Department of Economics

Annamalai University
Department of Economics

M.A.ECONOMICS -FIVE YEAR HANDBOOK

(2021-2022 ONWARDS)

WITH COURAGE AND FAITH

As approved by Syndicate, Academic council, Faculty and Board of Studies in Economics (22.02.2021) of Annamalai University

ANNAMALAI UNIVERSITY

DEPARTMENT OF ECONOMICS

REGULATIONS FOR THE M.A. ECONOMICS FIVE-YEAR POST GRADUATE PROGRAMME UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

These Regulations are common to all the students admitted to the M.A. ECONOMICS Five Year Master Programmes in the Faculties of Arts from the academic year 2021-2022 onwards.

1. Definitions and Nomenclature

1.1 University refers to Annamalai University.

1.2 Department means any of the academic departments and academic centres at the University.

1.3 Discipline refers to the specialization or branch of knowledge taught and researched in higher education. For example, Botany is a discipline in the Natural Sciences, while Economics is a discipline in Social Sciences.

1.4 Programme encompasses the combination of courses and / or requirements leading to a Degree. For example, M.A., M.Sc.

1.5 Course is an individual subject in a programme. Each course may consist of Lectures/Tutorials/Laboratory work/Seminar/Project work/Experiential learning/ Report writing/viva-voce etc. Each course has a course title and is identified by a course code.

1.6 Curriculum encompasses the totality of student experiences that occur during the educational process.

1.7 Syllabus is an academic document that contains the complete information about an academic programme and defines responsibilities and outcomes. This includes course information, course objectives, policies, evaluation, grading, learning resources and course calendar.

1.8 Academic Year refers to the annual period of sessions of the University that comprises two consecutive semesters.

1.9 Semester is a half-year term that lasts for a minimum of 90 working days. Each academic year is divided into two semesters.

1.10 Choice Based Credit System A mode of learning in higher education that enables a student to have the freedom to select his/her own choice of elective courses across various disciplines for completing the Degree programme.

1.11 Core Course is mandatory and an essential requirement to qualify for the Degree.

1.12 Elective Course is a course that a student can choose from a range of alternatives.

1.13 Value-added Courses are optional courses that complement the students' knowledge and skills and enhance their employability.

1.14 Experiential Learning is the process of learning through experience. It is specifically defined as "learning through reflection on doing".

Extension activities are the activities that provide a link between the University and the community such as lab-to-land, literacy, population education, health awareness and environmental awareness programmes. These are integrated

within the curriculum with a view to sensitise the students about Institutional Social Responsibility (ISR).

1.15 Credit refers to the quantum of course work in terms of number of class hours in a semester required for a programme. The credit value reflects the content and duration of a particular course in the curriculum.

1.16 Credit Hour refers to the number of class hours per week required for a course in a semester. It is used to calculate the credit value of a particular course.

1.17 Programme Outcomes (POs) are statements that describe crucial and essential knowledge, skills, and attitudes that students are expected to achieve and can reliably manifest at the end of a programme.

1.18 Programme Specific Outcomes (PSOs) are statements that list what the graduate of a specific programme should be able to do at the end of the programme.

1.19 Learning Objectives also known as Course Objectives are statements that define the expected goal of a course in terms of demonstrable skills or knowledge that will be acquired by a student as a result of instruction.

1.20 Course Outcomes (COs) are statements that describe what students should be able to achieve/demonstrate at the end of a course. They allow follow-up and measurement of learning objectives.

1.21 Grade Point Average (GPA) is the average of the grades acquired in various courses that a student has taken ina semester. The formula for computing GPA is given in Section11.3

1.22 Cumulative Grade Point Average (CGPA) is a measure of overall cumulative performance of a student over all the semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters.

1.23 Letter Grade i**s** an index of the performance of a student in a particular course. Grades are denoted by the letters S, A, B, C, D, E, and RA.

2. Programmes Offered and Eligibility Criteria

The M.A. Economics Five Year Programme offered by the University and the eligibility criteria are detailed below.

Faculty of Arts	
Programme	**Eligibility**
M.A. Economics	A pass in Higher Secondary Education (10+2 level) OR Equivalent thereto.

2.1 In the case of SC/ST and Differently-abled candidates, a pass is the minimum qualification for all the above Programmes.

3. Reservation Policy

Admission to the various programmes will be strictly based on the reservation policy of the Government of Tamil Nadu.

4. Programme Duration

4.1 The Five Year Master's Programmes consist of five academic years and ten semesters.

4.2 Each academic year is divided into two semesters, the first being from July to November and the second from December to April.

4.3 Each semester will have 90 working days (18 weeks).

Programme Structure

4.4 The Five Year Integrated Programme consists of Language Courses, Core Courses, Allied Courses, Elective Courses, Soft Skills, Experiential Learning and Project. Students shall also participate in Extension Activities as part of their curriculum.

5.2Language Courses

5.2.1 Each student shall take two languages of four courses each, one in each semester for the first two years of the programme.

5.2.2 Language-I shall be Tamil or another language such as Hindi or French.

5.2.3 Language-II shall be English.

5.3 Core courses

5.3.1 These are a set of compulsory courses essential for each programme.

5.3.2 The core courses include both Theory (Core Theory) and Practical (Core Practical) courses.

5.4Allied Courses

5.4.1 Each student shall take courses in two disciplines allied to the main subject of the programme in the first four semesters.

5.4.2 In Arts, Indian Languages, and Education, there will be three Theory Courses each for Allied-I and Allied-II.

5.4.3 In Science and Marine Sciences, each allied discipline shall have two Theory courses and one Practical course each for Allied-I and Allied-II.

5.5 Elective Courses

5.5.1 Departmental Electives (DEs) are the Electives that students can choose from a range of Electives offered within the Parent Department offering the Programme.

5.5.2 Interdepartmental Electives (IDEs) are Electives that students can choose from amongst the courses offered by other departments of the same faculty as well as by the departments of other faculties.

5.5.3 Students shall take a combination of both DEs and IDEs.

5.6 Soft Skills

5.6.1 Soft skills are intended to enable students to acquire attributes that enhance their performance and achieve their goals with complementing hard skills.

5.6.2 Soft skills include communication skills, computer skills, social skills, leadership traits, team work, and development of emotional intelligence quotients, among others.

5.6.3 Each student shall choose four courses on soft skills from the First to the Sixth Semester from a range of courses offered.

5.7 Value Education

All students shall take a course on Value Education that includes human values, sustainable development, gender equity, ethics and human rights.

5.8 Experiential Learning

5.8.1 Experiential learning provides opportunities to students to connect principles of the discipline with real-life situations.

5.8.2 In-plant training/field trips/internships/industrial visits (as applicable) fall under this category.

5.9 Extension Activities

5.9.1 It is mandatory for every student to participate in extension activities.

5.9.2 All the students shall enrol under NSS / NCC /YRC /RRC or any other Service Organisation in the University.

5.9.3 Students shall put in a minimum attendance of 40 hour in a year duly certified by the Programme Co-ordinator.

5.9.4 Extension activities shall be conducted outside the class hours.

5.10 Project

5.10.1 Each student shall undertake a Project in the final semester.

5.10.2 The Head of the Department shall assign a Project Supervisor to all the students.

5.10.3 The Project Supervisor shall assign a topic for project and monitor the progress of the student periodically.

5.10.4 Students who wish to undertake project work in recognised institutions/industry shall obtain prior permission from the University. The Project Supervisor will be from the host institute, while the Co-Supervisor shall be a faculty in the parent department.

5.11 Value added Courses (VACs)

5.11.1 Students may also opt to take Value added Courses beyond the minimum credits required for award of the Degree. VACs are outside the normal credit paradigm.

5.11.2 VACs enhance the students' employability and life skills. VACs are listed in the University website and in the regulations on Interdepartmental Electives and VACs.

5.11.3 Each VAC carries 2 credits with 30 hours of instruction, of which 60% (18 hours) shall be Theory and 40% (12 hours) Practical.

5.11.4 Classes for VACs are conducted beyond the regular class hours and preferably in the VIII and IX Semesters.

5.12 Online Courses

5.12.1 The Heads of Departments shall facilitate enrolment of students in Massive Open Online Courses (MOOCs) platform such as SWAYAM to provide academic flexibility and enhance the academic career of students.

5.11.2 Students who obtains three credits through SWAYAM, he/she is exempted from one IDE.

5.12 Credit Distribution

The credit distribution is detailed in the Table.

	Credits
Semester I to VI	
Language-I (Tamil or any other Language)	12
Language-II (English)	12
Core Courses	60-65
Allied-I	10
Allied-II	10
Electives	15
Soft skills	12
Environmental studies (UGC mandated)	2
Value Education	2
Experiential learning	4
Extension activities	1
Total Credits (Semester I to VI)	**140-145**
Semester VII to X	
Core Courses	65-75
Electives	15
Project	8
Total Credits (Semester VII to X)	**90-95**
Total Credits Semester I to X (Minimum requirement for the award of Degree)	***230-240**

**Each Department shall fix the minimum required credits for award of the Degree within the prescribed range of 230-240 credits.*

5.13 Credit Assignment

Each course is assigned credits and credit hours on the following basis:

1 Credit is defined as

1 Lecture period of one hour per week over a semester

1 Tutorial period of one hour per week over a semester

1 Practical / Project period of two or three hours (depending on the discipline) per week over a semester.

6 Attendance

6.1 Each faculty handling a course shall be responsible for the maintenance of *Attendance and Assessment Record*for students who have registered for the course.

6.2 The Record shall contain details of the students' attendance, marks obtained in the Continuous Internal Assessment (CIA) Tests, Assignments and Seminars. In addition, the Record shall also contain the organisation of lesson plan of the Course Instructor.

6.3 The record shall be submitted to the Head of the Department once a month for monitoring the attendance and syllabus coverage.

6.4 At the end of the semester, the record shall be duly signed by the Course Instructor and the Head of the Department and placed in safe custody for any future verification.

6.5 The Course Instructor shall intimate to the Head of the Department at least seven calendar days before the last instruction day in the semester about the attendance particulars of all students.

6.6 Each student should earn minimum of 75% attendance in the courses of the particular semester failing which he or she will not be permitted to write the End-Semester Examination. The student has to redo the semester in the next year.

