
- Varian, H. (2003), *Intermediate Microeconomics*, East-West Press.
- Browning Edger K., Browning Jacqueline, M.: *Microeconomic Theory and Applications*, 2nd Ed. 1986, Kalyani

* Applicable for courses having practical component.

MCC-2			
Session 2024-25			
Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	Basic Public Finance		
Course Code	24L4.5-ECO-102		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	MCC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. To know the scope and breadth of Public Finance along with understanding the core principles of public sector economics so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems. 2. To understand the core principles of taxation so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems. 3. To understand the nature and structure of public expenditure and public debt so that they can analyze the welfare impacts of public expenditure and debt policy.. 4. To exhibit the ability to learn and apply relevant principles of public finance for analysis of public policy on the federal nature of India. Simultaneously Understanding the implications and ethical as well as value part of it. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Introduction to public finance: Nature and Scope of Public Finance; Law of Maximum Social Advantage; Concept and features of Public Goods, Private Goods, Merit Goods; Public Expenditure -Meaning, Importance, Canons and Effects; Components of Public Expenditure in India.	15	

Part-C Learning Resources	
Recommended Books/E-Resources/LMS:	
● <i>Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications.</i> ● <i>Joseph E. Stiglitz – Public Sector Economics</i> ● <i>Musgrave R.A. and Musgrave P.A. – Public Finance in Theory and Practice</i> ● <i>Bhatia H.L. – Public Finance</i> ● <i>Tyagi B.P. – Public Finance</i> ● <i>Bhargava R.N. Theory and Working of Union Finance in India</i> ● <i>Hugh Dalton – Principles of Public Finance</i> ● <i>Indapurakar Kavita, Sidana Neeru, Jaspal Singh - Money, Banking & Public Finance 2023, Kalyani</i>	

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CCM, CC-M1

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	I		
Name of the Course	Introductory Economics		
Course Code	24L4.5-ECO-103		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CCM		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Know the scope and methods of Economics along with understanding the economic problem of scarcity & choice and the core principles of demand and supply. 2. They are able to apply the understanding of these concepts to Comprehend real world problems along with the ability to think critically and analyze economic problems in different types of economic systems and various types of market structures. 3. To understand the concept of national income and various methods of its measurement, aggregate demand & aggregate supply and their relevance. Understanding the different methods to calculate GDP. 4.To understand how governments and central banks use fiscal policy (taxes, spending) and monetary policy (interest rates, money supply) to manage the economy, stabilize it & equilibrium of goods-money market. 5*.		
Credits	Theory	Tutorial	Total
	02	-	02
Contact Hours	02	-	02
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 2 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 1 marks each spread over the entire syllabus (1×7=7 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the FOUR units (7 marks each).			
Unit	Topics	Contact Hours	
I	Basic Economics: Scope and Methods of economics, The Economic Problem: Scarcity and Choice, Economic systems and their characteristics, Basic economic questions: what, how, and for whom to Produce.	8	
II	Micro Economics: Law of Demand; Law of Supply; Elasticity and Its Applications; Concept of Costs and Revenue	7	

III	Macro Economics: Meaning, difference between micro and macro, meaning of four major sectors of macro economics. Concepts of GDP, GNP and National income, Nominal and Real GDP, Limitations of the GDP concept, Circular Flow of Income in two, three, and four-sector economy	8
IV	Government Policies: Monetary policy (meaning, objective, its instruments) fiscal policy (meaning, objective and its instruments):	7
V*		
Suggested Evaluation Methods		
Internal Assessment: 15 ➤ Theory Class Participation 4 Seminar/Presentation/Assignment/Quiz/Class Test etc. 4 Mid Term Exam 7 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:35 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: ● Koutsoyiannis, A. (1979). <i>Modern Microeconomics (2nd Edition)</i>. Macmillan Press, London. ● Mankiw, N.G. (2021, 7e). <i>Principles of Microeconomics</i>. Cengage Learning India Private Limited, Mayur Vihar Phase 1, Delhi. ● Pyndick, R.S., Rubinfeld, D.L., Mehta P.L. (2017, 7e). <i>Micro Economics</i>. Pearson India Education Services Pvt. Ltd, Noida UP, India. ● Salvatore, D. (2009). <i>Microeconomics-Theory and Applications</i>. Oxford University Press. ● Dornbusch, R., Fischer, S., Startz, R. (2018). <i>Macroeconomics</i>. McGraw Hill Education (India) Private Limited, Chennai, India. ● Puri, V.K., Mishra, S.K. (2021, 39e). <i>Indian Economy</i>. Himalaya Publishing House Pvt. Ltd., Girgaon, Mumbai, India. ● Salvatore, D. (2008, 8e). <i>International Economics</i>. Wiley India (P.) Ltd., Daryaganj, New Delhi, India. ● Lekhi R.K., <i>Principles of Economics</i>, 2011, Kalyani

* Applicable for courses having practical component.

MDC-1

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	I		
Name of the Course	Basics of Economics		
Course Code	24L4.5-MDC-ECO-101		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	MDC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1 Have knowledge about basic concepts of Economics. 2. Have Knowledge of basic concepts of Micro Economics: nature and scope of Micro Economics and understanding the key components of Micro Economics for developing economic theories. 3. Have Knowledge of basic concepts of Macro Economics, understanding the various concepts of National Income and developing the ability to construct some basic Macroeconomic Model for analysis of Economic Theories. 4. Have Understanding the basis for trade between two economies, Measure the benefits accrued from International Trade and knowledge of different measures of Economic Development. 5*.		
Credits	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	1	03
Max. Marks: 75 Internal Assessment Marks: 25 End Term Exam Marks: 50	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 1 mark, spread over the entire syllabus (1*10=10 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).			
Unit	Topics	Contact Hours	
I	Nature and scope of Economics, Definitions of Economics, Important concepts of Economics, Scarcity and choice, The basic issues of what to produce, how to produce and for whom to produce, Problem of distribution of output, Branches of Economics.	11	
II	Concept of demand, law of demand, determinants of demand, Law of supply, and determinants of supply, market equilibrium and price mechanism. Meaning of elasticity of demand. Different types of Market Structure: Perfect competition and its Characteristics, Monopoly and its characteristics, Monopolistic competition and oligopoly.	12	

III	Nature and Scope of macroeconomics, Difference between Micro and Macro economics, Macroeconomic Concerns, The role of Government in the Macro Economy, Introduction to National Income: Concepts of GDP, GNP and National income, Nominal and Real GDP, Limitations of the GDP concept, Circular Flow of Income in two, three, and four-sector economy, Inflation: Meaning and types.	11
IV	Importance of the study of International Economics; Inter-regional and international trade; Theories of absolute advantage and Comparative Advantage. Measurement of development and development gap: GDP, Per capita income, Gini coefficient and Human Development Index (HDI).	11
V*		
Suggested Evaluation Methods		
Internal Assessment: 25 ➤ Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 7 Mid Term Exam 13 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:50 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: ● Varian H. “<i>Microeconomic Analysis</i>”, W.W Norton New York (Latest Edition). ● Koutsoyiannis, A. “<i>Modern Microeconomics</i>”, Macmillan Press, London (Latest Edition) ● Dornbusch, Fischer and Startz, <i>Macroeconomics</i>, McGraw Hill, 11th edition, 2010. ● N. Gregory Mankiw. <i>Macroeconomics</i>, Worth Publishers, 7th edition, 2010. ● Olivier Blanchard, <i>Macroeconomics</i>, Pearson Education, Inc., 5th edition, 2009. ● Salvatore Dominick. <i>International Economics</i>, Wiley India. ● Sodersten Bo and Reed J. <i>International Economics</i>, McMillan Publisher ● Lekhi R.K., <i>Principles of Economics</i>, 2011, Kalyani

* Applicable for courses having practical component.

CC-2 MCC-3

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	II		
Name of the Course	Macro Economics-I		
Course Code	24L4.5-ECO-201		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC/MCC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Have Insight of Basic Concepts of Macro Economics-Its nature and scope, Methodology; National Income and circular flow of national income in an Economy. 2. Have understanding of Macroeconomic behavior in terms of Classical theory of Employment, Say's law, Keynes' theory of equilibrium level of income and Employment 3. Have knowledge about consumption behaviour at macroeconomic level, Keynes' psychological law of consumption, hypotheses about long run income-consumption relationship 4. Have understanding about capital and Investment, Decision to invest at macroeconomic level, determinants of induced investment.		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks: 30			
End Term Exam Marks: 70			

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Nature and Scope of Macro Economics, Difference between Micro and Macro Economics Importance of Macro Economics. Concepts, Measurement and limitations of National Income Statistics, Circular flow of Income in Two, Three and Four Sector Economy	15
II	Say's law of Market, Classical Theory of Income and Employment. Keynesian Theory of Income and Employment, Principle of Effective Demand, Comparison between Classical and Keynesian Theory of Employment	15
III	Consumption Function: Meaning and Technical Attributes, Significance of MPC, Relationship between APC & MPC, Keynesian Psychological Law of Consumption and its Implications, Short-run & Long-run Consumption functions	15
IV	Meaning of Capital and Investment, Types of	

	Investment, Marginal Efficiency of Capital (MEC). Relation between MEC and MEI, Factors affecting Inducement to Invest	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Shapiro, E. (1996), <i>Macroeconomic Analysis</i>, Galgotia Publications, New Delhi. • Dornbusch, R. and F. Stanley (1999), <i>Macroeconomics</i>, Irwin McGraw Hill, Inc. New York, 7th Edition • Lipsey R.G. and K.A. Chrystal(2007) —Economics, Oxford University Press • Ackley, G. (1978), <i>Macroeconomics: Theory and Policy</i>, Macmillan, New York. • Mankiw, N. Gregory (2000), <i>Macroeconomics</i> Macmillan Worth Publishers 4th Edition • Paul Samuelson and Nordhaus: (2005), <i>Economics</i> (18thEd.) Tata Hill Publishing Company • Lekhi R.K. Macro Economics Part - I, 2016 Kalyani		

DSEC-1**Session 2024-25****Part-A Introduction**

Subject	Economics		
Semester	II		
Name of the Course	ECONOMIC SURVEY TECHNIQUES		
Course Code	24L4.5-ECO-202		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSEC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Have Insight of Basics of Data, Types of Data: Quantitative, Qualitative, Cross Sectional and Time Series, Different Scales of Measurement, Data Source: Primary & Secondary, Nature of Data in CSO, NSSO, Census and Economic Survey 2. Have understanding of concept of Survey Technique, Steps involved in conducting Survey, Methods used in collecting data through Survey, Types of Survey Research, Structured and Unstructured Questions in survey, Difficulties and Issues in Survey Research 3. Have knowledge about Questionnaire design, Various Qualitative Methods like Ethnography, Unstructured Interviews, Participant Observation, Recording of Data, Data Presentation and Computer Applications in Data Organization 4. To understand the Random and Non Random Sampling Techniques and Determination of Sample Size.		
	5*. To prepare a project report depicting their ability to collect and organize data		
Credits	Theory	Practical	Total
	03	1	04
Contact Hours	03	02	05
Max. Marks: 100 Internal Assessment Marks: 20+10(P) End Term Exam Marks: 50+20(P)	Time: 3 Hrs		

Part-B Contents of the Course**Instructions for Paper Setters**

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).

Unit	Topics	Contact Hours
I	Basic Ideas of Economic Data • Data, Information and Statistics • Data Types: Quantitative and Qualitative; Cross Sectional and Time Series • Scales of Measurement: Nominal, Ordinal, Interval, Ratio	15

	- Sources of Data: Primary & Secondary - Understanding the Nature of Data in CSO, NSSO, Census and Economic Survey	
II	Methodologies of Data Collection - Survey Technique: Concept, Steps involved in conducting Survey - Methods/Instruments used in collecting data through Survey Research - Types of Survey Research - Types of questions in a Survey Research: Structured and Unstructured Questions - Difficulties and Issues in Survey Research	15
III	Data Collection and Organization - Data Collection using Questionnaires: Questionnaire design - Qualitative Methods: Ethnography, Unstructured Interviews, Participant Observation - Recording of Data after completion of Survey: Manually and use of computers - Tabulation and Graphical Presentation of data - Preliminaries of Computer Applications in Data Organization	15
IV	Sampling Methods - Probability Sampling Methods- Simple Random Sampling, Systematic Random Sampling, Multistage and Cluster Sampling - Non Probability Sampling Methods - Sampling and Non Sampling Errors - Determination of the Sample Size	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory: 20 (All these activities will be covered under Tutorials. Approximate contact Hours =15) - Class Participation 10 - Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 - Mid Term Exam: ➤ Practicum 10 - Class Participation: - Seminar/Demonstration/Viva Voce/Lab Records etc.: - Mid Term Exam:		End Term Examination:50 Theory Practicum: 20 Seminar/Demonstration/Viva Voce/Lab Records etc.:

Part-C Learning Resources	
Recommended Books/E-Resources/LMS:	
• <i>Kapur J.N. and Saxena H.C. Mathematical Statistics, Sultan Chand Publishing</i> • <i>Kothari, C.R. (2004) Research Methodology: An Introduction, Delhi, New Age 3.</i> • <i>S.C. Gupta: Fundamentals of Statistics</i> • <i>S.P. Gupta: Statistical Methods</i>	

* Applicable for courses having practical component.

CC-M2

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	II		
Name of the Course	INTRODUCTION TO INDIAN ECONOMY		
Course Code	24L4.5-ECO-203		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CCM		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Know economic systems, resource allocation, types of economies, Indian economy's size, sectors, challenges, government initiatives, and global standing. 2. Understand causes and consequences of inequality, unemployment, infrastructure challenges, government initiatives, 3. Understand the importance, issue and challenges of Infrastructure and environmental sustainability in Indian economy 4. Understand the challenges, achievements and failure during different five years plans t& know the strategies for economic reforms before and after 1991. 5*.		
Credits	Theory	Tutorial	Total
	02	-	02
Contact Hours	02	-	02
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hrs		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 1 mark spread over the entire syllabus (1*7=7 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the Four units (7 marks each).