6.7 Relaxation of attendance requirement up to 10% may be granted for valid reasons such as illness.

7. Mentor-Mentee System

7.1 To help the students in planning their course of study and for general advice on the academic programme, the Head of the Department will attach certain number of students to a member of the faculty who shall function as a Mentor throughout their period of study.

7.2 The Mentors will guide their mentees with the curriculum, monitor their progress, and provide intellectual and emotional support.

7.3 The Mentors shall also help their mentees to choose appropriate electives and value-added courses, apply for scholarships, undertake projects, prepare for competitive examinations such as NET/SET, GATE etc., attend campus interviews and participate in extracurricular activities.

8. Examinations

8.1 The examination system of the University is designed to systematically test the student's progress in class, laboratory and field work through Continuous Internal Assessment (CIA) Tests and End-Semester Examination (ESE).

8.2 There will be two CIA Tests and one ESE in each semester.

8.3 The Question Papers will be framed to test different levels of learning based on Bloom's taxonomy viz. Knowledge, Comprehension, Application, Analysis, Synthesis and Evaluation/Creativity.

8.4 Continuous Internal Assessment Tests

8.4.1 The CIA Tests shall be a combination of a variety of tools such as class tests, assignments, seminars, and viva-voce that would be suitable to the course. This requires an element of openness.

8.4.2 The students are to be informed in advance about the assessment procedures.

8.4.3 The pattern of question paper will be decided by the respective faculty.

8.4.4 CIA Test-I will cover the syllabus of the first two units while CIA Test-II will cover the last three units.

8.4.5 CIA Tests will be for one to three hours duration depending on the quantum of syllabus.

8.4.6 A student cannot repeat the CIA Test-I and CIA Test-II. However, if for any valid reason, the student is unable to attend the test, the prerogative of arranging a special test lies with the teacher in consultation with the Head of the Department.

8.5 End Semester Examinations (ESEs)

8.5.1 The ESEs for the odd semester will be conducted in November and for the even semester in May.

8.5.2 A candidate who does not pass the examination in any course(s) will be permitted to reappear in such course(s) that will be held in November and May in the subsequent semester/year.

8.5.3 The ESE will be of three hours duration and will cover the entire syllabus of the course.

9 Evaluation

9.1 Marks Distribution

9.1.1. Each course, Theory and Practical as well as Project/Internship/Field work/In-plant training shall be evaluated for a maximum of 100 marks.

9.1.2 For the theory courses, CIA Tests will carry 25% and the ESE, 75% of the marks.

9.1.3 For the Practical courses, the CIA Tests will constitute 40% and the ESE 60% of the marks.

9.2. Assessment of CIA Tests

9.2.1 For the CIA Tests, the assessment will be done by the Course Instructor

9.2.2 For the Theory Courses, the break-up of marks shall be as follows:

	Marks
Test-I&Test-II	15
Seminar	5
Assignment	5
Total	25

9.2.3For the Practical Courses (wherever applicable), the break-up of marksshall be as follows:

	Marks
Test-I	15
Test-II	15
Viva-voce and Record	10
Total	40

9.3 Assessment of End-Semester Examinations

9.3.1DoubleEvaluation for the ESE is done by the University Teachers.

9.3.2In case of a discrepancy of more than 10% between the two examiners in awarding marks, third evaluation will be resorted to.

9.4 Assessment of Project/Dissertation

9.4.1 The Project Report/Dissertation shall be submitted as per the guidelines laid down by the University.

9.4.2 The Project Work/Dissertation shall carry a maximum of 100 marks.

9.4.3 CIA for Project will consist of Review of literature survey, experimentation/field work, attendance etc.

9.4.4 The Project Report evaluation and viva-voce will be conducted by a committee constituted by the Head of the Department.

9.4.5 The Project Evaluation Committee will comprise of the Head of the Department, Project Supervisor, and a senior faculty.

9.4.7 The marks shall be distributed as follows:

Continuous Internal Assessment (25 Marks)		End Semester Examination (75 Marks)	
Review-I 10	Review-II: 15	Project / Dissertation Evaluation	Viva-voce
		50	25

9.5 Assessment of Value-added Courses

9.5.1 VAC shall be evaluated completely by Internal Examiners.

9.5.2 Two CIA Tests shall be conducted during the semester by the Department(s)offering VAC.

9.5.3A committee consisting of the Head of the Department, faculty handling the course and a senior faculty member shall monitor the evaluation process.

9.5.4 The grades obtained in VACs will not be included for calculating the GPA.

9.6 Passing Minimum

9.6.1 A candidate is declared to have passed in each course if he/she secures not less than 50% marks in the ESE and not less than 50% marks in aggregate taking CIA and ESE marks together.

9.6.4 A candidate who has not secured a minimum of 50% of marks in a course (CIA + ESE) shall reappear for the course in the next semester/year.

10. Conferment of the Master's Degree

A candidate who has secured a minimum of 50% marks in all courses prescribed in the programme and earned the minimum required credits shall be considered to have passed the Master's Programme.

11. Marks and Grading

11.1 The performance of students in each course is evaluated in terms of Grade Point (GP).

11.2 The sum total performance in each semester is rated by Grade Point Average (GPA) while Cumulative Grade Point Average (CGPA) indicates the Average Grade Point obtained for all the courses completed from the first semester to the currentsemester.

11.3 The GPA is calculated by the formula

$$GPA = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$$

where, $\boldsymbol{C_i}$ is the Credit earned for the Course $\boldsymbol{i}$ in any semester;
$\boldsymbol{G_i}$is the Grade Point obtained by the student for the Course $\boldsymbol{i}$and
$\boldsymbol{n}$is the number of Courses passed in that semester.

11.4 CGP Ais the Weighted Average Grade Point of all the Courses passed starting from the first semester to the current semester.

$$CGPA = \frac{\sum_{i=1}^{m}\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{m}\sum_{i=1}^{n} C_i}$$

Where, C_i is the Credit earned for the Course i in any semester
$G_i$is the Grade Point obtained by the student for the Course $i$and
$n$is the number of Courses passed in that semester.
$m$is the number of semesters.

11.5 Evaluation of the performance of the student will be rated as shown in the Table.

Letter Grade	Grade Points	Marks %
S	10	90 and above
A	9	80-89
B	8	70-79
C	7	60-69
D	6	55-59
E	5	50-54
RA	0	Less than 50
W	0	Withdrawn from the examination

11.6 Classification of Results. The successful candidates are classified as follows:

11.6.1For **First Class with Distinction:** Candidates who have passed all the courses prescribed in the Programme *in the first attempt* with a CGPA of 8.25 or above within the programme duration. Candidates who have withdrawn from the End Semester Examinations are still eligible for First Class with Distinction (*See Section 12 for details*).

11.6.2For **First Class:** Candidates who have passed all the courses with a CGPA of 6.5 or above.

11.6.3 For **Second Class:** Candidates who have passed all the courses with a CGPA between 5.0 to less than 6.5.

11.6.4 Candidates who obtain highest marks in all examinations at the first appearance alone will be considered for University Rank.

11.7 Course-Wise Letter Grades

11.7.1The percentage of marks obtained by a candidate in a course will be indicated in a letter grade.

11.7.2 A candidate is considered to have completed a course successfully and earned the credits if he/she secures an overall letter grade other than RA.

11.7.3A course successfully completed cannot be repeated for the purpose of improving the Grade Point.

11.7.4 A letter grade RA indicates that the candidate shall reappear for that course. The RA Grade once awarded stays in the grade card of the student and is not deleted even when he/she completes the course successfully later. The grade acquired later by the student will be indicated in the grade sheet of the Odd/Even semester in which the student has appeared for clearance of the arrears.

11.7.5 If a student secures RA grade in the Project Work/Field Work/Practical Work/Dissertation, he/she shall improve it and resubmit if it involves only rewriting/ incorporating the clarifications suggested by the evaluators or he/she can re-register and carry out the same in the subsequent semesters for evaluation.

12. Provision for Withdrawal from the End Semester Examination

12.1 The letter grade W indicates that a candidate has withdrawn from the examination.

12.2 A candidate is permitted to withdraw from appearing in the ESE for one course or courses in **ANY ONE** of the semesters **ONLY** for exigencies deemed valid by the University authorities.

12.3 Permission for withdrawal from the examination shall be granted only once during the entire duration of the programme.

12.3 Application for withdrawal shall be considered **only** if the student has registered for the course(s), fulfilled the requirements for attendance and CIA tests.

12.4 The application for withdrawal shall be made ten days prior to the commencement of the examination and duly approved by the Controller of Examinations. Notwithstanding the mandatory prerequisite of ten days' notice, due consideration will be given under extraordinary circumstances.

12.5 Withdrawal is **not** granted for arrear examinations of courses in previous semesters and for the final semester examinations.

12.6 Candidates who have been granted permission to withdraw from the examination shall reappear for the course(s) when the course(s) are offered next.

12.7 Withdrawal shall not be taken into account as an appearance for the examination when considering the eligibility of the student to qualify for First Class with Distinction.

13. Academic misconduct

Any action that results in an unfair academic advantage/interference with the functioning of the academic community constitutes academic misconduct. This includes but is not limited to cheating, plagiarism, altering academic documents, fabrication/falsification of data, submitting the work of another student, interfering with other students' work, removing/defacing department library or computer resources, stealing other students' notes/assignments, electronically interfering with other students'/University's intellectual property. Since many of these acts may be committed unintentionally due to lack of awareness, students shall be sensitised on issues of academic integrity and ethics.

14. Transitory Regulations

Wherever there has been a change of syllabi, examinations based on the existing syllabus will be conducted for two consecutive years after implementation of the new syllabus in order to enable the students to clear the arrears. Beyond that, the students

will have to take up their examinations in equivalent subjects, as per the new syllabus, on the recommendation of the Head of the Department concerned.

15. *Notwithstanding anything contained in the above pages as Rules and Regulations Governing the Five Year Master Programmes at Annamalai University, the Syndicate is vested with the powers to revise them from time to time on the recommendations of the Academic Council.*

Annamalai University

Department of Economics

M.A. Economics (Five Year Integrated) Programme

Programme Code: AECO51

Programme Structure

(For students admitted from the academic year 2021-2022)

Course Code	Course Title		Hours/ Week			Marks		
			L	P	C	CIA	ESE	Total
Semester-I								
19ITAMC11	**Language-I:**	**Course 1**	**3**		**3**	**25**	**75**	**100**
19IENGC12	**Language-II:**	**Course 1**	**3**		**3**	**25**	**75**	**100**
19IECOC13	Core1:	Microeconomics	4		4	25	75	100
19IECOC14	Core2:	Basic Statistics	5		5	25	75	100
19IENSC15	Mandatory	Environmental Studies	2		2	25	75	100
19IECOA16	Allied- 1	Basic Accountancy	4		4	25	75	100
		Total Credits			**21**			
Semester–II								
19ITAMC21	**Language-I:**	**Course 2**	**3**		**3**	**25**	**75**	**100**
19IENGC22	**Language-II:**	**Course 2**	**3**		**3**	**25**	**75**	**100**
19IECOC23	Core3:	Macroeconomics	4		4	25	75	100
19IECOC24	Core4:	Economic Statistics	5		5	25	75	100
19IECOC25	Core5:	Economic History of India (1857-1947)	4		4	25	75	100
19IECOA26	Allied-2	Principles of Sociology – Course 1	3		3	25	75	100
19IECOA27	Allied-3	Marketing Principles and Practice	4		4	25	75	100
		Total Credits			**26**			
Semester–III								
19ITAMC31	**Language-I:**	**Course 3**	**3**		**3**	**25**	**75**	**100**
19IENGC32	**Language-II:**	**Course 3**	**3**		**3**	**25**	**75**	**100**
19IECOC33	Core6:	Mathematical Methods	5		5	25	75	100
19IECOC34	Core7:	Gender Economics-1	4		4	25	75	100
19ICIAA35	Allied-4	Computer and its Applications	3		3	25	75	100
19IECOE36	D.Elective1:	Economics of Agriculture (or)	4		4	25	75	100
19IECOE37	D.Elective2:	Entrepreneurial Development						
19ISSC300	Soft Skills-1:	Communication Skills	3		3	25	75	100

	Total Credits				**25**			
Semester–IV								
19ITAMC41	**Language-I:**	**Course 4**	**3**		**3**	**25**	**75**	**100**
19IENGC42	**Language-II:**	**Course 4**	**3**		**3**	**25**	**75**	**100**
19IECOC43	Core8:	Money and Banking	4		4	25	75	100
19IECOC44	Core9:	Development Economics	4		4	25	75	100
19IECOA45	Allied -5	Principles of Public Administration	3		3	25	75	100
19IECOA46	Allied-6	Principles of Population Sciences	3		3	25	75	100
19IECOE47	D.Elective3:	Resource Economics (or)	3		3	25	75	100
19IECOE48	D.Elective4:	Tamil Nadu Economy						
19ISSC400	Soft Skills-2:	Personality Development	3		3	25	75	100
		Total Credits			**26**			
Semester–V								
19IECOC51	Core10:	Managerial Economics	4		4	25	75	100
19IECOC52	Core11:	Basic Econometrics	5		5	25	75	100
19IECOC53	Core12:	Rural Development	4		4	25	75	100
19IECOE54	D.Elective5:	Industrial Economics (or)	3		4	25	75	100
19IECOE55	D.Elective6:	Energy Economics						
19ISSC500	Soft Skills-3:	Time and Stress Management	3		3	25	75	100
Total Credits			**20**					
Semester-VI								
19IECOC61	Core 13:	International Economics	5		5	25	75	100
19IECOC62	Core14:	Public Economics-1	4		4	25	75	100
19IECOC63	Core15:	History of Economic Thought	4		4	25	75	100
19IECOE64	D.Elective7:	Economics of Social Issues (or)	3		4	25	75	100
19IECOE65	D.Elective8:	Economics of Insurance						
19IVECO66	Value Education		2		2	25	75	100

19ISSC600	Soft Skills-4:	Employability Skills	3		3	25	75	100
		Total Credits			**22**			
	Total Credits I to VI Semesters				**140**			
Semester-VII								
19IECOC71	Core16:	Advanced Microeconomics	5		5	25	75	100
19IECOC72	Core17:	Modern Macroeconomics	5		5	25	75	100
19IECOC73	Core18:	Public Economics-2	5		5	25	75	100
19IECOC74	Core19:	Research Methodology	4		4	25	75	100
19IECOE75	D. Elective 9:	Urban and Regional Economics (or)	3		3	25	75	100
19IECOE76	D. Elective 10:	Economics of Climate Change						
		Total Credits			**22**			
Semester- VIII								
19IECOC81	Core 20:	Mathematics for Economics	5		5	25	75	100
19IECOC82	Core21:	Monetary Economics	5		5	25	75	100
19IECOC83	Core22:	Environmental Economics	5		5	25	75	100
19IECOE84	D .Elective 11:	Information Economics (or)	3		3	25	75	100
19IECOE85	D. Elective 12:	Labor Economics						
19IECOX85	Elective1:	Inter Departmental Elective	3		3	25	75	100
19IEVAC86	Value Added Course							
	Total Credits				**21**			
Semester- IX								
19IECOC91	Core23:	International Trade and Finance	5		5	25	75	100
19IECOC92	Core24:	Econometric Methods	5		5	25	75	100
19IECOC93	Core25:	Computer Applications in Economics	-	5	5	25	75	100
19IECOE94	D.Elective13:	Globalisation and Development (or)	3		3	25	75	100
19IECOE95	D. Elective 14:	Economics of Education						

19IECOX95	Elective2:	Inter Departmental Elective	3		3	25	75	100
		Total Credits			**21**			
Semester- X								
19IECOC101	Core26:	Indian Economic Development and Policy	5		5	25	75	100
19IECOC102	Core27:	Health Economics	5		5	25	75	100
19IECOC103	Core28:	Gender Economics-2	5		5	25	75	100
19IECOC104	Core29:	Economics of Infrastructure	5		5			
19IECOV105	Project Work		8		8	25	75	100
19IPSCI106		Constitution of India	-		-	-	-	-
	Total Credits				**28**			
	Total Credits VII to X Sem.				**93**			
	Total Credits I to X Semester				**232**			
Extension Activities		**1**	**-**					

L-Lectures; P-Practical; C-Credits; CIA- Continuous Internal Assessment; ESE- End-Semester Examination

Note:

1 **Students shall take both Department Electives (DEs) and Interdepartmental Electives (IDEs) from a range of choice available.**

2 **Students may opt for any Value-added Course listed in the University website.**

3 **"Constitution of India" is a Mandatory Course with two credits. The credits are not included in the OGPA.**

WITH COURAGE AND FAITH

Ancillary Courses Offered to Other Departments

S. No.	Course Code	Course Title	Hours/ week		C	Marks		
			L	P		CIA	ESE	Total
1.	19IECOA16	Basic Accountancy Course:1	4		4	25	75	100
2.	19IECOA26	Principles of Sociology Course: 2	3		3	25	75	100
3.	19IECOA27	Marketing Principles and Practice Course: 3	4		4	25	75	100
4.	19ICIAA35	Computer and its Applications Course: 4	3		3	25	75	100
5.	19IECOA45	Principles of Public Administration Course: 5	3		3	25	75	100
6.	19IECOA46	Principles of Population Sciences Course:6	3		3	25	75	100

Department Elective Courses

S. No.	Course Code	Course Title	Hours/ week		C	Marks		
			L	P		CIA	ESE	Total
1.	19IECOE36	Economics of Agriculture / (or)	3		3	25	75	100
2.	19IECOE37	Entrepreneurial Development						
3.	19IECOE47	Resource Economics (or)	3		3	25	75	100
4.	19IECOE48	Tamil Nadu Economy						
5.	19IECOE54	Industrial Economics (or)	3	-	3	25	75	100
6.	19IECOE55	Energy Economics						
7.	19IECOE64	Economics of Social Issue (or)	3	-	3	25	75	100
8.	19IECOE65	Economics of Insurance						
9.	19IECOE75	Urban and Regional Economics (or)	3	-	3	25	75	100
10.	19IECOE76	Economics of Climate Change						

11.	19IECOE84	Information Economics (or)	3	-	3	25	75	100
12.	19IECOE85	Labour Economics						
13.	19IECOE94	Globalisation and Development (or)	3	-	3	25	75	100
14.	19IECOE95	Economics of Education						

Inter Departmental Elective (IDE)

S.No	Course Code	Course Title	Hours/week			Marks		
			L	**P**	**C**	**CIA**	**ESE**	**Total**
1	19AECOX01	Economics in Everyday Life	3	0	3	25	75	100
2	19AECOX02	Economics of Natural Disasters	3	0	3	25	75	100

Value Added Programme

Course Code	**Course Title**	**Hours/week**		**C**	**Marks**		
		L	**P**		**CIA**	**ESE**	**Total**
19IEVAC86	FMCG Pricing Strategies	3	0	3	25	75	100
19IEVAC95	Pricing Strategies for Information Goods	3	0	3	25	75	100

Mandatory Course

Course Code	**Course Title**	**Hours/week**		**C**	**Marks**		
		L	**P**		**CIA**	**ESE**	**Total**
19IPSCI106	Constitution of India	2	0		-	-	

WITH COURAGE AND FAITH

PROGRAMME OUTCOMES FOR ARTS FACULTY

PO1: Critical thinking

PO2: Cultivating Cognitive skills required in the job market

PO3: Effective Communication

PO4: Familiarity with ICT to thrive in the information age

PO5: Cultivating aptitude for research

PO6: Respect for alternate view-points including those conflicting with one's own perspectives

PO7: Ability to work individually and as members in a team

PO8: Upholding ethical standards

PO9: Acting local while thinking global

PO10: Commitment to gender equality

PO11: Commitment to Sustainable development

PO12: Lifelong learning

PROGRAMME SPECIFIC OUTCOMES

(M.A.Economics Five Year Programme)

At the completion of the programme the students will be able to

PS01: Appreciate the importance of other social sciences for economic inquiry

PS02: Communicate effectively in English as a second language

PS03: Apply economic reasoning to study social life

PS04: Interpret data about the economy

PS05: Understand the role of theories in economic inquiry

PS06: Evaluate economic policies from different perspectives

PS07: Carry out a research project and communicate the insights effectively

அண்ணாமலைப்பல்கலைக்கழகம்

தமிழியல்துறை

முதலாம்ஆண்டு – முதற்பருவம்

Part - I Language –தமிழ்ITAC11:நவீனஇலக்கியமும்நாடகமும்

மதிப்பெண் : 75
கிரடிட் : 45

நோக்கம்

தமிழில்தோன்றியநவீனஇலக்கியங்கள்குறித்துஅறிமுகம்செய்தல். நவீனஇலக்கியங்கள்குறித்தவரையறை - தோற்றப்பின்னணி - நவீனஇலக்கியவகைகள் - உரைநடை - புதுக்கவிதை - செய்தித்தாள் - நாடகம்போன்றவற்றின்வரலாற்றைவிளக்குதல்.