Unit	Topics	Contact Hours
I	Overview of the Indian Economy: Introduction to the Indian economy: size, growth, and significance, Key sectors of the Indian economy; Agriculture: importance, challenges, and government initiatives, Industry: manufacturing, mining, and construction sectors, Services: IT, telecommunications, finance and tourism. India's position in the global economy.	7
II	Major Economic Challenges in India: Poverty and Income Inequality: Causes and consequences of income inequality: Government initiatives and policies to reduce poverty and inequality. Unemployment and Skill Development: Types and causes of unemployment in	8

	India, Youth unemployment and the demographic dividend. Government schemes and initiatives to promote employment and skill enhancement.	
III	Infrastructure Development: Importance of infrastructure in economic development, Challenges in transportation, energy, and urban infrastructure, Government initiatives such as Smart Cities Mission and Bharatmala Project. Environmental Sustainability: Environmental challenges in India, including pollution and climate change, Importance of sustainable development and green initiatives.	7
IV	Economic Reforms: Need, objectives and features before 1991; New Economic Policy (Liberalisation Privatisation Globalisation) reforms after 1991: achievements and failures; NITI Aayog: need, objectives	8
V*		
Suggested Evaluation Methods		
Internal Assessment: 15 ➤ Theory - Class Participation 4 - Seminar/Presentation/Assignment/Quiz/Class Test etc. 4 - Mid Term Exam 7 ➤ Practicum - Class Participation - Seminar/Demonstration/Viva Voce/Lab Records etc. - Mid Term Exam:		End Term Examination:35 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Dutt, Gaurav and Mahajan, Ashwani “Dutt & Sundharam Indian Economy” S. Chand & Company (Latest Ed.). • Dhar, P.K. “Indian Economy – Its Growing Dimensions” Kalyani Publishers (Latest Ed.). • Kapila, Uma “Indian Economy: Performance and Policies” Academic Foundation, New Delhi (Latest Edition). • Kapila, Uma “Indian Economy Since Independence” Academic Foundation, New Delhi (Latest Edition). • Mishra S. K. and Puri, V. K. “Indian Economy”, Himalaya Publishing House (Latest Ed.)		

* Applicable for courses having practical component.



MDC-2**Session 2024-25****Part-A Introduction**

Subject	Economics		
Semester	II		
Name of the Course	INDIAN ECONOMIC ENVIRONMENT		
Course Code	24L4.5-MDC-ECO-201		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	MDC		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	1. To understand and analyze the nature of growth & development of India Economy. 2. Understanding and evolution of Agriculture sector in India. 3. Understanding and evolution of Industrial sector in India. 4. Utilize the detailed skills and techniques to address the problems of Indian economy like poverty, inequality, unemployment. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 75 Internal Assessment Marks: 25 End Term Exam Marks: 50	Time: 3 Hrs		

Part-B Contents of the Course**Instructions for Paper Setters**

- Nine Questions will be set in all and students will be required to attempt 4 questions.
- Question No. 1 will be compulsory and will consist of 10 short answer type questions of 1 mark, spread over the entire syllabus (1*10=10 marks).
- For the remaining four questions, students will attempt 1 out of 2 questions from each of the three units (10 marks each).

Unit	Topics	Contact Hours
I	Elements of micro & macro environment; PESTLE analysis. Economic growth & development; primary, secondary and tertiary sectors; structural changes & emerging sectors of the Indian economy.	11
II	Review of five year plans in India, planning strategy and objectives. Current trends in industrial growth, industrial and licensing policy, growth of private sector, problems of public sector units, policy changes for industrial growth; environment for the SME sector.	12
III	Design and strategy of economic reforms and liberalization: India's growth post liberalization. Main trends in imports and exports, balance of payments in recent years, environment for foreign capital and investment.	11
IV	Intellectual property rights and R & D environment. Banking reforms and challenges; Monetary & Fiscal Policies; meaning, importance & instruments.; SEBI;	11

	FEMA	
V*		
Suggested Evaluation Methods		
Internal Assessment:25 ➤ Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 7 Mid Term Exam 13 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination :50 Theory

* Applicable for courses having practical component.

CC-3 MCC-4

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	III		
Name of the Course	MICRO ECONOMICS– II		
Course Code	24L5.0-ECO-301		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC / VAC	CC/ MCC		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	CC-1 MCC-1 B24ECO-101 MICRO ECONOMICS-I OR CC-M1 B24-ECO-103 INTRODUCTORY ECONOMICS		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. To understand the concepts in consumer and producer Theory like surplus, economies, isoquants, iso-cost lines etc.. 2. To understand market conditions of perfect competition, monopoly and monopolistic competition. 3. To understand few models of oligopoly. 4. To understand how factor prices are determined 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		

Part-B Contents of the Course

- Nine Questions will be set in all and students will be required to attempt 5 questions.
- Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
- For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Concepts in Consumer and producer Theory • Producer Surplus • Price, Income and Substitution Effects (Hicks and Slutsky) • Economies and Diseconomies of Scale • Isoquant and Iso-Cost Lines and Producer's Equilibrium	15
II	Market Structure • Perfect competition (Meaning, Equilibrium of firm and industry in short run and long run). • Role of time element in price determination. • Monopoly (Meaning, Equilibrium in short run and long run). • Price discriminating monopoly.	15
III	Market Structure	

	• Monopolistic Competition (Meaning, Equilibrium of firm and industry in short run and long run). • Cournot's and Bertrand's Duopoly Model. • Kinked Demand Model. • Cartels and Price Leadership Models	15												
IV	Factor Pricing • Ricardian Theory of Rent • Modern Theory of Rent, Quasi rent • Wage (Demand and Supply of Labour, Marginal Productivity Theory) • Interest (Classical and Keynesian) • Profit (Risk Theory, Dynamic Theory, Schumpeter's Innovation Theory, Uncertainty Bearing Theory)	15												
V*														
Suggested Evaluation Methods														
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)<table><tr><td>Class Participation</td><td>5</td></tr><tr><td>Seminar/Presentation/Assignment/Quiz/Class Test etc.</td><td>:10</td></tr><tr><td>Mid Term Exam</td><td>15</td></tr></table> ➤ Practicum<table><tr><td>Class Participation</td><td></td></tr><tr><td>Seminar/Demonstration/Viva Voce/Lab Records etc.</td><td></td></tr><tr><td>Mid Term Exam:</td><td></td></tr></table>		Class Participation	5	Seminar/Presentation/Assignment/Quiz/Class Test etc.	:10	Mid Term Exam	15	Class Participation		Seminar/Demonstration/Viva Voce/Lab Records etc.		Mid Term Exam:		End Term Examination:70 Theory
Class Participation	5													
Seminar/Presentation/Assignment/Quiz/Class Test etc.	:10													
Mid Term Exam	15													
Class Participation														
Seminar/Demonstration/Viva Voce/Lab Records etc.														
Mid Term Exam:														

Part-C Learning Resources	
Recommended Books/E-Resources/LMS: • Ahuja, H.L.(2012), <i>Uchatar Arthik Siddhant</i>, S.Chand & Company, New Delhi. • Dwivedi, D.N (2011), <i>Microeconomics – Theory & Applications</i>, Pearson. • Koutsoyiannis, A.(1979),<i>Modern Microeconomics</i>,(2nd Edition),Macmillan Press, London. • Mankiw, N.G. (2012),<i>Principles of Microeconomics</i>, (6th Edition), South-Western Cengage Learning. • Salvatore D. (2006),<i>Microeconomics-Theory and Applications</i>,Oxford University Press. • Varian,H. (2003),<i>Intermediate Microeconomics</i>, East-West Press. • Chopra P.N., <i>Micro Economics</i>, Kalyani	

* Applicable for courses having practical component.

MCC-5

Session 2024-25

Part-A Introduction

Part A Introduction							
Subject	Economics						
Semester	II						
Name of the Course	BASIC STATISTICS FOR ECONOMICS						
Course Code	24L5.0-ECO-302						
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC						
Level of the course (As per Annexure-I)	200-299						
Pre-requisite for the course (if any)	N.A.						
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Know the nature, scope, and uses of statistics in economics. Be able to deal with data organization and presentation using different methods and have detailed knowledge of data presentation using different kinds of diagrams. 2. Able to analyze data with a deep understanding of the concepts of central tendency and dispersion of data, their different types, and methods, to help find out what the data want to say. 3. Understand the tentative change in data variables with the effects of changes in economic policy and also analyze the change in economic variables over different periods. 4. Exhibit the estimation of the degree and direction of relationships between different economic variables and also help to find the cause-and-effect relationship between them. 5*.						
Credits	<table><tr><td>Theory</td><td>Tutorial</td><td>Total</td></tr><tr><td>03</td><td>1</td><td>04</td></tr></table>	Theory	Tutorial	Total	03	1	04
Theory	Tutorial	Total					
03	1	04					
Contact Hours	<table><tr><td>03</td><td>1</td><td>04</td></tr></table>	03	1	04			
03	1	04					
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs						

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Nature, Scope and Uses of Statistics: Definition and scope of statistics; Subject matter of statistics, Importance and Limitations of statistics in Economics; data collection (census and sample method); Organization and Presentation of data(Textual and Tabular presentation of data, Diagrammatic presentation of data, Frequency diagram: Histogram, Polygon and Ogive curve)	15
II	Analysis of Data: Measures of Central tendency (meaning, purpose and function of Central tendency); Types of statistical	

	average (Arithmetic mean, median and mode) Measures of dispersion (absolute measurerange, inter quartile range)	15
III	Index Number and Time Series Analysis: Introduction of index number: purpose and uses of index number in economics; Calculation of price index and quantity index (Laspyer, Pasche and Fisher index); Time series: meaning and components of time series; Model of analysis of time series methods of measuring Trends and its components.	15
IV	Correlation and Regression Analysis: Correlation: definition, types, degree and methods; Scattered diagram; Karl Pearson and Rank coefficient of correlation; Linear regression analysis: meaning, types, regression lines, regression coefficient.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: - Anderson, David R., Sweeney, Dennis J. & Williams, Thomas A. (2014).Essentials of Statistics for Business and Economics. South-Western Cengage Learning, USA. - Gupta S.C(2018). Fundamental of Statistics, Himalaya Publishing House, New Delhi - Gupta S.P and Gupta M.P.(2019).Business statistics, Sultan Chand and Sons New Delhi - Naghshpour, S. (2012). Statistics for Economics. Business Expert Press. - Sharma, J.K. (2012). Business Statistics. Dorling Kindersley (India) Pvt. Ltd., New Delhi

* Applicable for courses having practical component.

MDC-3

Session 2024-25

Part-A Introduction			
Subject	Economics		
Semester	III		
Name of the Course	CURRENT ISSUES IN GLOBAL ECONOMY		
Course Code	24L5.0-MDC-ECO-301		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MDC		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Knowledge of global economic systems, international trade, types of regional agreements, multilateral negotiations, World institutions facilitating trade. 2. Understanding of evolution of the international monetary system, exchange rate regimes and their implications, various global financial crisis and Global financial stability and regulatory frameworks. 3. Analyzing the given situation in the global economy and understanding the social challenges, SDGs and Policies for achieving sustainable development. 4. Understanding of evolution of Economic integrations and its benefits and challenges 5*.		
Credits	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	1	03
Max. Marks: 75 Internal Assessment Marks: 25 End Term Exam Marks: 50	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 1 mark, spread over the entire syllabus (1*10=10 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).			
Unit	Topics	Contact Hours	
I	Introduction to globalization and its impact on the global economy; Free trade and Protection; tariffs, Quotas, and Non-Tariff barriers.	11	
II	Evolution of the international monetary system, Exchange rate regimes and their implications, International financial institutions: IMF, World Bank; Contemporary Issues in International Finance:East Asian Crisis of 1997; Global recession 2007; Global financial stability and regulatory frameworks.	11	
III	Sustainable Development Goals (SDGs): Overview of the SDGs and their significance; Economic dimensions of sustainable development; Policies for achieving sustainable development; Contemporary Issues in development: Poverty, Social development and Infrastructure	11	
IV	Economic integration and its benefits and challenges. Integration	12	

	experiences-European Union, BRICS, NAFTA, ASEAN, Multilateral trade negotiations-the GATT rounds, UNCTAD and evolution of world trading arrangements, World Trade Organization and fair trade-Development Round, Trade Facilitation, Trade War, Recent Paradigm Shift in global economy.	
V*		
Suggested Evaluation Methods		
Internal Assessment:25 ➤ Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 7 Mid Term Exam 13 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:50 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: ● Obstfeld, M., Melitz, M., & Krugman, P. (2014). <i>International economics: theory and policy</i>. ● Aggarwal, M. R. (1979). <i>Regional Economic Cooperation in South Asia</i>. S. Chand and Co. ● Bhagwati, Jagdish (1969). <i>Trade tariffs & growth</i>. The MIT Press. ● Bhalla, & Bhalla, (1997). <i>Regional Blocs</i>. Palgrave MacMillan. ● Bhandari, S. (1998). <i>WTO & Developing Countries</i>. Deep & Deep Publications. ● Corden (1971). <i>Theory of Protection</i>. Clarendon Press, Oxford. ● Greenaway, David (1983). <i>International trade policy: From Tariffs to the New Protectionism</i>. Macmillan Publishers Limited, London. ● Stuenkel, O. (2020). <i>The BRICS and the future of global order</i>. Lexington books. ● Klein, M. C., & Pettis, M. (2020). <i>Trade wars are class wars: How rising inequality distorts the global economy and threatens international peace</i>. Yale University Press.		

* Applicable for courses having practical component.