அலகு - 1 சிறுகதை

1.புதுமைப்பித்தன் - பால்வண்ணம்பிள்ளை
2.கி.ராஜநாராயணன் - கதவு
3.கு.அழகிரிசாமி - ராஜாவந்திருக்கிறார்
4.கண்மணிகுணசேகரன் - உயிர்த்தண்ணீர்
5.மேலாண்மைபொன்னுச்சாமி - தேசியமயில்

அலகு– 2புதுக்கவிதை

1.பாரதியார் - புதுமைப்பெண்
2.பாரதிதாசன் - தமிழ்உணவு
3.உவமைக்கவிஞர்சுரதா - தமிழில்பெயரிடுங்கள் (துறைமுகம்)
4.தேவதேவன் - புகட்டல் (அமுதம்மாத்திரமேவெளிப்பட்டது)
5. அறிவுமதி - நட்புக்காலம் (முதல் 20- கவிதைகள்மட்டும்)
6.மித்ரா - ஹைகூஎன்தோழி (முதல் 20- கவிதைகள்மட்டும்)

அலகு - 3 புதினம்

1..டி.செல்வராசு - பொய்க்கால்குதிரை

அலகு - 4 நாடகம்

1. இன்குலாப் - ஒளவை

அலகு - 5இக்காலஇலக்கியவரலாறு

ஐரோப்பியர்வருகை - நவீனஇலக்கியங்கள்அறிமுகம் - புதுக்கவிதை - சிறுகதை - புதினம்ஆகியவற்றின்தோற்றமும்வளர்ச்சியும் - இலக்கியமுன்னோடிகள் - செய்தித்தாள்வருகை - நாடகம் - தோற்றமும்வளர்ச்சியும்.

அலகு - 6

(மாணவர்கள்அறிந்துகொள்வதற்குமட்டும் – தேர்வுக்கானபகுதிஅல்ல)

இலக்கியங்களையும்அவைதொடர்பானஇலக்கியவரலாற்றையும்இணைத்துப்படித்தல்.நவீனஇலக்கியங்கள்சமூகத்தைப்படம்பிடித்துக்காட்டுவதைசமூகக்கண்ணோட்டத்தோடுஅறிதல்.
நவீனஇலக்கியவடிவங்களின்வளர்ச்சிவாழ்வியலுக்குப்பயன்படும்முறையைவிளக்குதல்.

பாடநூல்

1. புதுமைப்பித்தன் - பால்வண்ணம்பிள்ளை
நியூசெஞ்சரிபுக்ஹவுஸ், சென்னை

ஐந்தாம்பதிப்பு - 2015

2. கி.ராஜநாராயணன் - கதவு
அன்னம்வெளியீடு,
தஞ்சாவூர், ஏழாம்பதிப்பு - 2015

3. கு.அழகிரிசாமி - ராஜாவந்திருக்கிறார்
காலச்சுவடுபதிப்பகம், நாகர்கோயில்
முதற்பதிப்பு -2012

4. கண்மணிகுணசேகரன் - உயிர்த்தண்ணீர்
தாமரைச்செல்விபதிப்பகம்
சென்னை, முதற்பதிப்பு- 1997

5. மேலாண்மைபொன்னுச்சாமி - தேசியமயில்
வானதிபதிப்பகம், சென்னை
முதற்பதிப்பு - 1997

6. பாரதியார் - பாரதியார்கவிதைகள்
நியூசெஞ்சரிபுக்ஹவுஸ், சென்னை
முதற்பதிப்பு – 2014
இரண்டாம்பதிப்பு- செப்டம்பர்- 2017

7. பாரதிதாசன் - பாரதிதாசன்கவிதைகள்
மணிவாசகர்பதிப்பகம், சென்னை
ஏழாம்பதிப்பு -2016

8. உவமைக்கவிஞர்சுரதா - துறைமுகம்
சுவாதிபதிப்பகம்,
அம்பத்தூர், சென்னை, முதற்பதிப்பு 2010

9. தேவதேவன் - அமுதம்மாத்திரமேவெளிப்பட்டது
நியூசெஞ்சரிபுக்ஹவுஸ், சென்னை
முதற்பதிப்பு – 2016

10. அறிவுமதி - நட்புக்காலம்
கவிதாபதிப்பகம், சென்னை
எட்டாம்பதிப்பு-2005

11. மித்ரா - மித்ராகவிதைகள்
சாரல்வெளியீடு, சென்னை
முதற்பதிப்பு, 1990

12. டி.செல்வராசு - பொய்க்கால்குதிரை
நியூசெஞ்சரிபுக்ஹவுஸ், சென்னை
முதற்பதிப்பு – 2014

13. இன்குலாப் - ஔவை
அகரம்பதிப்பகம், தஞ்சாவூர்
ஐந்தாம்பதிப்பு - 2015

14. ச.வே.சுப்பிரமணியன் -தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம்
சென்னை, ஏழாம்பதிப்பு- 2015

15. சோ.நா. கந்தசாமி -தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம்
சென்னை, முதற்பதிப்பு- 2004

பார்வைநூல்கள்

1. வல்லிகண்ணன் - புதுக்கவிதையின்தோற்றமும்வளர்ச்சியும்
பாரிநிலையம், சென்னை-108
முதற்பதிப்பு- 2008

2. க. கைலாசபதி - தமிழ்நாவல்இலக்கியம்
குமரன்பதிப்பகம்
வடபழனிசென்னை
முதற்பதிப்பு- 1968, மறுபதிப்பு 2010

3. கார்த்திகேசுசிவதம்பி - தமிழில்சிறுகதைதோற்றமும்
வளர்ச்சியும், நியூசெஞ்சரி, புத்தகநிலையம்,
சென்னை- 98, முதற்பதிப்பு- 2013

4. ஆறு. அழகப்பன் - தமிழ்நாடகத்தோற்றமும்வளர்ச்சியும்
பாரிநிலையம், சென்னை, மு.ப. 2011

5. சு. சக்திவேல் - இருபதாம்நூற்றாண்டுத்தமிழ்உரைநடை
மணிவாசகர்பதிப்பகம், சிதம்பரம்

Out Come Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	2			3		3		M			3	2		
CO2	3	2								3		2		
CO3		2									1			1

Semester-I 19IENGC12: English Through Literature I: Prose Credits: 3

Hours: 45

Learning Objective (LO):

By introducing the course, it is intended to:

LO1: Develop the Language ability of the students
LO2: Enable students to understand the passage, to read fluently, to enrich their vocabulary, and to enjoy reading and writing
LO3: Make the students proficient in the four language skills
LO4: Make the students read with correct pronunciation, stress, intonation, pause, and articulation of voice
LO5: Develop their inquiry skills

Course Outcomes

At the end of the course, the student will be able to

CO1: obtain competency in communication, both in written and oral skills
CO2: Acquire fluency in English language
CO3: Become knowledgeable about construction of sentence structures
CO4: Develop English vocabulary to use the English language effectively
CO5: Exhibit profic19IENCy in the four communication skills

Unit I

Stephen Leacock "With the Photographer"

Winston S. Churchill "Examinations"
Grammar: Parts of Speech: Nouns, Verbs, Adjectives, and Adverbs

Unit II
G.B. Shaw "Spoken English and Broken English"
M.K. Gandhi "Voluntary Poverty"
Grammar: Articles

Unit III
Robert Lynd "On Forgetting"
Virginia Woolf "Professions for Woman"
Grammar: Pronouns

Unit IV
A. G. Gardiner "On Umbrella Morals"
R.K. Narayan "A Snake in the Grass"
Grammar: Prepositions

Unit V
Martin Luther King (Jr.) "I Have a Dream"
George Orwell "The Sporting Spirit"
Grammar: Conjunctions & Interjections

Principal Reading:

1. Ayyappa Raja. S., Deivasigamani. T., Saravana Prabhakar. N., Karthikeyan. B. ***English through Literature: Prose.***
2. David Green: ***Contemporary English Grammar: Structures and Composition***, Macmillan

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1				3			3	3		3	3	3			3	3
CO2				3			3	3		3	3	3			3	3
CO3	3			2			2	2		2	2	2			2	2
CO4	3			3			3	3		3	3	3			3	3
CO5	1			2			2	2		2	2	1			1	2

Semester- I **19IECOC13: Microeconomics** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To equip the students with the basic microeconomic concepts and theories with graphic illustrations.
2. To develop the skills to analyse economic problems.

Course Outcomes

At the end of course, the students will be able to

CO1 Apply the basic concepts in microeconomics to study the functioning of markets
CO2 Appreciate the importance of competition in the economy
CO3 Understand the characteristics of a competitive market
CO4 Explain market structures wherein firms have market power
CO5 Evaluate policies to control market power and promote competition
CO6 Understand the rationale of the various types of goals perused by firms
CO7 Analyse alternate perspectives on income distribution
CO8 Understand the conditions for efficient resource allocation

Unit-1 Introduction

1. Nature and Techniques of Economic Analysis
2. Positive and Normative Economics
3. Inductive and deductive methods – Micro and Macro Economics

Unit-2 Cardinal Approach to the Theory of Demand

1. Marshallian cardinal utility – Law of Diminishing Marginal Utility
2. Consumer's Equilibrium
3. Law of Demand –Determinants of Demand - Elasticity of demand.

Unit-3 Ordinal Approach to the Theory of Demand

1. Ordinal utility – Hicks and Allen – Indifference curve and its Properties
2. Consumer's equilibrium – Price, income and substitution effects – Law of Demand
3. Applications of indifference curve analysis.

Unit-4 Theory of Production

1. Stages in production – Law of variable proportions – Laws of Returns to Scale – Iso-quants
2. Producer's Equilibrium – Least-cost combination of input - Expansion path
3. Homogenous production function – Cobb Douglas

Unit-5Cost and Revenue concepts

1. Types of Costs – Fixed and Variable Costs – Average, Marginal and Total Costs
2. Traditional and Modern Cost -Short and Long sum Cost Curves
3. Derivation of cost from production function - Optimum firm.
4. Total, Average and Marginal Revenue.

Unit-6Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Reading

1. Ahuja H.L (2017) *Advanced Economic Theory* (Sultan Chand Co., New Delhi).
2. Hal R. Varian (2004), *Intermediate Micro Economics:* A Modern Approach. W.W.Norton 2014
3. Ruffin Roy. J (1992) *Intermediate Micro Economics* (Harper & Collins Publishers-New york).
4. Sundaram K.P.M. and Vaish M.C. (2004), *Micro Economic Theory* (S.Chand)

Supplementary Readings

1. Koutsyiannis A. (1985) *Modern Micro Economics*, (Macmillan- London).
2. Salvatore, Dominick (2016), *Micro Economic Theory* (Tata McGraw Hill-New Delhi).

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2			3	3							1		3	2	2	3	
CO2		2		1	3										3	2	2	3	
CO3		2		1	3										3	2	2	3	
CO4		2		1	3										3	2	2	3	
CO5		2		1	3										3	2	2	3	

Semester- I **19IECOC14: Basic Statistics** **Credits:5**
Hours: 75

(Resolved that in Quantitative Papers, at least 50 percentages of Questions must be asked to solve problems in view of increasing Numerical and application skills)

Learning Objectives (LO):

1. To impart knowledge of statistical methods to the students
2. To familiarize them with the applications of statistical techniques to research in Economics.

Course Outcomes

At the end of course, the students will be able to

CO1: Have the knowledge on data sources and methods of collecting data requirements for economic analysis

CO2: Collect the data present them in tables / graphs

CO3: Describe the features of univariate data set by performing appropriate techniques

CO4: Describe the features of Bivariate data set by performing appropriate techniques

CO5: Understand the nature and measurement of relationship between the variables using correlation and regression analysis

CO6: Understand economic changes like inflations on general price levels through the

CO7: Appreciate the trends in economic status through statistical justification

Unit -1 Introduction and Collection of Data

Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics Collection of data - Census vs sampling: Advantages and Limitations – Primary and Secondary data – Methods of collecting Primary Data- Requisites of good questionnaire - Classification and tabulation of data - sources of secondary data.

Unit-2 Classification and Presentation of Data

Classification of data – Rules of Tabulation - Frequency distribution – Methods of constructing class intervals in a frequency distribution – Cumulative frequency distribution - Diagram –types. Graphic representation of data – Histogram – frequency polygon, frequency - Ogive curve.

Unit -3 Univariate Analysis

Measure of central Tendency– Mean, Median and mode – Relative merits and demerits – Requisites of a good average - Measures of dispersion – range, mean deviation, quartile deviation, standard deviation, Co-efficient of variation – Relative merits and demerits - Skewness and Kurtosis

Unit -4 Bivariate Analysis

Correlation – Methods of measuring correlation-Karl Pearson's correlation – Spearman's Rank Correlation. Simple Regression – equations - method of Least Squares – distinction between correlation and Regression.

Unit - 5 Index Numbers and Time Series Analysis

Index numbers – Meaning & Importance and limitations in construction of index numbers-Aggregative and relative index – Chain and fixed based index – whole sale index – cost of living index.

Analysis of time series Component of time series - Additive and multiplicative models– Measurement of trend - Graphic method, Method of semi-averages and method of least squares-Measurement of seasonal variations-method of simple averages and Ratio to trend method

Principal Reading

1. Gupta S.C. (2016) Fundamentals of Statistics (Himalaya, New Delhi).

Supplementary Readings

1. Murray R Spiegel and Larry J.Stephens,McGraw Hill,Schaum Outline Series,2008

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3									1		2			2
CO2	3	2	2		3									1		2			2
CO3	3	2	2		3									1		2			2
CO4	3	2	2		3									1		2			2
CO5																			

Semester- I

19IENSC15: Environmental Studies

Credits:2
Hours: 30

(For All the 5 Year PG Programmes of Arts Faculty)

Learning Objective (LO):

To introduce the learners to the ecosystem and to create environmental awareness among them.

Course Outcomes

At the end of course, the students will be able to

CO1: Appreciate the need for maintaining ecological equilibrium

CO2: Perceive the roots of environmental damages

CO3: Cultivate sensitivity to the magnitude and consequences of environmental damage

CO4: Insights into the need for sustainable development

CO5: Cultivate sustainable life-styles

Unit- 1The Environmental System

1. The Services Provided by the Environmental System
2. Ecosystems: Food Chains, Food Webs, Ecological Pyramids
3. Biochemical Cycles: Hydrological Cycle, Carbon Cycle.

Unit- 2 Environmental Damage- Pollution

1. Sources and impact of
2. Air Pollution
3. Water Pollution
4. Land Pollution
5. Municipal Solid Waste
6. Noise Pollution

Unit- 3 Resource Depletion

1. Importance of Forests: Causes and Consequences of Deforestation.
2. Bio Diversity: Meaning and Importance-Reasons and Consequences of Biodiversity Decline
3. Consequences of Overdrawing Water Resources.

Unit-4 Global Climate Change

1. The Science of Climate Change-The Green House Effect
2. Sources and Impact of Climate Change
3. Coping with Climate Change

Unit-5 Sustainable Development

1. Concepts and Definition of Sustainable Development (Brundtland Commission Definition)
2. Poverty, Population Growth and Environmental Damage
3. Policies for Sustainable Development

Principal Reading

1. Erach Bharucha. Environmental Studies. New Delhi: UGC, 2004.
2. Asthana,D.K & Asthana M 2016 A Text book of Environmental Studies S.Chandan Company New Delhi

Supplementary Readings

1. Kumarasam, K. A.Alagappa Moses and M.Vasanthy. Environmental Studies. Trichy: Bharathidasan University Pub., 2004.
2. Rajamannar. Environmental Studies. Trichy: EVR College Pub., 2004.
3. Kalavathy S. Environmental Studies. (Ed). Trichy: Bishop Heber College Pub., 2004.

4. Richard Wright and Dorothy F Boorse. Environmental Science: Toward a Sustainable Future. New Delhi: Prentice-Hall India, 2010.

Semester- I | **19IECOA16: Basic Accountancy** | **Credits:4** **Hours: 60**

Learning Objective (LO):

The student will be enriched in the knowledge in accounting and apply it in practical situations by the time of course completion.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the Concept of Accounting, Conventions and Preparation of Trial Balance

CO2: Formulate the Financial Accounts and Balance Sheet Adjustments.

CO3: Analyse the Bank Reconciliation and Rectification of Errors

CO4: Formulate the bill of exchange, Trade and Accommodation Bills

CO5: Obtain skill of accounting through Tally

Unit: 1 Introduction to Accounting

Accounting and Book keeping-Objectives of Accounting-Accountancy Concepts and Conventions as per Generally Accepted Accounting Principles – Double entry system-Rules for Double Entry System-Basic Terminologies used in Accounting.

Unit: 2 Recording and Posting

Journal- Ledger Postings – Subsidiary books Purchase Book – Purchase returns book-Sales book-Sales Returns Book- Journal Proper-Need for preparing subsidiary Books.

Unit: 3 Cash book and Accounting Treatment

Cash book-Single Column cash book-Double Column Cash Book- Contra Entry-Triple Column Cash Book-Petty Cash Book-Discount allowed and Discount Received and treatment.

Unit: 4 Final Accounts

Trial Balance-Trading account-Profit and Loss Account-Balance sheet-Adjustment entries-treatment of adjustment entries in Final accounts.

Unit: 5 Accounting through Tally

Company creation alternation and deletion – Single and multiple group creation deletion voucher-Journal, Sales, Purchase, contra credit and debit and memos-Trial balance and Final Accounts Preparation.

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Reading

1. Gupta, R.L.& Radhaswamy,M 2017 Financial Accounting, Sultan Chand and Sons.New Delhi.
2. Shraddha Singh,Navneet Mehra Tally – Power of Simplocity, V.S. Publishers,Delhi 2014
3. Junesa C.M Chawla,R.C.,&Seyena,K.K.2017 Book Keeping and Accountancy, Part I, Kalyani Pub.New Delhi.2001
4. Iyengar S.P.Advanced Acounting,2018, Sultan Chand and Sons. New Delhi 2003

Supplementary Readings

1. Shukla M.C.Grewal T.S.,Guptha S.C.2017Advanced Accounting, S.Chand&Co., New Delhi.
2. Jain S.P. & Narang K.L.2018 Advanced Accountancy,Kalyani Pub., New Delhi
3. Reddy T.S. & Murthy A,2016 Financial Accounting-Margham Publications,Chennai.
4. Mukerjee & Haneef 2017 Modern Accounting, Tata McGraw Hill Pub, New Delhi.
5. Sunder Gray T.Homgren Charles Elli off John,2017 Introduction to Financial Accounting, Pearson Education, New Delhi.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2	1										1		2			
CO2	3	2	2	1										1		2			
CO3	3	2	2	1										1		2			
CO4	3	2	2	1										1		2			
CO5	3	2	2	1										1		2			

முதலாம்ஆண்டு – இரண்டாம்பருவம்

Part - I Language –தமிழ் 19ITAMC 2: பக்திஇலக்கியமும்சிற்றிலக்கியமும்

மதிப்பெண்: 75
கிரடிட்: 3

நோக்கம் :

தமிழ்ப்பக்திஇலக்கியங்களையும்சிற்றிலக்கியங்களையும்அறிமுகம்செய்தல். பக்திஇலக்கியத்தின்செல்வாக்கு - தோற்றம்வளர்ச்சி - பாகுபாடு - தமிழின்தனித்தன்மையைஉணர்த்தியபாங்குபோன்றவற்றைவரலாற்றுடன்விளக்குதல்.