CC-4 MCC-6

Session 2024-25

Part-A Introduction

Subject		Economics			
Semester		IV			
Name of the Course		Macro Economics-II			
Course Code		24L5.0-ECO-401			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC		CC/MCC			
Level of the course (As per Annexure-I)		200-299			
Pre-requisite for the course (if any)		CC-2 MCC-3 B24-ECO-201 MACRO ECONOMICS-I			
Course Learning Outcomes (CLO)		After completing this course, the learner will be able to: 1. Have understanding about income generation process through Investment, multiplier effect and acceleration effect of income, combined action of multiplier and acceleration effect. 2. Have understanding of value of money; classical, neoclassical approach, Demand for money and Supply of money, components of money supply, role of credit and high-powered money in an economy. 3. Have knowledge about fluctuations in value of money: inflation Causes, process of inflation, measures, Employment –inflation relationship: hypotheses. 4. Have understanding about business cycles, dynamics of business cycles phases, interest rate in macroeconomic perspective-Keynes and Hicks-Hansen approach. 5*.			
Credits		Theory		Tutorial	Total
		03		1	04
Contact Hours		03		1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70		Time: 3 Hrs			
Part-B Contents of the Course					
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).					
Unit	Topics				Contact Hours
I	Keynesian Multiplier: Concepts, Relation between Multiplier, MPC and MPS, Comparative Static and Dynamic Process, Working of Multiplier in UDC'S. Acceleration Principle and Concept of Super Multiplier.				15
II	The Demand for Money: Concepts, Functions and Significance. Quantity Theory of Money - Fisher's Approach and Cambridge Approach, Keynesian Theory of Money. Supply of Money: Meaning and Determinants				15
III	Meaning, Causes and Effects of Inflation Types of Inflation Theories of inflation; Demand Pull and Cost Push Inflation. Phillips Curve in Short run and Long run.				15
IV	Meaning, Nature and Features of Business Cycles. Types and Phases of Business				

	Cycles. Keynes's View of Trade Cycles. Theories of Trade Cycles (Hicks and Samuelson), Rate of Interest: Keynesian Theories of Interest & IS-LM framework.	15
V*		
	Suggested Evaluation Methods	
	Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	End Term Examination:70 Theory

Part-C Learning Resources	
Recommended Books/E-Resources/LMS: • Shapiro, E. (1996), <i>Macroeconomic Analysis</i>, Galgotia Publications, New Delhi. • Dornbusch, R. and F. Stanley (1999), <i>Macroeconomics</i>, Irwin McGraw Hill, Inc. New York, 7th Edition • Heijdra, B.J. and V.P. Frederick (2002), <i>Foundations of Modern Macroeconomics</i>, Oxford University Press, New Delhi. • Lipsey R.G. and K.A. Chrystal (2007) —<i>Economics</i>, Oxford University Press • Lekhi R.K. <i>Macro Economics</i>, Kalyani	

* Applicable for courses having practical component.

MCC-7

Session 2024-25

Part-A Introduction			
Subject	Economics		
Semester	IV		
Name of the Course	ADVANCED STATISTICS FOR ECONOMICS		
Course Code	24L5.0-ECO-402		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	MCC-5 B24-ECO-302 BASIC STATISTICS FOR ECONOMICS		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Define correlation, calculate, and interpret Pearson's and Spearman's correlation coefficients, understand their properties and limitations, differentiate between correlation and causation 2. Identify dependent and independent variables, formulate regression models, estimate, and interpret coefficients using ordinary least squares, assess goodness of fit using R-squared 3. Understand, solve, and apply the problems on probability 4. Understand and apply various theoretical distributions. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Correlation Analysis: Definition of correlation and its importance in economics, Types of correlation: positive, negative, and zero correlation. Methods of Studying Correlation: Scatter diagram method, Karl Pearson’s coefficient of correlation (Covariance method), Two-way frequency table (Bivariate correlation method), Rank method, Concurrent deviations method; partial and Multiple Correlation (WITH 3 VARIABLES).	15	
II	Regression Analysis: Introduction to Regression Analysis: Definition and purpose of regression analysis in economics, Understanding the concept of a dependent variable and independent variable, Types of regression models: Simple and multiple linear regression. Estimating the regression coefficients: Ordinary Least Squares Method, Assessing the goodness of fit: Coefficient of determination (R-squared), Interpreting the regression coefficients and their significance.	15	
III	Concept of Probability: Approaches to probability: Classical approach, Empirical approach, Axiomatic approach; Addition Theorem Of Probability: Multiplication	15	

	Theorem Of Probability: Independent and Dependent Events; Bayes's Theorem (Rule for the Inverse Probability)	
IV	Random Variable: Discrete And Continuous; Probability Distribution of a Discrete Random Variable; Mathematical Expectation; Binomial Distribution – Conditions, Probability Function Of Binomial Distribution, Constants Of Binomial Distribution; Poisson Distribution and its applications; properties of Normal distribution and its applications.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Part-C Learning Resources	
Recommended Books/E-Resources/LMS: ● Aggarwal, B.L. (2006). <i>Basic Statistics</i>. New Age International Publishers, New Delhi. ● Anderson, David R., Sweeney, Dennis J. & Williams, Thomas A. (2014). <i>Essentials of Statistics for Business and Economics</i>. South-Western Cengage Learning, USA. ● Croxton Frederiel, Dudley J. Gowden and Sidney Klein: <i>Applied General Statistics</i>, New Delhi: ● Griffiths, D., W, Douglas and K. Laurence Weldon (1998): <i>Understanding Data: Principles & Practices</i> ● Gupta C.B: <i>An Introduction to Statistical Methods</i>, New Delhi, Vikas Publishers. ● Gupta S.P: <i>Statistical Methods</i>, New Delhi, Chand & Co. ● Gupta, S.C. & Kapoor, V.K. (2007). <i>Fundamentals of Applied Statistics</i>. S. Chand and Sons, New Delhi.. ● Kamenta J. (1997). <i>Elements of Econometrics</i>. Macmillan Publishing Co., Inc. New York. ● Karmal, P.H. & Polasek, M. (1978). <i>Applied Statistics for Economists</i>. Pitman, Australia. ● Naghshpour, S. (2012). <i>Statistics for Economics</i>. Business Expert Press. ● Sharma, J.K. (2012). <i>Business Statistics</i>. Dorling Kindersley (India) Pvt. Ltd., New Delhi. ● T R Jain, S C Aggarwal, R K Rana: <i>Statistical Methods for Economics</i> V.K Publication House.	

* Applicable for courses having practical component.

MCC-8

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	IV		
Name of the Course	INDIAN FINANCIAL SYSYEM		
Course Code	24L5.0-ECO-403		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the Indian Financial System and its role in Economic Development. 2. Understand the different financial assets and financial markets 3. Know the role of different financial institutions. 4. Gain knowledge of the different types of Financial Services available under system 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hrs		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus ($2 \times 7 = 14$ marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Indian Financial System; meaning, evolution, characteristics, functions and its components. Role of Indian financial system in economic development.	15
II	Financial instruments (assets) and Financial Markets; money market and capital markets- meaning, constituents, instruments and function. Recent development in financial markets.	15
III	Financial Institutions- banking institutions; commercial banks and cooperative banks. Non-banking institutions; organized and unorganized institutions.	15
IV	Financial services; meaning, nature, functions, importance, types: fund based and non-fund based. Challenges faced by the Indian Financial Service Sector. Recent developments take place in financial service sector in India.	15
V*		

Suggested Evaluation Methods

Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) <table border="0" style="width: 100%;"> <tr> <td>Class Participation</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Seminar/Presentation/Assignment/Quiz/Class Test etc.</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Mid Term Exam</td> <td style="text-align: right;">15</td> </tr> </table> ➤ Practicum <table border="0" style="width: 100%;"> <tr> <td>Class Participation</td> <td></td> </tr> </table>	Class Participation	5	Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	Mid Term Exam	15	Class Participation		End Term Examination:70 Theory
Class Participation	5								
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10								
Mid Term Exam	15								
Class Participation									

Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	
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Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- *Aydhani: Investment and Securities Markets in India, Himalaya Publications, Bombay.*
- *Averbach, Robert D: Money, Banking and Financial Markets; MacMillan, London.*
- *Bhole, L.M.: Financial Markets and Institutions, Tata McGraw Hill, Delhi.*
- *Ghosh, D: Banking Policy in India, Allied Publications, Delhi.*
- *Giddy, I.H: Global Financial Markets, A.I.T.B.S., Delhi.*
- *Khan, M.Y: Indian Financial System, Tata McGraw Hill, Delhi.*
- *Pathak, Bharati V: The Indian Financial System: Markets, Institutions and Services; Pearson Education, New Delhi.*
- *Reserve Bank of India, Various Reports, RBI Publication, Mumbai.*
- *Srivastava R.M.: Management of Indian Financial Institution; Himalaya Publishing House, Mumbai.*
- *Varshney, P.N: Indian Financial System, Sultan Chand & Sons, New Delhi*
- *Paul R.R., Money & Financial System, Kalyani*

* Applicable for courses having practical component.

DSE-1

Session 2024-25

DSE-I

Session 2024-25

Part-A Introduction

Subject	Economics		
Semester	IV		
Name of the Course	Industrial Economics		
Course Code	24L5.0-ECO-404		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Aims at introducing the students to industrial economics, organization, and objectives of a firm and making them understand the determinants of size and growth of the firm. 2. Understand the objective of giving exposure to students about the theories of location and limiting factors and aims at introducing factors leading to localization of industries and sellers' concentration. 3. Aims at developing an understanding of the role of economies of scale and scope, market structure, and profits of a firm with the objective of acquainting students with product innovation and product pricing practices. 4. Developing an understanding of industrial growth through mergers and acquisitions, product diversification, industrial finance, and the employment potential of Indian industry.		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		

Part-B Contents of the Course

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Introduction of Industrial Economics: Nature and scope of Industrial Economics; Concept and Organization of a firm (ownership, control and objectives of the firm); Growth of the firm: Size and growth of a firm, Diversification & growth, growth and profitability, constraints on growth	15
II	Theories of Location: Theories of industrial location (Weber and Sargent theories); Factors affecting location; Industrial localization and remedial measures; Sellers' concentration.	15
III	Markets for Industries: Economies of Scale and scope; Market structure and profitability; Market structure and innovation; Product pricing (theories and evidence).	15
IV	Indian Industrial Growth and Finance: Regional Industrial growth in India; Industrial growth through mergers & acquisitions, and diversification; Industrial Finance; Sources of short term and long term finance; Structure of Industrial labour; Employment dimensions of Indian	15

	Industry	
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

* Applicable for courses having practical component.

DSE-1**Session 2024-25****Part-A Introduction**

Subject	Economics		
Semester	IV		
Name of the Course	Money and Banking		
Course Code	24L5.0-ECO-405		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Have insight about the Money, Money supply, Money & Capital Markets- Organisation, Structure and Working 2. Have further understanding of Banking, Commercial banks- functions & Credit Creation, RBI and Credit Control measures 3. Have knowledge about nature of financial sector-money and capital market of India, Non-bank financial intermediaries 4. Have understanding about exchange rates ,and exchange rate mechanism, theories of Exchange rate determination adjustments. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours Per Week	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Money: Functions, Classification and Significance; Money Supply: Determinants, Alternative Measures of Money Supply in India (concepts only); Money and Capital Market: Features, Structure, Instruments & Significance	15	
II	Banking: Commercial Banks- Functions and Importance, Process of Credit Creation; The Reserve Banking of India: Functions and Instruments of credit control, Recent	15	

	Monetary Policy of RBI.	
III	Financial sector: Money and Capital Markets in India: Structure, Functions and Significance; SEBI: Powers and Functions; Non-Bank Financial Intermediaries- Role and Significance; Recent Financial Sector Reforms in India.	15
IV	Exchange Rate System: Fixed and Flexible Exchange Rate ; Meaning, merits and demerits; determination, Theories of Exchange Rate: Mint Par, Purchasing Power Parity, and Balance of Payments Theory	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: • <i>M.K. Lewis (2000), Monetary Economics, Oxford University Press.</i> • <i>Bailey Roy (2005) The Economics of Financial Markets</i> • <i>R.R. Paul "Money, Banking and International Trade" Kalyani Publishers.</i> • <i>R.B.I. Bulletin, Annual Report; Report on Currency and Finance.</i>

* Applicable for courses having practical component.

INDIRA GANDHI UNIVERSITY, MEERPU- REWARI

DEPARTMENT OF ECONOMICS

(A State University Established under Haryana Act No 29 of 2013)

Recognized u/s 12 (b) & 2(f) of UGC Act, 1956

**Structure, Scheme of Examination and Syllabi (Semester V, VI, VII & VIII) for the Subject of Economics
Choice-Based Credit System (CBCS-LOCF) in accordance with NEP-2020, with Multiple Entry/Exit System
w.e.f. 2024-25**

**List of Courses Offered in the Subject of Economics for UG Programmes – Multidisciplinary (Scheme A), Major
in Economics & Minor in Other Subject (Scheme B) and Single Major in Economics (Scheme C)**

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	ECONOMICS OF GROWTH & DEVELOPMENT		
Course Code	24L5.5-ECO-501		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-5 MCC-9		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to:		
	1. Appreciate the concepts of growth and development, along with the various measures of economic development. 2. Analyse various resources as well as challenges in context of economic development. 3. Understand the process of economic growth as explained by various classical economists. 4. Comprehend various development strategies and their application. 5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Concepts of Economic Development Economic Growth and Economic Development; Measurement of Economic Development: Per Capita Income, Basic Needs Approach, Physical Quality of Life Index (PQLI), Human Development Index (HDI) and World Happiness Index; Concept of Sustainable Development.		15

II	Determinants and Challenges of Economic Development: Economic and non-economic resources for Economic Development; Poverty: Concept and measurement, vicious circle of poverty, Economic inequality; Concept and measurement; Lorenz curve, Kuznets hypothesis.	15
III	Theories of Economic Growth and Developments; Contribution of Adam Smith, Ricardo, Karl Marx and Schumpeter	15
IV	Development Strategies: Balanced and Unbalanced Growth; Theory of Big Push; Critical Minimum Efforts Thesis, low level equilibrium.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination: 70 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: - Adelman, I. (1961), Theories of Economics Growth and Development, Stanford University Press, Stanford. - Barro, R. and X. Salai- Martin, Economics Growth, McGraw Hill, New York. - Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi. - Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London. - Higgins, B. (1959), Economic Development, W.W. Norton, New York. - Kindleberger, C. P. (1977), Economics Development, (3rd Edition), McGrawHill, New York. - Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economics Development, (8th Edition), Oxford University Press, New Delhi. - Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economics Development, Pearson Education, Delhi. - Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K. - Mishra S.K. and V.K. Puri _Economics Development and Planning. (Latest Edition) - VK Global Publication PVT LTD, Development Economics, Delhi

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	5		
Name of the Course	Demography		
Course Code	24L5.5-ECO-502		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC-10		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Comprehend the basics of demography. 2. Draw on demographic concepts and population theories to explain past and present population characteristics. 3. Analyze the world population growth and trends and distinguish between the populations patterns of developed and less developed countries. 4. Describe and compare the demographic process of fertility, mortality and migration. 5. Understand and analyze various demographic issues in India.		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Fundamentals of Demographic Analysis Definition, Nature and Scope of Demography, Sources of Demographic data: Census, Sample Survey and Vital Registration System; World Population: Growth, composition and Distribution; Population Growth in India, techniques of population Analysis.		15

II	Theories of Population Pre-Malthusian population thoughts, Malthusian Doctrine, Optimum Population theory, Theory of Demographic transition, Karl Marx on Population, Biological theory of population, social theory of population, Becker's Model, Selective Rationality theory, Value of Children model: Hoffman & Hoffman.	15
III	Fertility and Mortality Fecundity, and fertility, infertility and miscarriages, factor affecting fertility, Basic measures of fertility, level and trends in fertility in the world, Concept and measures of mortality, sex and age pattern of mortality, infant and child mortality, Maternal mortality classification of causes of death, levels and trends in mortality.	15
IV	Population and Economic Development Meaning of migration, types, determinants and effects of migration, migration in India. Population and Economic Development, Human Development, Environmental Concerns, World population policies, Demographic features of Indian Population, Population Policies of India.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15		End Term Examination:70 Theory
➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Bouge, D.J. (1971). Principles of Demography, John Wiley, New York. • Harper, S. (2018). Demography: A Very Short Introduction, Cambridge University Press. • Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications. • Majumdar, P.K. (2010). Fundamentals of Demography. Rawat Publication. • Pathak, K.B. & Ram, F. (2016). Techniques of Demographic Analysis. Himalaya Publishing House. • Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications. • VK Global Publication PVT LTD, Development Economics, Delhi • VK Global Publication PVT LTD, Indian Economy, Delhi		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	Economics of Infrastructure		
Course Code	24L5.5-ECO-503		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Get exposure to the concepts and problems related to Infrastructure as well as role of Infrastructure in Economic Development. 2. Understand the concept of Economic Infrastructure and Knowledge of related policies. 3. Understand the Economics of Physical Infrastructure and infrastructure financing. 4. Understand, analyze and interpret the Economics of Social Infrastructure, it pricing and coming out with some suggestive policies.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Infrastructure and Economic Development: - Infrastructure-Meaning and Definition, Infrastructure- Development linkages; Infrastructure as a Public Good; Difference between Physical and Social Infrastructure, Role of Infrastructure in Indian Economy, Issues in privatization of infrastructure.		15

II	Energy and Power Infrastructure Primacy of Energy in the process of economic development; Sources of Energy: Renewable & Non-Renewable; Nuclear Energy, Solar and Wind Energy; Energy Conservation. Effects of Energy Shortages; The search for optimal Energy Policy in the Indian Context. Power Generation: Distribution & Pricing Policy, Privatization of Power Sector.	15
III	Transport Infrastructure Economics of transportation network growth, Transport demand, Price elasticity of transport demand, Economics of scale and behavior of transport costs; Transport and economic development, Transportation Infrastructure Finance: – Public –Private Partnership Models and its Examples.	15
IV	Social Infrastructure Health Service: Medical Facilities, State and Provision of Health, Drinking Water and Sanitation; Issues in Privatization of Health Services. Various Government Schemes in Health. Education- Concept and Scope of Human Resource Development; Education and Economic Growth, Primary, Higher and Professional Education, Right to Education.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)		End Term Examination: 70 Theory
Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Bailey Roy (2005) Infrastructure Economics, Vrinda Publications P Ltd - N Mani (2012) Infrastructure Development and Financing in India, New Century Publication - Jonathan Cowie (2010) The Economics of Transport, by Routledge. K. Narindar Jetli, Vishal Sethi (2007), Infrastructure Development in India: Post-liberalization Initiatives and Challenges, New Century Publication - Dwivedi, Rishi Muni (2011) Energy sources and policies in India, New Century Publications - VK Global Publication PVT LTD, Indian Economy, Delhi		

Part-A Introduction				
Subject		Economics		
Semester		V		
Name of the Course		ECONOMICS OF AGRICULTURE		
Course Code		24L5.5-ECO-504		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC		DSE-2		
Level of the course (As per Annexure-I)		300-399		
Pre-requisite for the course (if any)		N.A.		
Course Learning Outcomes (CLO)		After completing this course, the learner will be able: 1. To understand the importance of agriculture in economic development. 2. to familiarize with policy issues that are relevant to Indian Agricultural Economics. 3. To examine various policies (credit, input, pricing, food security, marketing, trade) pertaining to Indian agricultural sector. 4. To enhance the students’ awareness on contemporary problems of agriculture sector.		
Credits		Theory	Tutorial	Total
		03	1	04
Contact Hours		03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70		Time: 3 Hrs		
Part-B Contents of the Course				
Instructions for Paper Setters				
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).				
Unit	Topics			Contact Hours

I	AGRICULTURE AND ECONOMIC DEVELOPMENT Nature and Scope of Agricultural Economics–Traditional Agriculture and its Modernization: Sustainable Agriculture and Organic Farming– Interdependence between Agriculture and Industry. Contribution of agriculture in economic development. AGRICULTURAL FINANCE Need for Agricultural Finance- Non-Institutional Sources of Agricultural Finance: Money Lenders - Traders Commission Agency - Land lords – Institutional Sources of Agricultural Finance; Cooperative Banks, Commercial Banks, NABARD, RRBs.	15
II	Agricultural Development in India Indian Agriculture: Features, Problems and Trends; Agricultural Productivity in India – Causes of Low Productivity and Suggestions to increase Productivity in India; Agricultural growth in India since independence – Sources of Growth and instability in Indian agriculture: Risk and Uncertainty in Agriculture; cropping pattern shifts; Agricultural technology – Irrigation, HYV seed, Fertilizers and micronutrients; Critique of green revolution and need of sustainable and water-conservation agriculture	15
III	AGRICULTURAL PRICING Fluctuations in Agricultural Price: Causes and Impacts; Price Stabilization: Agriculture price and food policy. Need for Government intervention; Objectives of Price policy; Types of Agriculture Prices: Minimum Support Prices and Statutory Minimum Support Price, Procurement Prices; Fixation of Minimum Support Price; Food Corporation of India and Buffer stock; Public Distribution System (PDS) in India and its critique; National Food Security Act.	15
IV	AGRICULTURAL MARKETING Agricultural Marketing and its Importance; Components of Agriculture Market and Classifications; Marketable and Marketed Surplus; Marketing functions; Marketing Channels; Defects of Agricultural Marketing – Lines of Improvement.	15
V*		

Suggested Evaluation Methods	
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation:5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	End Term Examination:70 Theory
Part-C Learning Resources	
Recommended Books/E-Resources/LMS: • Bilgrami, S.A.R. (1996): Agricultural Economics, Himalayas Publishing House, Delhi. • Dantwala, M.L. et al., (1991): Indian Agricultural Development since Independence, Oxford & IBH, New Delhi. • Gaurav Datt and Ashwani Maharaj C (2014), Datt and Sundaram's Indian Economy, S.Chand& Co., New Delhi. • Gualti, A. and T.Kelly (1999): Trade Liberalisation and Indian Agriculture, Oxford University Press, New Delhi. • Halcrow, H.G.(1981), Economics of Agriculture, McGraw Hill International Book Agency. • Kahion, A.S. and Tyagi D.D. (1983): Agriculture Price Policy in India, Allied Publishers, New Delhi • Meier, G.M. (1995), Leading Issues in Economic Development, Oxford University Press, New Delhi. • Sadhu and Singh (1991), Agricultural Problems in India, Himalaya Publishing House, New Delhi. • Sadhu and Singh (2002), Fundamentals of Agricultural Economics, Himalaya Publishing House, New Delhi. • Sadhu and Singh (2013) Fundamentals of Agricultural Economics, Himalaya, New Delhi. • Taylor, H.C.(1949), Outlines of Agriculture Economics, MacMillan, New York • VK Global Publication PVT LTD, Indian Economy, Delhi	

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	Semester: V		
Name of the Course	FINANCIAL ECONOMICS		
Course Code	24L5.5-ECO-505		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand about Nature, scope and objectives of financial economics. 2. Analyze financial markets and its meaning, functions and types of financial markets. 3. Know about Components of Money Market; Call Money Market, Acceptance Market, Bills Market etc. 4. Understand about capital market, distinction between money market and capital market. 5. Evaluate about money supply determinants & RBI measures of monetary aggregates.		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Nature, Scope and Objective of Financial Economics; Goals of Finance; Nature, Importance and Limitations of Financial Statements; Fund Flow Statement; Cash Flow Statement; Tools of Financial Analysis-Trend Analysis, Ratio Analysis		15

II	Financial Markets- Meaning, Functions and Types of Financial Markets. Money Market-Meaning, Functions & Structure of Money Market, Growth of Indian Money Market, Components of Money Market; Call Money Market, Acceptance Market, Bills Market, Commercial Paper Market. Certificates of Deposits Market in India.	15
III	Capital Market: Nature and Role of Functions, Distinction between Money market and Capital Market, Primary Market, Secondary market, Operational Mechanism of Capital Market.	15
IV	Money Supply Determinants; High-Powered Money and Money Multiplier; RBI Measures of Monetary Aggregates. Fisher's Transactions Approach to the Quantity Theory of Money; Cambridge Cash- Balances Approach; Keynes Demand Theory of Money; Friedman's Theory of Demand for Money.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation:5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Khan, MY: Indian Financial System; Tata-Mc Grawhill • Arrow Kenneth, J. (1963), Social Choice and Individual Value, Yale University Press, New Haven • Atkinson A. B., and Siglitz J. E. (1980), Lectures on Public Economics, Tata MacGraw Hill, New York. • Bagchi, Amaresh (2005) Reading in Taxation, Oxford Press. • Baumo, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd. U.K. • Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford. • Bruce, Neil, Public Finance, Addison-Wesley Educational Publishers, Inc). • Buchanan, J. M. (1970), The Public Finances, Richard Dliwin, Homewood. • VK Global Publication PVT LTD, Fundamental of Indian Capital Market, Delhi		

Subject	Economics		
Semester	V		
Name of the Course	Haryana Economy		
Course Code	24L5.5-ECO-506		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand, explain and analyze growth and development of Haryana. 2. Describe and critically analyze growth in Haryana agriculture sector and evaluate various financing and insurance schemes. 3. Analyze industrial growth and know about the role of HSIIDC, HAFED, HKVIB. 4. Explain and analyze the evolution of budget and State Finance Commission.		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours Per Week	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		

Part-B Contents of the Course		
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).		
Unit	Topics	Contact Hours
I	Haryana Economy and Prospects: Nature, Characteristics and Problems; Concept of Economic Development; Financial Inclusions. State of the Haryana economy since its inception: Income; Demography, Health & Nutrition.	15

II	Haryana agriculture: Nature, cropping pattern, role of agriculture in Haryana economy, Green Revolution, Measures for development in agriculture, crop insurance. Agriculture credit: agriculture finance, types of agriculture finance; credit needs of farmers; sources of credit (institutional and non-institutional sources); rural indebtedness: causes, consequences and debt relief measures.	15
III	Micro, Small & Medium Enterprises (MSME) in Haryana: Meaning, Role, Performance and Challenges; SEZ, Institutions Functions, role and performance of HSIIDC, HAFED, HKVIB.	15
IV	Haryana budget: Objectives and Policies, Expenditure, Sources of Revenues and its Utilization; Latest State Finance Commission: Key issues and recommendations.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation: 5 Seminar/Presentation/Assignment/Quiz/Class Test etc.: 10 Mid Term Exam: 15 Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination: 70 Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS: - Department of Economic and Statistical Analysis, Government of Haryana Panchkula. Economic Survey of Haryana (various issues). - Planning Commission (2009). Haryana Development Report. Government of India, New Delhi. - Haryana for Industry, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Govt. of Haryana, Chandigarh. - HSIIDC: Haryana's Industrial Catalyst, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Haryana, Chandigarh. - Laxmi Narayan & Kaswan, Kavita Bhambhu (2019). Haryana Economy: Patterns, Potentials and Prospects. White Falcon Publishing. - Singh, M. & Kaur, H. (2004). Economic Development of Haryana. Deep & Deep Publications. https://sfc.haryana.gov.in/ - VK Global Publication PVT LTD, Indian Economy, Delhi

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Indian Economy		
Course Code	24L5.5-ECO-601		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC	CC-6 MCC-11		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the Indian economy's features, historical evolution, economic planning, and key indicators like GDP and inflation. 2. Recognize the role and challenges of agriculture, understand rural development issues, and evaluate policies like MGNREGA. 3. Grasp industrialization phases, services sector growth, government policies, and globalization's impact on industry and services. 4. Understand India's foreign trade structure, balance of payments components, trade agreements, Foreign Trade Policy, and globalization challenges and opportunities.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Introduction to Indian Economy: Features of the Indian Economy, Historical Evolution of the Indian Economy: Pre-colonial, colonial, and post-independence phases, New Economic Policy, Economic Planning in India: Five-Year Plans, Role of NITI Aayog. Key Economic Indicators: GDP, Saving and Investment, inflation, unemployment and poverty.		15