அலகு- 1பக்திஇலக்கியம்

1.திருஞானசம்பந்தர்	-	திருநள்ளாறு - பச்சைப்பதிகம் (முதல் 5 பாடல்கள்)
2.திருமூலர்	-	திருமந்திரம் (உடம்பினைமுன்னை, யாவர்க்குமாம், ஒன்றேகுலமும், உள்ளம்பெருங்கோயில், ஆர்க்கும்எனத்தொடங்கும்பாடல்கள்)
3.சிவவாக்கியர்	-	அறிவுநிலை (5 பாடல்கள்)

அலகு– 2பக்திஇலக்கியம்

1.ஆண்டாள்	-	திருப்பாவை (முதல் 5 பாடல்கள்)
2.வள்ளலார்	-	திருவருட்பா - பிள்ளைச்சிறுவிண்ணப்பம்

அலகு– 3பக்திஇலக்கியம்

1.தேம்பாவணி	-	குழவிகள்வதைப்படலம்
2.சீறாப்புராணம்	-	மானுக்குப்பிணைநின்றபடலம்

அலகு– 4சிற்றிலக்கியம்

1.குற்றாலக்குறவஞ்சி	-	மலைவளம் (வானரங்கள்... பாடல்முதல்)
2.முக்கூடற்பள்ளு	-	நாட்டுவளம்

அலகு - 5 இலக்கியவரலாறு

பக்திசிற்றிலக்கியவரலாறு - இடைக்காலத்தமிழகச்சூழல் - சைவவைணசமயங்களின்செல்வாக்கு - சமணபௌத்தசமயஇலக்கியங்கள் - கிறித்துவஇசுலாம்இலக்கியங்கள் - நாயக்கர்காலச்சிற்றிலக்கியங்கள்தோற்றபின்னணி - சிற்றிலக்கியவகை.

அலகு–6

(மாணவர்கள்அறிந்துகொள்வதற்குமட்டும் – தேர்வுக்கானபகுதிஅல்ல)

இலக்கியங்களையும்அவைதொடர்பானஇலக்கியவரலாற்றையும்இணைத்துப்படித்தல்.பக்திஇலக்கியவளர்ச்சியில்தமிழ்ப்பனுவல்களில்ஏற்பட்டவளர்ச்சியைச்சுட்டிக்காட்டுதல். மனிதமனத்தைபண்படுத்தவும், சமூகஅமைதியைநிலைநாட்டவும், உலகநல்லிணக்கம்காணவும்பக்திஇலக்கியம்பயன்படுமாற்றைவிளக்குதல்.

பாடநூல்:

1.	ச.வே.சுப்பிரமணியன்(ப.ஆ)	-	பன்னிருதிருமுறைகள் மணிவாசகர்பதிப்பகம், சென்னை மூன்றாம்பதிப்பு – 2010
2.	ச.வே.சுப்பிரமணியன் (ப.ஆ)	-	நாலாயிரத்திவ்யபிரபந்தங்கள் முல்லைநிலையம் சென்னை-17

முதற்பதிப்பு – 2000, இரண்டாம்பதிப்பு 1996

3. ..... - சித்தர்பாடல்கள்
மணிவாசகர்பதிப்பகம், சென்னை
இரண்டாம்பதிப்பு – 1996

4. வள்ளலார் - திருவருட்பா,
அண்ணாமலைப்பல்கலைக்கழகப்பதிப்பு
அண்ணாமலைநகர்

5. வீரமாமுனிவர் - தேம்பாவணி
பாரிநிலையம்,
சென்னை - 8
முதற்பதிப்பு – 2010

6. உமறுப்புலவர் - சீராப்புராணம்
நேஷ்னல்பதிப்பகம்
சென்னை
முதற்பதிப்பு – 2004

7. திரிகூடராசப்பக்கவிராயர் - குற்றாலக்குறவஞ்சி
பாவைபதிப்பகம்
சென்னை
இரண்டாம்பதிப்பு – 2014

8. ..... - முக்கூடற்பள்ளு
பாரிநிலையம்
சென்னை -108 , மறுபதிப்பு – 2015

பார்வைநூல்கள்

1. ந.வீ.செயராமன் - சிற்றிலக்கியச்செல்வம்
மணிவாசகர்பதிப்பகம், சென்னை.
முதற்பதிப்பு-1968.

2. ந.வீ. செயராமன் - பள்ளுஇலக்கியம்
மணிவாசகர்பதிப்பகம், சென்னை.
முதற்பதிப்பு- 1980.

3. கோ.கேசவன் - பள்ளுஇலக்கியம்ஒருசமூகவியல்பார்வை
அன்னம்வெளியீடு, தஞ்சாவூர் - 1981.
முதற்பதிப்பு - 1981

4. ச.வே.சுப்பிரமணியன் - தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம், சென்னை.
ஏழாம்பதிப்பு - 2010

5. சோ.நா.கந்தசாமி - தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம், சென்னை.
முதற்பதிப்பு - 2004

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2			3				M			3	1			3
CO2	3	1								3		1			
CO3		1									1			1	1

Semester-II 19IENGC22: English Through Literature II: Poetry **Credits: 3**
Hours:45

Learning Objective (LO):
By introducing the course, it is intended to:
LO1: Develop the ability of the learner to comprehend and appreciate poems in English
LO2: Enhance the competence of the learner in using the English language
LO3: Improve the interest of the learner in human values and perceptions
LO4: Enable students to study and analyze the use of language in poetry
LO5: Provide learners with the theoretical and practical understanding of grammar

Course Outcomes
At the end of the course, the student will be able to:

CO1: Become competent in communication, both in written and oral skills
CO2: Gain fluency in English language
CO3: Attain knowledge about construction of sentence structures
CO4: Acquire the vocabulary to use the English language effectively
CO5: Acquire the aesthetic sense for appreciating poetry

Unit I

William Shakespeare	"Sonnet 116"
William Blake	"Lamb"
Robert Burns	"A Red, Red Rose"
Grammar	Finite & Non-finite verbs

Unit II

PB Shelley	"To Wordsworth"
John Keats	"Sonnet to Sleep"
Thomas Hardy	"Neutral Tones"
Grammar	Strong and Weak Verbs, Auxiliaries and Modals

Unit III

Robert Frost	"Stopping By Woods on a Snowy Evening"
Wilfred Owen	"Anthem for Doomed Youth"
Emily Dickinson	"A Narrow Fellow in the Grass"
Grammar	Transitive, Intransitive Verbs, Active and Passive Voice

Unit IV

Sri Aurobindo	"The Tiger and the Deer"
AK Ramanujan	"Obituary"
Sarojini Naidu	"Queen's Rival"
Grammar	Concord

Unit V

Roger Mc Gough	“My Bus Conductor”
Maya Angelou	“Still I Rise”
Langston Hughes	“The Negro Speaks of Rivers”
Grammar	Tenses and their forms

Supplementary Reading

1. Hydes, Jack. *Touched With Fire.* London: Cambridge UP, 1985.
2. Narasimhaiah, C. D. *An Anthology of Common Wealth Literature*. New Delhi: Macmillan, 2006.
3. Thomas, C. T. *Twentieth Century Verse: An Anglo-American Anthology*. New Delhi: Macmillan, 2006.
4. Gates, Henry Louis, and Nellie Y. McKay.*The Norton Anthology of African American Literature.* New York: W.W. Norton & Co, 2004.
5. Ramachandran. C. N. and Radha Achar. *Five Centuries of Poetry.* New Delhi: Laxmi, 1998.

Outcome Mapping

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PS O1	PS O2	PS O3	PS O4	PS O5	PS O6
CO1	3			3			3	3		3	3	3			3	3
CO2	2			3			3	3		3	3	3			3	3
CO3	3			2			2	2		2	2	2			2	2
CO4	3			3			3	3		3	3	3			3	3
CO5	1			2			2	2		2	2	1			1	2

WITH COURAGE AND FAITH

Semester- II **19IECOC23: Macroeconomics** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To make the students understand the basic macroeconomic concepts and theories.
2. To train the students in analyzing macroeconomic problems with the help of theoretical foundations.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the Macroeconomic problems
CO2: Evaluate the classical and Keynesian approach
CO3: Appreciate the Keynesian contribution to Macroeconomic problems
CO4: Formulate Strategies to maintain effective demand
CO5: Estimate the consumption pattern and consumption behaviour
CO6: Perceive level of employment and its importance in any economy

Unit-1 Introduction to Macro Economic Analysis

1. Nature and Scope of Macro Economics – Importance and Limitations
2. Static – Comparative Statics and Dynamic Analysis.

Unit-2 National Income Accounting

1. Concepts and Components of National Income Methods of measuring National Income – Difficulties in Calculation

Unit-3 Theories of Consumption Function

1. Determinants of Consumption – Keynes' Psychological Law-Short and Long run Consumption Functions
2. Theories – Absolute Income Hypothesis, Relative Income Hypothesis,
3. Permanent Income Hypothesis, Life Cycle Hypothesis

Unit-4 Classical and Keynesian Macro Model

1. Classical Theory of Employment – Say's Law of Market
2. Keynes theory of employment and output – Multiplier and Accelerator

Unit- 5 General Equilibrium

1. Goods market and Money market - IS and LM Curves
2. Fiscal and Monetary policies

Unit-6 Current Streams of Thought
The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. *Gregory Mankiw, Principles of Macroeconomics, Cenage,2014*

Supplementary Readings

1. Macroeconomics videos on Marginal Revolution University www.mru.org
2. Ackley, G. [1978]. Macroeconomics: Theory and Policy [Macmillan, New Delhi]
3. Edmund R. [1985]. Macroeconomic Theory and Policy [New Delhi, Prentice Hall].
4. Edward Shapiro [1984]. Macroeconomic Analysis [McGraw Hill Publishing Company Ltd, New York].

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3								1	1	3	2	2	3	2
CO2	3	2	2		3	3		1					1	1	3	2	2		2
CO3	3	2	2		3	3		1					1	1	3	2	2		2
CO4	3	2	2		3	3		1			3		1	1	3	2	2		2
CO5	3	2	2		3	3		1			3		1	1	3	2	2		2

Semester- II **19IECOC24: Economic Statistics** **Credits:5**
Hours: 75

(Resolved that in Quantitative Papers, at least 50 percentages of Questions must be asked to solve problems in view of increasing Numerical and application skills)

Learning Objectives (LO):

1. To impart knowledge of statistical methods to the students
2. To familiarize them with the applications of statistical techniques to research in Economics.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the methods of sampling and sampling errors

CO2: Appreciate the importance of probability and the uses of Probability distributions in Statistical inferences.