II	Agriculture and Rural Development: Role of Agriculture in the Indian Economy, Challenges of Indian Agriculture, Green Revolution and its impact, Agriculture and Economic reforms. Concepts, Approaches and Strategies of Rural Development, Issues of poverty, unemployment, and infrastructure. Policies for Rural Development: MGNREGA, poverty alleviation programs and Pradhan Mantri Gram Sadak Yojana.	15
III	Industry and Services Sector: Role of Industry in the Indian Economy, Process of Industrialization in India: Phases of industrial development, challenges faced, Government Policies for Industrial Development: Make in India, industrial corridors. The Services Sector: Growth, importance, and sub-sectors (IT, finance, tourism, etc.), Globalization and its impact on Indian Industry and Services.	15
IV	Foreign Trade and Globalization: Growth and Structure of India's Foreign Trade, Balance of Payments: Components, factors affecting it, and its importance. Trade Agreements and Institutions: WTO, Regional Trade Agreements (SAARC, ASEAN). Foreign Trade Policy (FTP) of India: Objectives, initiatives, and recent changes. Challenges and Opportunities of Globalization for India: Trade barriers, protectionism, and WTO.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation: 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Dutt, G. & Mahajan, A. (2020). Dutt & Sundharam's Indian Economy. S. Chand Publishing, New Delhi. - Kapila, U. (2015). Indian Economy - Performance and Policies. Academic Foundation - Kapila, U. (2018). Indian Economy Since Independence. Academic Foundation. - Ministry of Finance (2020). Economic Survey. Government of India. - Mishra, S.K. & Puri, V.K. (2020). Indian Economy. Himalaya Publications, New Delhi. - Monthly Issues of Kurukshetra-A Journal on Rural Development. - Shergill, H.S. (2006). Diversification of cropping pattern: A Re-Examination. Institute for Development and Communication, Chandigarh - Biswas, P.K. & Das, P. (Eds.). (2019). Indian Economy: Reforms and Development. Springer. - Bhagwati, Jagdish (2004). In Defense of Globalization. Oxford University Press, New Delhi. - Bhandari, Surendra (1998). WTO and Developing Countries. Deep & Deep Publications, New Delhi - VK Global Publication PVT LTD, Indian Economy, Delhi		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Economics of Labour		
Course Code	24L5.5-ECO-602		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC /AEC/ VAC)	MCC-12		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	None		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Define labor economics and its significance, and analyze historical developments in the field. 2. Understand the theory of labor supply and demand, including factors influencing individual decisions and market outcomes. 3. Evaluate wage determination mechanisms in different market structures and their impact on employment and wages. 4. Analyze alternative pay schemes, the wage structure, and factors contributing to wage differentials.		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Labor Economics: Overview of labor economics: Definition, scope, and significance. Historical development of labor economics. Basic concepts and terminology: Population, Participation Rates. Labor Quality and Investing in Human Capital.		15

II	Theory of labor supply and demand: The Theory of Individual Labor Supply; Basic Model of The Work–Leisure Decision. The Demand for Labor; Short Run and Long Run demand for labour in Perfect and Imperfect Competitive Market. Elasticity of labor supply and demand. Wage Determination and the Allocation of Labor: Perfectly Competitive Labor Market, Wage and Employment Determination in Monopoly in the Product Market, Monopsony.	15
III	Alternative Pay Schemes and Labor Efficiency: Theory of Optimal Fringe Benefits, The Principal–Agent Problem, Efficiency Wage Payments. The Wage Structure: Perfect Competition and Homogeneous Workers and Jobs. Wage Differentials and Heterogeneous Workers and Jobs. Mobility, Migration, and Efficiency: Types, Determinates and Consequences of Migration.	15
IV	Analysis of Labour Market Institutions and Policies: Labour unions, collective bargaining, minimum wage laws, labor regulations. The Economic Impact of Unions: The Union Wage Advantage, Efficiency and Productivity, Firm Profitability, Distribution of Earnings, Inflation, Unemployment, And Income Shares. Government policies and interventions in the labor market in India: Employment protection, unemployment benefits, social security schemes, labor market reforms, four labour codes. Critiques and debates surrounding labor market interventions.	15
V*		
Suggested Evaluation Methods		
	Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) ➤ Class Participation:5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Chakraborty, S. (2018), Labour Economics, Himalaya Publishing House Pvt. Ltd., India. • Mc Connell, Campbell R., Brue, Stanley L., Macpherson, David A. (2013), Contemporary Labor Economics, Eleventh Edition, McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121. • Singh, Chandra Kant (2019), Labour Economics, Deshraj & Sons, India.		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Computer Applications in Economics		
Course Code	24L5.5-ECO-603		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the fundamental components and characteristics of a computer, computer hardware components, software types, operating systems, and input/output devices essential for computer usage in economics. 2. Understand Microsoft Word's interface and navigation, document creation and formatting. They will also understand PowerPoint basics including slide creation, design themes, multimedia insertion, and presentation delivery techniques. 3. Understand the Excel interface, navigate worksheets efficiently, perform basic data entry and formatting tasks, apply sorting and filtering, use common functions and arithmetic operations, manage worksheets effectively 4. Recognize the significance of graphical representation in economics, identify appropriate economic data for visualization, understand various types of graphs and charts, and learn to prepare, customize, and interpret graphical representations effectively. 5*. To prepare a file depicting their ability to understand MS Word, Power Point and MS Excel		
Credits	Theory	Practical	Total
	03	1	04
Contact Hours	03	02	05
Max. Marks: 100 Internal Assessment Marks: 20+10(P) End Term Exam Marks: 50+20(P)	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).			

Unit	Topics	Contact Hours
I	Fundamentals of Computer Systems and Software Definition and Characteristics of a Computer, Overview of Computer Hardware and Software, Computer Hardware: Central Processing Unit (CPU), Motherboard, RAM, and ROM, Storage Devices: Hard Disk Drives (HDD), Solid State Drives (SSD), Input /Output Devices: Keyboard, Mouse, Monitor, Printer. Computer Software: System Software vs. Application Software, Operating Systems: Windows, macOS, Linux, Software Installation and Updates. Input and Output Devices: Keyboard and Mouse: Types and Functions, Monitors and Display Devices, Printers: Types and Printing Technologies	11
II	Microsoft Word and PowerPoint Essentials Introduction to Microsoft Word: Interface and Navigation, Creating and Saving Documents, Text Formatting and Editing: Fonts, Styles, and Sizes, Paragraph Formatting, Bullets, Numbering, and Lists, Document Layout and Design: Page Layout, Margins, and Orientation, Headers and Footers, Inserting Images, Shapes, and Smart Art Introduction to Power Point: Creating a New Presentation, Slide Layouts and Design Themes, Adding Content: Inserting Text, Images, and Multimedia, Formatting Slides and Objects, Slide Transitions and Animations: Applying Transitions, Adding Animations to Objects, Delivering the Presentation: Slide Show Settings.	11
III	Excel Fundamentals and Navigation Excel Interface Overview: Ribbon, Tabs, and Quick Access Toolbar, Worksheets, Rows, Columns, and Cells, Navigating Excel: Scrolling, Zooming, and Selecting Cells, Moving and Copying Data, Entering Data: Typing and Editing Text and Numbers, Using AutoFill for Series and Patterns, Cell Formatting: Font, Color, and Borders Cell Styles and Themes, Sorting and Filtering Data: Sorting Data Alphabetically or Numerically, Applying and Clearing Filters, Common Functions: SUM, AVERAGE, MIN, MAX, COUNT, COUNTA, COUNTBLANK, Basic Arithmetic operations: Addition, Subtraction, Multiplication and Division, Managing Worksheets: Adding, Renaming, and Deleting Worksheets, Moving and Copying Worksheets, Saving, Opening, and Closing Workbooks.	11
IV	Graphical Representation in Economics Importance of Graphical Presentation in Economics: Understanding the Role of Visuals in Economic Analysis, Benefits of Graphical Representation in Economic Communication, Types of Economic Data Suitable for Graphical Representation, Types of Graphs and Charts; Line Charts: Representing Time Series Data, Trends, and Comparisons, Bar and Column Charts: Comparing Categories, Quantities, and Changes Over Time, Pie and Donut Charts : Showing Proportions and Percentages, Scatter Plots: Displaying Relationships Between Two Variables, Histograms and Frequency Polygons: Visualizing Data Distribution and Frequency, Data Preparation for Graphs Cleaning and Formatting Data for Visualization, Customizing Graphs for Clarity : Adding Titles, Labels, Legends, and Annotations, Adjusting Colors, Styles, and Scales, Interpreting Graphical Representations	12
V*	Students should be able to run the commands of MS Word, PowerPoint and MS Excel mentioned in syllabus with their application in economics.	15

Internal Assessment: 30 ➤ Theory: 20 (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation :05 Seminar/Presentation/Assignment/Quiz/Class Test etc. :05 Mid Term Exam:10 ➤ Practicum:10 Class Participation: Seminar/Demonstration/Viva Voce/Lab Records etc.: 10 Mid Term Exam:	End Term Examination:50 Theory Practicum: 20 Practical/Viva Voce/Lab Records.
Part-C Learning Resources	
Recommended Books/E-Resources/LMS: • Beal, V. (2011). Computer Basics: A Beginner's Guide to Understanding How Computers Work (4th ed.). Course Technology. • Cole, M. (2016). Simplifying information graphics: A user's guide to making data meaningful. O'Reilly Media, Inc. (Chapter on Designing Effective Visuals) • Few, S. (2009). Now you see it: How data visualization can transform your business. John Wiley & Sons. (Chapter on Power of Data Visualization) • Huffaker, R. (2015). Presentation zen: Simple ideas on presenting with confidence. Pearson Education Limited. (Chapter on Using Visuals Effectively) • Kurose, J. F., & Ross, K. W. (2017). Computer networking: A top-down approach (7th ed.). Pearson. • Microsoft. Excel Help & Learning. https://support.microsoft.com/en-us/excel (Official Microsoft guide with tutorials and articles) • Svetlana Chernyshova (2023). Microsoft Excel 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions) • Microsoft. PowerPoint Help & Learning. https://support.microsoft.com/en-us/office/powerpoint-for-windows-training-40e8c930-cb0b-40d8-82c4-bd53d3398787 (Official Microsoft guide with tutorials and articles) • Gaskin, T. (2023). Microsoft PowerPoint 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions) • Microsoft. Word Help & Learning. https://support.microsoft.com/en-us/word (Official Microsoft guide with tutorials and articles) • Gaskin, T. (2023). Microsoft Word 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions) • Morgan, M. R., & Morrison, G. R. (2019). Data analysis for decision makers. Cengage Learning US. (Chapter on Choosing the Right Chart) • Patterson, D. A., & Hennessy, J. L. (2017). Computer organization and design: The hardware/software interface (5th ed.). Morgan Kaufmann. • Stallings, W. (2018). Computer organization and architecture: Designing for performance (11th ed.). Pearson. • Tanenbaum, A. S., & Austin, T. (2015). Structured computer organization (6th ed.). Pearson.	

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Economics of Insurance		
Course Code	24L5.5-ECO-604		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the nature and scope of insurance, including the meaning of Insurance and its principles 2. Develop the understanding of risk and risk management 3. Evaluate the different types of insurance and selection of risk 4. Understand the insurance regulation and apply the concepts of Moral hazard and Adverse selection in practical situation.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Un it	Topics		Contact Hours
I	Rationale of Insurance Meaning, Definition and Scope of Insurance; Evolution and Importance of Insurance; Nature, Functions, Elements, Principles and Fields of Insurance; major determinants of the demand for insurance		15
II	Risk and Risk Management Fundamentals of Uncertainty and Risk; Classification of Risk; Concepts of Risk Management; Elements of Risk Management- Risk Assessment, Risk Control, Risk Financing, Risk pooling and risk transfer in insurance		15

III	Types of Insurance Fundamentals of Life and Health Insurance- Functions of Life and Health Insurance, Plans of Life Insurance, Selection of Risks, Underwriting of Life and Health Insurance; General Insurance - concept and types.	15
IV	Insurance Regulation Asymmetric information and its consequences; Moral Hazard; Adverse selection; objectives, Theories of insurance Regulation; Effects of Insurance Regulation; Recent Trends in Insurance Regulation; Insurance Regulation and Development Authority.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources Recommended Books/E-Resources/LMS: • Bhole, L.M., 1990, The Indian Financial System, Tata McGraw Hill, New Delhi. • Black, K.Jr and H.D. Skipper, 2000, Life and Health Insurance, Prentice Hall, N.J. • Bailey, R., 1999, Underwriting in life and insurance, LOMA, Atlanta. • Bickelhaupt, D.L., 1992, General Insurance, Irwin Inc. Burr Bridge • Finsinger, J and M.V. Pauly (Eds), 1986, McGraw Hill's life Insurance, The American College, Bryn Mawr Pa. • Hedad, G.L., and S. Horn II, 1991, Essentials of Risk Management, Vol.1, Insurance Institute of America. • Skipper, J.H.D. (Ed) 1988, International risk and insurance: An environmental managerial approach, Irwin McGraw Hill, Boston • Taehimo, K.B. and D.A. Linic, 1993, Planning for Retirement needs, The American College, Bryn Mawr pa. 9. Palande, P.S., Shah, R.S and Lunawal, M.L., 1983, Insurance in India, Changing policies and emerging opportunities, Response Books, A division of Sage Publications India. • Arunajatesan S. & T. R. Viswanathan, Risk Management and Insurance, (2009) Macmillan Publishers Ltd. • Dorfman S. Mark (2012, 1987) Introduction to Risk Management and Insurance, Eighth Ed, Prentice-Hall. • Hampton John J. (1993) Essentials of Risk Management and Insurance, (1993), American Management Association (Amacom). • S. Hun Seog (2010) The Economics of Risk and Insurance, Wiley-Blackwell • P. Zweifel and R. Eisen (2012) Insurance Economics, Springer		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Gender Economics		
Course Code	24L5.5-ECO-605		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learners will be able to:		
	1. Understand gender economics, historical perspectives, and various approaches like WID, WAD, and GAD. They'll also be familiar with gender-related development indices like GDI, GEM, and GGI. 2. Analyze women's economic contributions, understand valuation of women’s work, factors affecting labor market entry, and key issues like wage disparity. 3. Interpret female population demography and understand gender differences in economic outcomes through various theories. 4. Grasp concepts of gender mainstreaming, gender audit, and gender budgeting. They'll also understand women's economic empowerment, sustainable development goals, and monitoring tools for gender-responsive policies		
Credits	5*.		
	Theory	Tutorial	Total
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			

Unit	Topics	Contact Hours
I	Foundations of Gender Economics Definition, Scope, and Importance of Gender Economics, Historical Perspectives on Gender and Economics, Difference between Gender and Sex, Gender Issues in Economic Theory, Approaches: Women in Development (WID), Women and Development (WAD), Gender and Development (GAD), Gender-Related Development Indices: Gender-Related Development Index (GDI), Gender Empowerment Measure (GEM), Global Gender Gap Index (GGI)	15
II	Women's Economic Role and Work Women's Contribution to National Income and Growth, Concept and Analysis of Women's Work: Valuation of Productive and Unproductive Work, Visible and Invisible Work, Paid and Unpaid Work, Economically Productive and Socially Productive Work, Methodological Issues in Measurement of Women's Work and Contribution to Income. Factors Affecting Female Entry in the Labour Market, Labour Market Issues: Occupational Segregation, Wage Disparity and Feminization.	15
III	Demographics and Gendered Economic Outcomes Demography of female population: Age structure, mortality rates, Fertility rates and sex ratio. Gender differences in economic outcomes: Human Capital Theory, Bargaining Theory, Time Use Theory, Intersectionality Theory and Institutional Theory	15
IV	Gender Integration in Policy and Development Gender mainstreaming in policy-making and implementation, Gender Audit and Gender Budgeting, Women in Planning and Social Policy, Women's Economic Empowerment Programs (Micro finance and Skill Training), Role of women in sustainable and green economy sectors, Gender-sensitive design of social protection schemes, Gender equality as a sustainable development goal , Role of International Organizations in Promoting Gender Equality, Paradigm shift from women well-being to Women's Empowerment, Importance of monitoring and evaluation in gender-responsive policymaking, Key indicators and tools for evaluating gender-responsive policies.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation: 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam1: 5 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources Recommended Books/E-Resources/LMS: • Acker, J. (2006). Gender and inequality: Lessons from sociology. Pine Forge Press. • Alkire, S., & Koch, I. (2008). Gender and the Millennium Development Goals: A special report. Oxford University Press. • Arulappan, T. (2001). The economics of gender. Oxford University Press. • Asian Development Bank. (2012). Handbook for conducting gender audits.		

- UN Women. (2008). Gender budgeting: Making it work for women' empowerment.
- Becker, G. S. (1991). A treatise on human capital. University of Chicago Press. (Human Capital Theory)
- Beneria, L., & Molyneux, M. (2003). Gender and development: Theories, practices, and policies. Routledge.
- Bergmann, B. (2003). In the shadow of man: The history of women in the economic theory. Routledge.
- Bittman, M., England, P., Folbre, N., & Meyers, C. (2003). The divided household: Gender and time use in the United States. Russell Sage Foundation. (Time Use Theory)
- Charles, M., & Berrin, J. (2013). Gender and development. Routledge.
- Elson, D. (1999). In gels like money: Towards a feminist analysis of monetary valuation. Routledge.
- Esping-Andersen, G. (2009). The welfare state for the 21st century. Oxford University Press. (Chapter on Gender and Social Protection)
- Folbre, N. (1994). Who cares for the kids? Gender and the welfare state. Cornell University Press.
- Goetz, A. M., & Chaudhuri, N. (2014). Women and development: Concepts, critiques, and current trends. Zed Books.
- International Labour Organization. (2019). Promoting decent work for women: A toolkit.
- Jaffee, D. (2014). Feminist economics. Routledge. (Chapter on Labor Market Theories)
- Sen, A. (1990). Gender and cooperative conflicts. WIDER Working Papers
- Lundberg, S., & Pollak, R. A. (1993). Bargaining and distribution within the household. Journal of Economic Literature, 31(2), 815-827. (Bargaining Theory)
- Nelson, J. A. (2005). Feminists, institutions, and social change. University of Chicago Press. (Institutional Theory)
- OECD Development Centre. (2016). Gender equality policies: A global review
- OECD Development Centre. (2006). Gender mainstreaming in practice: A toolkit.
- Razavi, S. (2009). Gender and social policy. Routledge.
- Smyth, I., & Rai, M. (2017). Gender and development. Routledge. (Chapter on Gender and Social Policy)
- Sen, A. (1990). Gender and cooperative conflicts. WIDER Working Papers
- UN Women. (2021). Women's leadership and participation in the green economy. UNEP. (2020). Gender and the environment handbook: A guide to gender-responsive environmental policy, plans and programs.
- United Nations Development Programme. (2023). Human development report 2023. <https://hdr.undp.org/reports-and-publications/towards-2023-human-development-report>
- United Nations Economic and Social Council. (2000). Integrating gender into economic and social policies: A practical guide.
- United Nations Population Fund. (2021). State of World Population 2021: Women's bodies, women's choices.
- United Nations. (2015). Transforming our world: The 2030 Agenda for Sustainable Development. <https://sdgs.un.org/2030agenda> (Goal 5: Gender Equality)
- World Bank. (2008). Gender and economics. <https://www.worldbank.org/en/topic/gender/overview>
- World Bank. (2012). World Development Report 2012: Gender Equality and Development.
- World Bank. (2018). Women, Business and the Law

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Welfare Economics		
Course Code	24L5.5-ECO-606		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC	DSE-5		
Level of the course (As per Annexure-I)	N.A.		
Pre-requisite for the course	N.A.		
(if any)			
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. The course will introduce various concepts of Welfare Economics. 2. Identify the causes inhibiting attainment of maximize social welfare 3. Students would be able to evaluate the welfare effects of policy changes in a coherent way.		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours Per Week	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Meaning and Scope of Welfare Economics; Benthamite Approach to Aggregate Welfare; Adam Smith's views on Economic Welfare; Assumption of Uniform Income – Utility Function of Individuals; Questions of Income Distribution		15

II	Marshallian Welfare Economics; Pigovian Welfare Economics; Consumer's Surplus-Measurement and Criticism. Hicksian Consumer Surplus- Concept of Consumer's Surplus, Principle of Compensating Variation; Consumer's Surplus and Tax-Bounty Analysis.	15
III	Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum, Concept of contract curve; Top level optimum; Kaldor and Hicks Compensation Principle; The Scitovsky double criterion.	15
IV	Bergson's social welfare function; Marginal cost pricing; Cost-benefit analysis; The Role of The State to maximize Social Welfare.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Baumol, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K. - Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford. - Pigou, A.C. (1962), The Economics of Welfare (4Edition), Macmillan. - Hicks, J.R. (1956), A Revision of Demand Theory, Clarendon Press, Oxford. - Little, LM.D. (1949), The Foundations of Welfare Economics, Oxford Economic Papers, - Ahuja, H.L. (2016), Advanced Economic Theory, S.Chand Publications, Delhi		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Mathematics For Economics		
Course Code	24L6.0-ECO-701		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H1		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	1. After completing this course, the learner will be able to: 2. Understand the various rules of matrix algebra and apply them in solving simultaneous equations models including input-output model. 3. Appreciate the techniques of differential as well as integral calculus and apply these in analyzing various micro economic concepts. 4. Solve the differential and difference equations and estimate as well as interpret the time path of various economic variables 5. Apply the techniques of linear programming as well as game theory to analyze the optimizing behavior of economic agents.		
	5*		
Credits	Theory 03	Tutorial 01	Total 04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		

Part-B Contents of the Course		
Instructions for Paper Setters - Nine Questions will be set in all and students will be required to attempt 5 questions. - Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). - For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).		
Unit	Topics	Contact Hours
I	Matrix Algebra and Its Applications Concepts of Matrix and Determinant; Simple operations on matrices; Matrix inversion and rank of matrix; Solution of simultaneous equations through Cramer's rule and Matrix inverse method; Introduction to input-output analysis.	15
II	Differential and Integral Calculus Rules of differentiation; Applications and interpretations of simple and partial derivatives; Problems of maxima and minima in single and multivariable functions; Unconstrained and constrained optimization in simple economic problems. Concept and rules of integration; Application to consumer's and producer's surplus.	15
III	Differential Equations and Difference Equations Differential equations – Form and Solution of linear differential equations; Applications in Micro and Macro Economic models. Difference equations – Solution of first order and second order difference equations; Applications in trade cycle models, growth models and lagged market equilibrium models.	15
IV	Linear Programming and Game Theory Linear programming – Basic concepts, Nature of feasible, basic and optimal solution; Solution of linear programming problem through graphical and simplex method. Game theory – Concept of a game; Two-person Zero-sum game; Value of a game; Strategies- simple and mixed; Dominance rule; Solution of a game by linear programming.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

1. Aggarwal, D. R. (2018). Quantitative methods. Vrinda Publications.
2. Allen, R.G.D. (2002). Mathematical analysis for economists. Macmillan Press and ELBS, London.
3. Black, J., & Bradley, J.F. (1973). Essential mathematics for economists. John Wiley and Sons.
4. Chiang, A.C. (2006). Fundamental methods of mathematical economics. McGraw Hill, New York.
5. Chiang, A.C. (1999). Elements of dynamic optimization. Waveland Press Inc., Long Grove, Illinois.
6. Chung, J.W. (1994). Utility and production: Theory and applications. Basil Blackwell, London.
7. Joshi, R. C. (2008). Basic mathematics for economists. New Academic Publishing.
8. Leontief, W. W. (1936). Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, 18, 105-125.
9. Mehta, B. C. & Madnani, G. M. K. (2018). Mathematics for economists. Sultan Chand & Sons.
10. Miller, R.E. & Blair, P.D. (1985). Input-Output analysis: Foundations and extensions. Prentice-Hall, Englewood Cliffs, New Jersey.
11. Mouhammed, Adil H. (2004). Quantitative methods for business and economics. PHI, New Delhi.
12. Simon, Carl P., & Blume, Lawrence (1994). Mathematics for economists. W. W. Norton & Company.
13. Sydsaeter, K., & Hammond, Peter J. (1995). Mathematics for economic analysis. Prentice Hall.
14. Taha, Hamdy A. (2001). Operations research: An introduction. Pearson Education.
15. Varian, H. (2006). Microeconomic analysis. W.W. Norton, New York.
16. Vohra, N.D. (2008). Quantitative techniques in management. Tata McGraw Hill.
17. Yamane, T. (1973). Mathematics for economists. PHI.
18. VK Global Publication PVT LTD, Mathematics for Economists, Delhi

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	International Economics		
Course Code	24L6.0-ECO-702		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-H2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to		
	1. Understand the basic economic concepts of trade theory. 2. take rational decisions in Issues related international economics. 3. Examine instruments and consequences of trade policy measures—including tariffs and quantitative restrictions; 4. Understand international financial markets and the macroeconomics of open economies; balance of payments and the trade balance; exchange rates and the foreign exchange management		
Credits	5*.		
	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			

Unit	Topics	Contact Hours
I	Nature and scope of International Economics Difference between International and Inter-regional trade, Importance of International trade, Classical and Modern theory of international trade, Leontief paradox	15

II	Terms of Trade: Meaning, Types and Factors affecting terms of trade Theory of Reciprocal demand of terms of trade (Offer Curve Analysis) Concept of Gains from Trade: Static and Dynamic gains Forms of protection: Tariffs and Quota (Meaning, Types and effects under partial and general equilibrium) Other non-tariff barriers	15
III	Balance of Trade and Balance of Payment: concepts and components Equilibrium and the Disequilibrium in balance of payment, various measures to correct deficit in balance of payment Exchange rate: Meaning of Fixed and Flexible exchange rate Concepts of devaluation and depreciation of currency Effects of exchange rate changes on domestic prices History of International Monetary system introduction to Euro currency market	15
IV	International Organizations: IMF: Role and Functions, World Trade Organization (main features, TRIPS, TRIMS), WTO and India Recent changes in the direction, composition and BoP of India's foreign trade, Recent foreign trade policy, Concepts of Full and Partial Convertibility of Rupee, FEMA, FDI in India	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation Seminar/Presentation/Assignment/Quiz/Class Test etc. Mid Term Exam ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination: 70 Theory

Part-C Learning Resources
Recommended Books • Dominick Salvatore, International Economics: Trade and Finance, John Wiley International Student Edition, 10th edition, 2011. • Francis Cherunilam, International Economics, McGraw Hill Education; 5th edition (1 July 2017) • Francis Cherunilam International Trade and Export Management, Himalaya Publishing House (1 January 2019) • K.C. Rana & K.N. Verma, International Economics Vishal Publishing Co.; 5th (Revised) edition • VK Global Publication PVT LTD, International Economics, Delhi

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Public Economics		
Course Code	24L6.0-ECO-703		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-H3		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the concept of efficiency along with various solutions of market failure. 2. Comprehend the welfare distribution aspects in context of public goods besides grasping the preference revelation mechanisms. 3. Understand the economic implications of various taxes along with their positive as well as normative analysis, and thus become able to design an efficient and equitable taxation system. 4. Apply economic perspectives on activities of the government sector to become well-informed and engaged participants (citizens, voters, politicians and/or civil servants) in society.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	The Public Economy Exchange Economy, Production Economy and Efficiency; Asymmetric Information and market Failure; Externalities - Negotiation, Permit trading, Common property Resources; Rent Seeking; Efficiency Aspects of Public Enterprises - Marginal cost pricing, Peak Load Pricing, Theory of Second Best.		15

II	Theory of Public Goods Efficient Provision of Public Goods; Bowen-Lindahl Model; Samuelson Model; Nash equilibrium Approach; Clarke Mechanism; Lindahl-Wicksell Mechanism; Theory of Club Goods; Global Public Goods.	15
III	Analysis of Taxation Incentive Effects of Taxation on Labour Supply, Savings, and Risk Taking; Tax Incidence – Partial and General Equilibrium Analysis; Excess Burden of Tax and its Measurement; Efficiency and Equity Principles of Taxation; Optimal Commodity Tax; Optimal Income Tax.	15
IV	Economics of Public Choice Rational Voter Hypothesis; Characteristics of Majority Voting Rule; Bowen-Black Model; Buchanan and Tullock Model; Arrow's Impossibility Theorem; Downs Model; Bureaucratic Behaviour: Niskanen Model, Tullock Model.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Akerlof, G. (1970). The market for 'Lemons': Quality uncertainty and the market mechanism. Quarterly Journal of Economics, 84(3), 488-500. • Bergstrom, T., Blume, L. & Varian, H. (1986). On the Private Provision of Public Goods. Journal of Public Economics, 29, 25-49. • Boadway, Robin (1984). Public sector economics. Cambridge, Winthrop Publications. • Bowen, H.R. (1943). The interpretation of voting in the allocation of economic resources. The Quarterly Journal of Economics, 58(1), 27-48. • Buchanan, J. & Tullock, G. (1962). The calculus of consent. Ann Arbor Paperbacks. • Clarke, E.H. (1971). Multipart Pricing of Public Goods. Public Choice, 11, Rand McNally. • Coase, R. (1960). The problem of social cost. Journal of Law and Economics, 3, 1-44. • Cullis, John & Jones, Philip (2009). Public finance and public choice: Analytical Perspectives. Oxford University Press. • Den Doel, Hans Van & Velthoven, Ben Van (1993). Democracy and welfare economics. Cambridge University Press. • Downs, Anthony (1957). An economic theory of democracy. Harper & Row Publishers, New		