CO3: Demonstrate the estimation procedures for the population measures.

CO4: Formulate the statistical hypotheses and testing procedure of them using sample information.

CO5: Gain training on the applications of different theoretical distributions for the testing of hypothesis.

CO6: Use appropriate statistical methods of testing in the simple data sets

CO7: Interpret and present output from statistical analyses in a clear and understandable manner

Unit -1 Sampling Theory

1. Census and Sampling method-Advantages and limitations
2. Principles of sampling-Law of Statistical regularity - Law of Inertia of large numbers
3. Methods of sampling – Random and Nonrandom sampling methods - Sampling errors and Non Sampling errors

Unit-2 Probability and Probability Distribution

1. Types of probability and theorems of probability [simple problems only]
2. Random variable, probability distribution and mathematical expectation
3. Theoretical distributions: Properties of binomial and normal distributions

Unit -3 Theory of Estimation

1. Estimate and estimator – Properties of a good estimator
2. Point estimation – Methods of estimation and their properties
3. Interval estimation – Confidence interval for mean and proportion

Unit -4 Testing of Hypothesis

1. Basic concepts: Null and alternative hypotheses, types of errors and critical value
2. Procedure of testing of hypothesis

3. Large sample tests – Tests of significance of mean, proportion, difference of means and difference of proportions

Unit –5 Exact Sample Tests

1. t- distribution – Properties and Applications
2. Chi-square test – Testing goodness of fit and Association of attributes
3. F-distribution – Applications - ANOVA one-way and two-way classifications.

Principal Reading

1.	Gupta S.C. (2016) Fundamentals of Statistics (Himalaya, New Delhi).

Supplementary Readings

1. Murray R Spiegel and Larry J. Stephens, *Statistics*. McGraw Hill, Schaum outline Series, 2008

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3			1						1					2
CO2	3	2	2		3			1					1	1		2		3	2
CO3	3	2	2		3			1						1			2		2
CO4	3	2	2		3			1						1		2	2		2
CO5	3	2	2		3			1						1		2	2		2

Semester- II **19IECOC25: Economic History of India: (1857-1947)** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To make students aware of the economic condition that existed in Pre-Colonial India.
2. To enrich the knowledge of the student on the Economic impact of the Colonial Rule on Agriculture, Industries and Monetary Policy of India.

Course Outcomes:

At the end of course, the students will be able to

CO1 Appreciate how history matters in economic development

CO2 Evaluate alternate theories of economic history in the Indian context

CO3 Analyse the consequences of colonial rule applying economic reasoning

CO4 Reflect on the ideological underpinnings of colonial economic policies

CO5 Understand the legacy of the colonial experience for modern India

CO6 Evaluate the Colonial Legacy of bringing the Indian Economy to the main stream with the bountiful number of institutional frame work

CO7 Appreciate the pattern of industries that emerged during colonial rule

Unit-1 The Study of Economic History

1. Subject Matter of Economic History, emergence
2. Link between economics and history
3. Relevance and scope

Unit- 2 Pre-colonial Indian Economies

1. Agrarian Condition
2. Village Community
3. Industry – Disintegration of Village Industries
4. Foreign Trade

Unit- 3 Transition and its impact on Agriculture

1. Ownership Rights, Tenancy and Land Revenue
2. Commercialization of Agriculture
   i. Crops and Cropping Pattern
   ii. Food Production
3. Labour Market

Unit- 4 Developments in Industrial Sector

1. Industrialization, Colonial interest and Globalization
2. Small-scale Industry
3. Large-scale Industry
4. Railways as a tool of Industrial Development

Unit- 5 Foreign Trades and Monetary Policy

1. Foreign Trade
2. Drain Theory
3. Monetary Policy
4. Economic Stagnation

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Reading

1. Roy, Tirthankar (2011). *The Economic History of India: 1857–1947* (New Delhi: Oxford University Press) ISBN:13:9780198074175

Supplementary Readings

1. Kumar, Dharma (ed.) (1982). *The Cambridge Economic History of India: c. 1757–c.1970*(Vol-2) (Hyderabad: Orient Longman) chapter 1, 4, 6-10, 12

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3					3		1					1		3	2	2	3	
CO2	3	2			3	3		1		2					3	2	2	3	
CO3	3		2		3			1					1		3			3	
CO4	3				3	3		1		2					3	2		3	
CO5	3	2			3	3		1							3	2		3	

Semester- II | **19IECOA26: Principles of Sociology** | **Credits:3 Hours: 45**

Learning Objectives (LO):

To make the students understand the social world from sociological perspective and to make them interpret life experience in terms of social facts.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the relation between Sociology and History, Sociology and Economics, Sociology and Political Science etc
CO2: Evaluate the Major Social Institutions like family, marriage, religion etc
CO3: Identify and apply major theories of Social change in Sociology
CO4: Evaluate the process of socialization and the agencies of socialization
CO5: Appreciate the social stratification and social controls

Unit-1

Nature, Scope and development of Sociology - Uses of Sociology- Sociology and other social sciences - History, Economics, Politics, Anthropology, Psychology.

Unit -2

Basic concepts of Sociology - Institution -Association - community - Society - Social Interaction -Social Processes -Types of Social Processes

Unit-3

Individual and Society - The process of socialization -Agencies of socialization - Various stages of socialization Culture Definition - Elements - Functions - Cultural lag Ethnocentrism.

Unit-4

Groups - Definition - characteristics - Types of groups - Primary and Secondary groups - Major social Institutions - Family - Marriage - Religion - Education mid Economic Institutions.

Unit-5

Social Stratification - Definition - Characteristics - Functions - Forms social control - Definition - Agencies and Types of social control. Social change - Factors of Social change theories of social change.

Unit-6

Current Streams of Thought: The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Shankar Rao C. N., Sociology, New Delhi, S. Chand and Company, 2016
2. Inkeles, Alex. What is Sociology? - An Introduction to the Discipline and Profession. Englewood Cliffs. N. J.' Prentice Hall, 2016

Supplementary Readings

1. Ogburn W.F. and Nimkoff M.F., A Hand Book of Sociology, Boston, Haughton Miffline Company, 1958.
2. Horton B and Hunt L., Sociology, Tokeyo, McGraw Hill Book Co., 1984.

3. Cuber, F. John., Sociology: A Synopsis of Principles, Newyork, Appleton Century Crafts Inc., 1955.
4. Shepard, John M., Sociology, Minnesota: West Pub. Co., 1980.
5. Johnson, Harry M., Sociology: Systematic l Introduction, Newyork, Brace & Co., 1960.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3				2		3		1		3			3	
CO2	3		2	1	3		1	1	2	2	3	2	1		3	2	2	3	2
CO3	3		2	1					2	2	3				3	2	2	3	2
CO4	3		2	1					2		3	2			3	2	2	3	2
CO5	3		2		3				2		3		1		3		2	3	2

Semester- II	**19IECOA27: Marketing Principles and Practice**	**Credits:4**
		Hours: 60

Learning Objectives (LO):

To teach students the techniques in marketing and product planning, pricing strategy of the marketing practices.

Course Outcomes

At the end of course, the students will be able to

CO1: understand the concept of marketing and marketing environmental

CO2: Analyse the marketing demand and marketing techniques

CO3: Appreciate the product related planning and strategies

CO4: Formulate pricing policies, promotion and advertising

CO5: Appreciate the channels of distributions and marketing

Unit–1Introduction

1. Marketing – Definition – Importance – concepts in Marketing
2. Factors influencing marketing concept-Role of marketing in Economic Development
3. Marketing Environment, Marketing Strategies – Kinds of marketing Strategies

Unit–2 Market and Demand Forecasting

1. Market Segmentation – bases for market segmentation
2. Consumer Behaviour – Factors influencing consumer Behaviour – marketing mix concept
3. Sales forecasting – factors influencing sales forecasting – types-importance-methods of sales forecasting

Unit–3 Product Planning and Strategies

1. Meaning – classification of goods – product planning and development – product life cycle
2. New product Development – Innovation – product obsolescence – Elimination
3. Product related strategies – Branding, packing labelling, warranting, Trade mark – Copy right Patents.

Unit–4 Pricing Strategies

1. Pricing – meaning and objectives, pricing Policies and Strategies – pricing methods
2. Promotion – promotion mix – purpose of promotion – promotion Strategy – sales promotion
3. Advertising – uses of advertising – Kinds of Advertising budget - Sales Management and process

Unit–5 Distribution and Consumerism

1. Selection of channel of distribution – wholesalers and retailers – their functions and importance
2. Marketing research – Management research – objectives and process
3. Consumer protection – Government and marketing – ISI, AGMARK,

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Philip Kotler (2014). *Marketing Management* (Prentice Hall of India, New Delhi)
2. William J. Stanton (2017). *Fundamentals of Marketing* (Tata McGraw Hill, New Delhi)
3. V.S. Ramaswamy and Namakumari, (1999). *Marketing Management,* (Macmillan)

Supplementary Reading

1. E. Jermoe Mc Carthy, (2007) *Marketing Management*
2. Victor P. Buel,(2005 *Marketing Management*, (McGraw Hill)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1		2	2		3			1						1		2			
CO2		2	2		3			1					1	1	3	2			
CO3		2	2		3			1					1	1					2
CO4		2	2		3			1					1	1		2			2
CO5	3	2	2		3			1						1		2		3	2

இரண்டாம் ஆண்டு – மூன்றாம் பருவம்

Part - I Language –தமிழ் 19ITAMC31*:* அற இலக்கியமும் காப்பியமும்

மதிப்பெண்கள் : 75
கிரடிட் : 3

நோக்கம்:

தமிழில்தோன்றியஅறஇலக்கியங்களையும்காப்பியஇலக்கியங்களையும்அறிமுகம்செய்தல்.
அவற்றின்வகைகளைவரலாற்றுடன்விளக்குதல்.
இலக்கியங்களையும்அவைதொடர்பானஇலக்கியவரலாற்றையும்இணைத்துப்படித்தல்.