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- Foley, D.K. (1970). Lindahl's solution and the core of an economy with public goods. *Econometrica*, 38(1), 66-72.
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- Ithori, Toshihiro (2016). *Principles of public finance*. Springer.
- Jha, Raghendra (1998). *Modern public economics*. Routledge.
- Lipsey, R.G. & Lancaster, K. (1956). The general theory of second best. *Review of Economic Studies*, 24, 11-32.
- McNutt, P.A. (2002). *The economics of public choice*. Edward Elgar.
- Mirrlees J. (1971). An Exploration in the Theory of Optimum Income Taxation. *Review of Economic Studies*, 38(2), 175-208.
- Niskanen, W. A. (1971). *Bureaucracy and representative government*. Aldine-Atherton, Chicago.
- Rosen, H. S. & Gayer, T. (2014). *Public finance*. McGraw Hill.
- Samuelson, P. A. (1954). The pure theory of public expenditure. *Review of Economics and Statistics*, 36(4), 387-389.
- Samuelson, P. A. (1955). Diagrammatic exposition of a theory of public expenditure. *Review of Economics and Statistics*, 37(4), 350-356.
- VK Global Publication PVT LTD, Public Finance, Delhi

Session 2024-2025	
Part-A Introduction	
Subject	Economics
Semester	VII
Name of the Course	Econometrics
Course Code	24L6.0-ECO-704
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the definition, scope, and importance of econometrics, differentiate types of data and probability distributions, and apply Simple Linear Regression using Ordinary Least Squares (OLS) estimation methods. 2. Evaluate estimator properties, apply the Gauss-Markov Theorem, conduct significance tests with t and F tests, assess model goodness-of-fit, and understand various functional forms of regression models. 3. Grasp the concept of multiple linear regressions, perform estimation and interpretation of results, and identify and address issues like multicollinearity, heteroscedasticity, and autocorrelation in OLS assumptions. 4. Create and use dummy variables, avoid the Dummy Variable Trap, They will also be familiar with LPM, Logit, Probit Models, and Fixed Effects model estimation using the LSDV method.		
	5*.		
Credits	Theory	Practical	Total
	03	1	4
Contact Hours	03	2	5
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Introduction to Econometrics: Definition scope, Methodology and importance of econometrics, Types of Data; Time Series data, Cross Section Data and Panel Data. Probability distributions; normal and t-distribution, Hypothesis testing and confidence intervals. Simple Linear Regression: Simple Linear Regression; Definition and assumptions, Estimation methods; Ordinary Least Squares (OLS),		12
II	Estimation, Significance Testing, and Model Evaluation in Simple Regression: Desirable properties of an estimator, Gauss Markov Theorem, Test for the significance of parameter estimates (t-test and F-test), Goodness-of-fit and model evaluation, Functional forms of Regression Models		11
III	Multiple Linear Regression and Violation of Assumptions: Multiple Linear Regression Model; Definition and basic concept of multiple regression, Estimation and Interpretation; Causes and consequences of violation of OLS assumptions: Multicollinearity, Heteroscedasticity, and Autocorrelation.		11

IV	Dummy Variables and Fixed Effects Models: Definition and construction of dummy variables Use of dummy variables to represent categorical variables, reference category and its interpretation, Applications of dummy variables in Economics, Dummy Variable Trap, Uses of Dummy variable for testing structural change, seasonal analysis and interaction effect. LPM, Logit and Probit Models. Fixed effects model estimation by LSDV method.	11
V*	● Estimation of OLS Model and fitting regression line ● Testing of Parameters ● Testing the significance of overall equation ● Detection and removal of multicollinearity-1 ● Detection and removal of multicollinearity-2 ● Detection and removal of heteroscedasticity-1 ● Detection and removal of heteroscedasticity-2 ● Detection and removal of autocorrelation ● Dummy Variable applications-1 ● Dummy Variable applications-2 ● Dummy Variable applications-3 ● Dummy Variable applications-4 ● Dummy Variable applications-5	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 Mid Term Exam 10 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc.: 10 Mid Term Exam:		End Term Examination: 70 Theory :50 Practicum/ Viva Voce/Lab Records: 20
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: ● Baltagi, B.H. (1988). Econometrics. Springer, New York. ● Goldberger, A.S. (1998). Introductory Econometrics. Oxford University Press, New York. ● Gujarati, D.N. (1995). Basic Econometrics. McGraw Hill, New Delhi. ● Intrilligator, M.D. (1978). Econometric Methods, Techniques and Applications. Prentice Hall Englewood Cliffs, New Jersey. ● Johnston J. (1991). Econometric Methods. McGraw Hall Book Co., London. ● Kmenta J. (1998). Elements of Econometrics. University of Michigan Press, New York. ● Koutsoyiannis, A. (1977). Theory of Econometrics. The Macmillan Press Ltd., London. ● Maddala G.S. (Ed.) (1993). Econometric Methods and Application. Aldershot U.K. ● Madnani, G.M.K. (2004). Introduction to Econometrics: Principles and Applications. Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi. ● Pindyck R.S. & Rubinfeld, D.L. (1976). Econometric Models and Economic Forecasts. McGraw Hill Kogakusha Tokyo		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Growth Models in Economics		
Course Code	24L6.0-ECO-705		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-6		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the basic concepts and tools used in growth models. 2. Be aware of the perspectives of various economists on growth process and able to identify the main factors responsible for economic growth. 3. Understand the models dealing with the problem of instability of equilibrium growth and its solution as well as the model of optimum growth. 4. Figure out the Cambridge models as well as a basic model of endogenous growth.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			

Unit	Topics	Contact Hours
I	Fundamentals of Growth Models: Theories and Models; Positive and Normative Theories; Concepts of Growth Rate, and Steady Growth; Purposes of Growth Models; Types of growth theory; Role of assumptions. Introduction to Economic Growth and Development: Concepts and Indicators; Importance of Growth, World Income Distribution, History of Modern Growth Theory; Growth Accounting.	15
II	General Approaches to Economic Growth Classical Theories: Adam Smith and David Ricardo; Marxian Theory of Capitalistic Development; Rostow Doctrine, Chenery's Pattern of Structural Change; The Schumpeterian theory, Dualistic Theories.	15
III	Growth Models – I Instability of Equilibrium: Harrod - Domar Model; Solow's Neo-Classical Growth Model; Duesenberry's Optimum Growth Model; Models of Technical Change; Structural Change Models (Lewis), Fei-Ranis Theory.	15
IV	Growth Models – II Cambridge Models: Joan Robinson and Kaldor; Romer's Endogenous Growth Model; Convergence and Divergence controversy; Lucas Model, Kremer's O-Ring theory of Economic Development.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc.: 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination: 70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: ● Jones, H.G. (1975). An introduction to modern theories of economic growth. London: Thomas Nelson Ltd. ● Puri, V.K. & Mishra, S.K. (2020). Economics of development and planning: Theory and practice. New Delhi: Himalaya Publishing House ● Adelman, I. (1961). Theories of economic growth and development. California: Stanford University Press. ● Vashisth, B.K. (1991). Aarthikvikasevamniyojan. Chandigarh: Haryana Sahitya Academy. ● Jones, C.I. & Vollrath, D. (2013). Introduction to economic growth. USA: W. W. Norton & Company. ● Puri, V.K. & Mishra, S.K. (2020). Economics of development and planning: Theory and practice. New Delhi: Himalaya Publishing House. ● Meier, G.M. & Rauch, J.E. (2010). Leading issues in economic development. New Delhi: Oxford University Press. ● Todaro, M.P. & Smith, S.C. (2020). Economic development. London: Pearson Education. ● Wayne Nafziger, E. (2006). Economic development. New York: Cambridge University Press.		

- Barro R.J. & Sala-i-Martin (2004). Economic Growth. New Delhi; Prentice –Hall of India private limited.
- VK Global Publication PVT LTD, Development Economics, Delhi
- Puri, V.K. & Mishra, S.K. (2020). Economics of development and planning: Theory and practice. New Delhi: Himalaya Publishing House.
- Meier, G.M. & Rauch, J.E. (2010). Leading issues in economic development. New Delhi: Oxford University Press.
- Todaro, M.P. & Smith, S.C. (2020). Economic development. London: Pearson Education.
- Wayne Nafziger, E. (2006). Economic development. New York: Cambridge University Press.
- Barro R.J. & Sala-i-Martin (2004). Economic Growth. New Delhi; Prentice –Hall of India private limited.
- VK Global Publication PVT LTD, Development Economics, Delhi

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Economic Data Analysis		
Course Code	24L6.0-ECO-706		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PC-H1		
Level of the course (Annexure-I)	400-499		
Pre-requisite for the course (if any)	Basic Statistics		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the various types of data and measurement scales relevant to economics. 2. Develop and test economic hypotheses by z, t, and Chi-square test. 3. Apply the correlation, regression and ANOVA to analyse the economic data. 4. Use ICT based software and develop research paper writing skills.		
	5*. Analyze Economic Data		
Credits	Theory	Practical	Total
	0	4	04
Contact Hours	0	8	08
Max. Marks: 100 Internal Assessment Marks:20+10* End Term Exam Marks: 50+20*	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Five Data Analysis Problems will be given in all by the examiner on the spot in the lab and the students will be required to analyze four of them. 2. At least one problem from each unit shall be given. 3. Each problem shall be of 10 marks.			
Unit	Topics		Contact Hours
I	Types of data- cross section data, time series data, panel data; Scales of data (nominal, ordinal, interval, ratio), Presentation of Data: Bar graph, Pie chart, Line graph, Scatter Plot, Frequency distributions, Histograms, Frequency Polygons, Relative-Frequency Distribution, Cumulative Frequency Distribution (Ogives and Percentage Ogives), Frequency Curves, Summarising the Data: central tendency (mean, mode, median), Dispersion (Range,Variance, Standard Deviation), Skewness, Kurtosis.		30

II	Sampling Techniques: Random and Non-Random Sampling (types and limitations) Sampling Distributions: Sampling distributions of mean, Proportions, Differences, and Sums; Standard Error. Probability Distribution: Random Variables, Expected values, Characteristics and uses of Binomial, Poisson and Normal distributions	30
III	Testing of hypothesis: Hypothesis testing Procedure; One Sample tests and Two Sample Tests (Z and t tests); Chi-Square test; One and Two tail tests; Confidence interval; level significance; p-value. Correlation Analysis: Simple, Partial and Multiple correlations; Rank Correlation; Testing the Significance of Correlation Coefficient.	30
IV	Regression: Meaning, Assumptions and applications of Regression Analysis; Simple Linear Regression Model; Relation between regression and correlation coefficients, ANOVA: Analysis of Variance (Basic Concepts); One way and Two ANOVA and its Applications in Economics, Similarities and differences between Regression and ANOVA; R-square.	30
Suggested Evaluation Methods		
Internal Assessment Practicum: 30 Class Participation: 5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15		Practicum: 70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Gupta S.C. (1993), Fundamentals of Statistics, S. Chand & Sons New Delhi - Spiegel, Murry R (1992), Theory and problems of Statistics, Schaum's outline series, McGraw Hill. - George Darren (2011): SPSS for Windows Step by Step: A simple Guide and Reference, Pearson Education, Prentice Hall. A. Koutsoyiannis (2004), Theory of Econometric, Palgrave Macmillan. - VK Global Publication PVT LTD, Basic Statistics for Economics, Delhi		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Mathematical Economics		
Course Code	24L6.0-ECO-801		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H4		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand and design different forms of utility and demand functions; and thereby attain in-depth knowledge of optimization and related concepts in consumer behavior using mathematical derivations. 2. Elucidate various forms of production functions along with their working, and concepts of optimization, duality, product exhaustion, productivity and efficiency using mathematical equations. 3. Explain mathematically the concepts of market equilibrium as well as general equilibrium, and estimate, and interpret the time path of any economic variable. 4. Analyze and interpret the choices made by consumers, investors and firms under uncertainty, and over different time periods.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
• Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			

Unit	Topics	Contact Hours
I	Consumer Behavior Types of Utility Functions; Ordinal utility maximization; Demand functions—ordinary and compensated; Slutsky equation; Consumer surplus; Elasticity of demand; Linear expenditure systems; Indirect utility function.	15
II	Production Function Analysis Production functions (CD, CES, Translog) and their properties; Producer's equilibrium; Duality in cost and production functions; Product exhaustion theorems; Growth Accounting Equation; Methods for measuring productivity and efficiency.	15
III	Market Equilibrium Product and factor market equilibrium; Existence, uniqueness and stability of equilibrium; Static stability; Dynamic stability-lagged adjustment and continuous adjustment; General equilibrium - pure exchange, production and exchange, the numeraire and money.	15
IV	Choice Under Uncertainty and Optimization Over Time Problem of choice in situations of uncertainty and risk; Production under uncertainty; Futures market and hedging; multi-period consumption; Time value of money and project selection criterion. Risk–return trade off.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Allen, R.G.D. (1972). Mathematical economics. Macmillan, London. • Allen, R.G.D. (2002). Mathematical analysis for economists. Macmillan Press and ELBS, London. • Chiang, A. C. (2006). Fundamental methods of mathematical economics. McGraw Hill, New York. • Chiang, A.C. (1999). Elements of dynamic optimization. Waveland Press Inc., Long Grove, Illinois. • Henderson, J. M., & Quandt, R.E. (2003). Microeconomic theory: A mathematical approach. McGraw Hill, New Delhi. • Koutsoyiannis, A. (1979). Modern microeconomics. Macmillan Press, London. • Lancaster, K. (2012). Mathematical economics. Dover Publications Inc., New York. • Mehta, B. C. & Madnani, G. M. K. (2018). Mathematics for economists. Sultan Chand & Sons. • Varian, H. (2006). Microeconomic analysis. W.W. Norton, New York. • Vohra, N.D. (2008). Quantitative techniques in management. Tata McGraw Hill.		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Environmental Economics		
Course Code	24L6.0-ECO-802		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H5		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand how environment affects the economic life and every aspect of the economy. 2. Develop the understanding of public goods, externalities and market failure through various theories of externality. 3. Have basic understanding of the concept & indicators of sustainable development. 4. Have an idea of international and Indian environmental policies and the measures adopted by the Indian government to control pollution across different sectors.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks: 30 End Term Exam Marks: 70			
Part-B Contents of the Course			
Instructions for Paper Setters • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Environment and the Economy: Environment-Economy linkage; Major Environmental Issues; Sector-wise Pollution and Measures to Control Them: (Industrial Pollution; Agricultural Pollution and National Mission for Sustainable Agriculture; Transport Pollution)		15

II	Theories of Externality: Common Property Resources; Public Goods; Market failure and externalities; Pareto Optimality and perfect competition; External effects in production and consumption; Pigouvian taxes and subsidies; Property Rights and Coase Theorem; Tradable Permits	15
III	Sustainable Development: Concept and Indicators: Sustainable Development Goals; SDGs and India; concepts of Green GDP, Green Growth, Green Consumer and Green Business; Smart Cities Mission in India;	15
IV	Environmental Policy: International Environmental Policy; Trans-boundary environmental problems; Environmental Policy in India – Problems of command-and-control regime; Central Pollution Control Board; National Green Tribunal; Pollution Control Measures in India with Special Reference to Industry, Transport and Energy	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15		End Term Examination:70 Theory
➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Bhattacharya, Rabindra Nath (2002). Environmental Economics: An Indian Perspective. Oxford India. • Bromely, Daniel E The Handbook of Environmental Economics • Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017. • Bhattacharya Rabindra Nath (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi. • Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd edition, 2010. • Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001. • Hanley, Nick, Jason F Shogren & Ben White, (2008). Environmental Economics, Macmillan. • Henderson, J. M. & Quandt, R.E. (2003). Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi. • Kaltschmitt, Martin, Streicher, Wolfgang, Wiese, Andreas, Renewable Energy: Technology, Economics and Environment, Springer, Germany, 2007. • Koutsoyiannis, A. (1979). Modern Microeconomics, Macmillan Press, London. • V.S. Ganesamurthy: Environmental Economics in India, New Century Publications, New Delhi, 2009.		

- Robert N. Stavins (ed.), *Economics of the Environment: Selected Readings*, W.W. Norton, 5th edition, 2005.
- Roger Perman, Yue Ma, James McGilvray and Michael Common, *Natural Resource and Environmental Economics*, Pearson Education/Addison Wesley, 3rd edition, 2003.
- Maureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey, *Journal of Economic Literature*, Volume 30:675-740.
- Ministry of Environment& Forest website.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Schools of Economic Thought		
Course Code	24L6.0-ECO-803		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-H6		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the importance of historical development of ideas in Economics. 2. Make the students acquainted with Classical and Neo-classical economic thoughts and synthesis of these thoughts by Marshall. 3. Evaluate the contribution of Keynes in Economics and importance of institutional Economics. 4. Understand the contribution of Indian economics philosophers.		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
• Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Introduction: What is History of Economic Thought; Methodological Approaches; Political Economy and History of Economic		

	Thought Classical School: Smith- Division of Labour (Meaning, Origin, Advantages and Disadvantages); Malthus – The Principle of Population; Ricardo-Theory of Rent, Marx- Theory of Surplus Value; Marxian and Orthodox Economics	15
II	Neo Classical School: Nature and Origin of Neo-Classical Economics; Jevons-Utility theory of value and Exchange; Walras: General Equilibrium model Marshall: Equilibrium price; Importance of Time Elements; Consumer Surplus; concept of Elasticity	15
III	Keynes: Effective Demand; Multiplier; Liquidity Preferences Theory Institutionalism: Meaning and Features of Institutional Economics; Veblen' theory of Leisure class	15
IV	Indian Economic Thought: Kautilya- Main Economic Idea, Naroji- The Drain Theory, Gandi- Decentralization of Small Production Units, Ambedkar- Problem of Rupee; Sen - Capability Functioning Approach to Development	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) ➤ Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • V. Lokanathan (2010), History of Economic Thought, S Chand & Company, New Delhi. • G. Vaggi and P. Groenewegen, (2014), A Concise History of Economic Thought: From Mercantilism to Monetarism, Palgrave Macmillan UK. • Randy R. Grant 2006), The Evolution of Economic Thought, Thomson/South-Western. • Joseph A. Schumpeter (1954), History of Economic Analysis, Oxford University Press. • R.R. Paul (2010), History of Economic Thought, Kalyani Publishers, New Delhi.		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Economics of Health		
Course Code	24L6.6-ECO-804		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the basics of economics of health. 2. Comprehend the various approaches of economic valuation of health and apply them for research in the field of health economics. 3. Elucidate the economic dimensions of health in terms of demand-supply considerations, and health care financing and understand concerned issues and challenges. 4. Analyze various health policy issues from normative perspective and design a health policy that can develop an efficient, equitable, and sustainable health sector.		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Introduction to Economics of Health Economics of health: Origin, Evolution, Scope and Relevance; Meaning, importance, and determinants of health; Relationship between Health and Economic Development; Distinction between health and health care; Curative, Preventive, and Promotive health care; Concepts of Health Outcomes/Status, and Health care infrastructure.		15

II	Economic Valuation of Health Meaning, Importance, Types, and Approaches to modelling in economic evaluation; Cost-benefit analysis; Cost-effectiveness analysis; Cost Utility Analysis; Global Burden of Disease; Disability-Adjusted Life Years; Quality-Adjusted Life Years.	15
III	Economic Dimensions of Health Demand for health: Consumer as health producer, Investment aspects of health, Marginal efficiency of investment (MEI) approach, Grossman model; Demand for health care: Determinants and Measurement; Production, Cost, and Technology of health care; Financing of health and health care: Determinants, Sources (Public, private, out-of-pocket, and public-private partnership), and Challenges; Analysis of Health insurance.	15
IV	Health Policy Issues Role of National Health Mission (NRHM and NUHM) with reference to India; Health accounting in India; National Health Policy of India; Market failure in health care sector and need for government intervention; Efficiency, equity, utilization, and quality of health care services; Analysis of Health-related SDGs; Implications of World Health Organization for Health care sector.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Bhattacharya, J., Hyde, T., & Tu, Peter (2014). Health economics. Palgrave Macmillan. • Dewar, D.M. (2010). Essentials of health economics. Jones and Bartlett Publishers, LLC. • Folland, S., Goodman, A.C., & Stano, M. (2009). The economics of health and health care. New Delhi: Dorling Kindersley India Pvt. Ltd. • Grossman, M. (1972). On the concept of health capital and the demand for health. Journal of Political Economy, 80, 223-255. • Grossman, M. (1992). The demand for health: A theoretical and empirical investigation. National Bureau of Economic Research (Columbia University Press), New York. • Grossman, M. (2017). Determinants of health – An economic perspective. Columbia University Press, New York Chichester, West Sussex. • Henderson, James W. (2005). Health economics and policy. New Delhi: South-Western Cengage Learning India Private Limited. • Joseph, A.E., & Philips, D.R. (1984). Accessibility and utilization: Geographical perspectives on health care delivery. New York: Harper & Row Publishers. • Krabbe, Paul F. M. (2017). The measurement of health and health status: Concepts, methods and applications from a multidisciplinary perspective. London: Academic Press.		

- McGuire, A., Henderson, J., & Mooney, G. (1988). The economics of health care: An introductory text. Routledge.
- Mushkin, Selma J. (1962). Health as an investment. *Journal of Political Economy*, 70, 129-137.
- Musgrove, P. (2004). Health economics in development. The World Bank.
- Newhouse, J. (1977). Medical care expenditure: A cross-national survey. *Journal of Human Resources*, 12, 115-125.
- Palmer, George R., & Ho, Maria Theresa (2008). Health economics: A critical & global analysis. Palgrave Macmillan.
- Prasad, P., & Jesani, A. (2018). Equity and access: Health care studies in India. Oxford University Press.
- Rana, H.P.S. (2009). Health economics. New Delhi: Alpha Publications.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Economics of Education		
Course Code	24L6.0ECO-805		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the concept and importance of education, its relation with economic system and education as an investment. 2. Analyze the cost and benefits of Education. 3. Develop the understanding of education as an infrastructure. 4. Understand the relation between education and economic development and apply their knowledge for improvement in education system.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Uni t	Topics		Contact Hours
I	Economics of Education Meaning and Scope of Economics of Education; Relationship between Education and the Economic System (Capitalist Economic System; Socialist Economic System; Mixed Economic System); Education as an industry; Education as both consumption and Investment; Education as individual, social and national investment; Educational infrastructure and Economic Growth; Human Capital Theory.		15

II	Educational Technology Use of technology in education delivery; Impact of technology on learning outcomes; Use of technologyLife-Long Learning-Importance of continuous education and retraining; Policies to promote life-long learning in the workforce; Role of education in upward social mobility; Intergenerational transmission of educational attainment; Efficiency in Education.	15
III	Costs and Benefits Analysis in Education Cost of Education- Private and Social Cost; Waste and Stagnation; Benefits of Education- Direct and Indirect, Private and Social Benefits; Cost-benefit Model; Education Production Function; Education, productivity and Income; Educational Indicators; Efficiency in Education.	15
IV	Education and Economic Development Interrelationship between Education and Economic development; Resource constraints and Resource Mobilization; Education and economic development in urban and rural areas; Education externalities; Linkages between education and health outcomes; Suggestions for improvement in education system.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Ainyemi, Samuel. (2013). The Economics of Education, Strategic Book Publishing and Rights Co. - Blaug, M. (Ed). (1968). Introduction to Economics of Education. Penguin Books, England. - Brewer, D.J. & Patrick, J.M. (2009) Economics of Education, Elsevier publication - Dustmann, C.,Fitzenberger, B.&Machin,S. (2008). The Economics of Education and Training. Springer - McMohan, W.W. (2000). Education and Development; Measuring the Social Benefit. Oxford University Press - Psacharopoulos, g. (2014). Economics of Education: research and studies. Pergamon Press, Elsevier Science Ltd.		

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Application Software(s) for Economics		
Course Code	24L6.0-ECO-806		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PC-H2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	Basic Statistics, Random variable, Probability distributions		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the use various open-source statistical software i.e. Excel, PSPP, SPSS, JASP, and Gretl to analyses economic data. 2. Prepare and present the summary of economic data by using these statistical software. 3. Calculate and interpret parametric and non-parametric tests to test the relevant hypotheses. 4. Estimate the various economic functions by regression analysis and interpret the coefficients.		
	5*. Learn Analyzing Economic Data		
Credits	Theory	Practical	Total
	0	4	04
Contact Hours	0	8	08
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks: 20+10*			
End Term Exam Marks: 50+20*			
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Five Data Analysis Problems will be given in all by the examiner on the spot in the lab and the students will be required to analyze four of them. 2. At least one problem from each unit shall be given. 3. Each problem shall be of 10 marks.			
Unit	Topics		Contact Hours
I	Introduction to Open-Source Statistical Software: Excel, PSPP, SPSS, JASP, Gretl; Preparing the data File; Importing and Exporting Data; Visual Description: Histogram, Stem-and-Leaf Display, Dotplot, Bar Chart, Line Chart, Pie Chart, Scatter Diagram, Cross-Tabulation, Cross-Tabulation with Cell Summary Information; Descriptive Statistics: Central Tendency, Dispersion, Box Plot, Kurtosis, and Skewness; Applications, precautions and interpretation of the Various Measures of Central Tendency and Dispersion in economics; Relationships among Measures of Central Tendency and Skewness; Standardizing the Data.		30

II	Parametric Tests: Hypothesis testing: the Basic Procedure; Large Sample Test, Small Sample Test – One Sample t Test, Independent Samples t Test, Paired Sample t Test, Comparing more than two samples - One-Way Analysis of Variance, Randomized Block Analysis of Variance, Two-Way Analysis of Variance; Chi-Squared Test for Goodness of Fit, Chi-Squared Test of Independence.	30
III	Non-Parametric Tests: Wilcoxon Signed Rank Test for One Sample, Wilcoxon Signed Rank Test for Comparing Paired Samples, Wilcoxon Rank Sum (Mann-Whitney U) Test for Two Independent Samples, Kruskal-Wallis Test for Comparing More Than Two Independent Samples, Friedman Test for the Randomized Block Design, Runs Test for Randomness, Kolmogorov-Smirnov Test for Normality, Measures of Association– Kendall’s Test, Spearman Rho.	30
IV	Regression Analysis: Nature of Regression Analysis; Simple and Multiple Regression Analysis (Estimation by OLS); Interpretations of Regression Coefficients; Partial and Overall Significance Regression Coefficients (t test, F test, P values, R-square); Assumption Check of Regression Analysis: Residual Plots (Residual vs. Dependent, Residual vs. Covariates, Residual vs. Predicted, Residual Histogram, and Q-Q Plot Standardized Residuals); Durbin-Watson Statistics, Collinearity Diagnostics (Eigen value, Condition Index, Tolerance Factor, and VIF).	30
Suggested Evaluation Methods		
Internal Assessment Practicum: 30 Class Participation: 5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15		Practicum: 70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: - Norris, G., Qureshi, F., Howitt, D., & Cramer, D. (2014). Introduction to statistics with SPSS for social science. Routledge - Spiegel, Murry R (1992), Theory and problems of Statistics, Schaum’s outline series, McGraw Hill. - Ronald M. Weiers, J. Brian Gray and Lawrence H. Peters (2008). Introduction to Business Statistics, South-Western, Cengage Learning. - Scott Stevens (2013), Introduction to Statistics Think & Do, The Worldwide Centre for Mathematics. - Damodar N. Gujarati (2015), Basic Econometrics, McGraw Hill Education. - JASP, (2020), Statistical Analysis in JASP: A Guide for students, by Mark A Goss-Sampson. - Free Software Foundation, (2023), PSPP Users’ Guide, GNU PSPP Statistical Analysis Software.		

* Applicable for courses having practical component.