அலகு– 1அறஇலக்கியம்

1. திருக்குறள் - உழவு, ஒழுக்கமுடைமை, காலமறிதல், நட்பு, பிரிவாற்றாமை

அலகு– 2அறஇலக்கியம்

1. நாலடியார் - பெரியாரைப்பிழையாமை
2. பழமொழிநானூறு - கல்வி

அலகு - 3காப்பியம்

1. சிலப்பதிகாரம் - இந்திரவிழவுஊரெடுத்தகாதை
2. மணிமேகலை - ஆபுத்திரன்திறன்அறிவித்தகாதை

அலகு - 4காப்பியம்

1. பெரியபுராணம் - அப்பூதிஅடிகள்புராணம்
2. கம்பராமாயணம் - வாலிவதைப்படலம்

அலகு - 5இலக்கியவரலாறு

சங்கமருவியகாலஅறஇலக்கியங்கள் - திருக்குறளின்பெருமை - அறஇலக்கியங்களின்வளர்ச்சி - காப்பியஇலக்கணம் - பகுப்புகள் - காலந்தோறம்தோன்றியகாப்பியங்கள் - வரலாறு.

அலகு–6 (மாணவர்கள்அறிந்துகொள்வதற்குமட்டும் – தேர்வுக்கானபகுதிஅல்ல)

அறஇலக்கியங்கள்மனதைநெறிப்படுத்துவதோடுசமூகநடத்தைகளையும் கற்றுத்தருகின்றன.
அறஇலக்கியங்களின்தொடர்பால்மாணவர்கள்நல்லக்கருத்துகளைக்கற்றுக்கொள்வதோடுவாழ்வி லும்கடைபிடிக்கஎண்ணுதல்நல்லசமூகம்உருவாகும்.
சமூகத்திற்குஅறநெறிகளில்தேவையானவைஎடுத்துரைத்தல்.

பாடநூல்கள்

1. பதிப்பாசிரியர்ச. மெய்யப்பன்- திருக்குறள்
மணிவாசகர்பதிப்பகம், சென்னை- 08.
இரண்டாம்பதிப்பு -2017

2. ச.வே.சுப்பிரமணியன் - நாலடியார்,பழமொழிநானூறு
மணிவாசகர்பதிப்பகம், சென்னை- 08.
இரண்டாம்பதிப்பு -2012

3. இளங்கோவடிகள் - சிலப்பதிகாரம்
டாக்டர்உ.வே.சா. பதிப்பு
2, அருண்மடல்கடற்கலைசாலை
பெசன்ட்நகர், சென்னை
பதினொன்றாம்பதிப்பு -2008

4. சீத்தலைச்சாத்தனார் - மணிமேகலை
டாக்டர்உ.வே.சா. பதிப்பு
2, அருண்மடல்கடற்கலைசாலை
பெசன்ட்நகர், சென்னை
எட்டாம்பதிப்பு -2008

5. சேக்கிழார் - பெரியபுராணம்
முல்லைநிலையம், சென்னை
முதற்பதிப்பு -2010

6. கம்பர் - கம்பராமாயணம்
அண்ணாமலைப்பல்கலைக்கழகம்
வெளியீடு,

7. ச.வே.சுப்பிரமணியன் - தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம், சென்னை.
முதற்பதிப்பு- 1999

8. சோ.ந.கந்தசாமி - தமிழ்இலக்கியவரலாறு
மணிவாசகர்பதிப்பகம், சென்னை.
முதற்பதிப்பு - 2004

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2			3				2			3	2			3
CO2	3	2								3		2			
CO3		2									1			1	2

Semester-III **19IENGC32: English Through Literature III: Drama** **Credits: 3**
Hours: 45

Learning Objective (LO):

By introducing the course, it is intended to:

LO1: Enhance the conversational competence of the learners by introducing drama in English.
LO2: Make the students the understand characteristics of the Elizabethan Age.
LO3: Make them appreciate Shakespearean drama.
LO4: Make them learn the key elements of sentence structures
LO5: Make the students master the mechanics of writing

Course Outcomes

At the end of the course, the student will be able to:

CO1: Obtain a literary acumen to answer MCQs of NET/SET examinations and other competitive examination
CO2: Appreciate conversational English
CO3: Recognize the dramatic elements of Shakespearean dramas
CO4: Use punctuations and capitals effectively in their composition
CO5: Recognize the elements of the spoken discourses

Unit I

William Shakespeare *The Tempest* (Act I)
Grammar "Phrases and Clauses"

Unit II

William Shakespeare *The Tempest* (Act II)
Grammar "Simple, Compound, and Complex Sentences"

Unit III

William Shakespeare *The Tempest* (Act III)
Grammar "Transformation of Sentences"

Unit IV

William Shakespeare *The Tempest* (Act IV)
Grammar "Sequence of Tenses and Reported Speech"

Unit V

William Shakespeare *The Tempest* (Act V)
Grammar "Punctuation and Capitals"

Principal Readings:

1. Shakespeare, William. *The Tempest*. Ed. W. Turner. New Delhi: S. Chand & Co., 2008.
2. Green, David. *Contemporary English Grammar, Structures, and Composition*. Chennai: MacMillan, 2010.

Supplementary Reading:

1. Cahn, L Victor. *Shakespeare the Playwright: A Companion to the Complete Tragedies Histories, Comedies, and Romances*. London: Praeger, 1996.
2. Crystal, David. *Shakespeare's Words: A Glossary and Language Companion*. London: Penguin, 2009.
3. Greenbaum , Sidney. *Oxford English Grammar.* London: Oxford UP, 2005.
4. McCarthy. *Cambridge Grammar of English*. London: Cambridge UP, 2018.
5. Quirk, Randolph. *A Comprehensive Grammar of the English Language*. London: Pearson, 2010.

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3			3			3	3		3	3	3			3	3
CO2	2			3			3	3		3	3	3			3	3
CO3	3			2			2	2		2	2	2			2	2
CO4	3			3			3	3		3	3	3			3	3
CO5	1			2			2	2		2	2	1			1	2

Semester- III **19IECOC33: Mathematical Methods** **Credits:5**
Hours: 75

Learning Objectives (LO):

1. To teach the meaning and significance of elementary mathematical tools in economics.
2. To make the students understand economic problems clearly with the applications of mathematical tools.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the ingredients of an economic model and uses of mathematics in economics

CO2: Have knowledge on various functional forms applicable to understand the

CO3: Determine the domain and range of functions algebraically and graphically

CO4: Demonstrate the application of the principles of matrix algebra in Input-Output Analysis and solving the system of linear equations using Cramer's Rule and matrix inversion

CO5: Demonstrate different rules of derivatives and obtain derivatives of different functions

CO6: Appreciate the applications of the First Order Derivatives in economics

CO7: Demonstrate the use of Differential Calculus in understanding the nature of Demand, Cost and Revenue concepts in Economics

Unit-1 Economic Model

1. Variables, Constants, Equations and its types – Uses and limitations of mathematics in Economics
2. Functions of one or more variables – Linear function, Parabola, Rectangular hyperbola
3. Exponential, Logarithmic power function and homogenous function – Applications in Economics.

Unit-2 Matrix Algebra

1. Determinants – Evaluation and properties
2. Types of matrices – Matrix operations – Addition – Subtraction
3. Matrix Multiplication – Transpose and Inverse [problems]0

Unit-3 Applications of Matrix Algebra

1. Solving a system of linear equations – Cramer's rule and Matrix inverse method
2. Leontief's input-output model – Open and closed model components, uses, and limitations
3. Hawkin – Simon conditions for viability of I-O model [problems]

Unit-4 Rules of differentiation of Y = f(X)

1. Polynomial, Scalar product, Exponential and Lograthmic rules
2. Addition, Subtraction, Product and Division rule
3. Composite function, Inverse and Implicit functions rules without derivation [problems].

Unit-5 Applications of First Order Derivatives

1. Marginal values, growth rate and elasticity
2. Relation between marginal revenue, average revenue and price elasticity – Normal revenue conditions
3. Marginal cost, average cost and cost elasticity – Normal cost conditions [problems]

Principal Readings

1. *Geoffrey Renshaw, Mathematics for Economics, Oxford University Press,2012*

Supplementary Readings

1. Edward T.Dowling, Introduction to Mathematical Economics,Tata McGraw Hill, Scaum outline,2004.
2. *Renshaw, Georf (2012**),Maths for Economics,*** Oxford University Press,UK

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3								1	1		2			
CO2	3	2	2		3								1	1		2			
CO3	3	2	2		3									1		2		3	
CO4	3	2	2		3									1		2		3	
CO5	3	2	2		3									1		2		3	

Semester- IV **19IECOC34: Gender Economics-1** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. Study the Economic and Social Rights of Women and the factors hinder them
2. Participation of Women in Pre-industrial and industrial societies and Female contribution to National Income.

Course Outcomes

At the end of course, the students will be able to

CO1: Appreciate dimensions of gender on economic development
CO2: Reflect on gender equality and its importance in this millennium
CO3: Understand dimensions of poverty and its impact on gender empowerment
CO4: Understand the importance of institutions on gender development
CO5: Understand the various dimensions of women development in India

Unit 1
Introductory concepts

1.1 Gender as distinct from biological differences
1.2 Economic Development: GDI, GEM
1.3 Endowments, opportunities and agency
1.4 Empowerment

Unit 2
Gender Gaps
2.1 The extent of gender gaps
2.2 Factors reducing and sustaining gender gaps
2.3 Importance of gender equality
2.4 Gender equality in the Millennium Development Goals

Unit 3
Economic Development and Gender Empowerment
3.1 Women empowerment through reduction in poverty, fertility and maternal mortality
3.2 Expanding labour force participation and change in time use
3.3 Consequences of Women's education
3.4 Women's participation in governance and development

Unit 4
Women's Agency
4.1 Types of agency
4.2 Importance of women's agency
4.3 Impact of economic development on women's agency
4.4 Determinants of women's agency

Unit 5
Women in the Indian Economy
5.1 Change in women's empowerment since independence
5.2 Women's economic status in the formal and informal sectors
5.3 labour force participation in India: trends and determinants
5.4 Regional differences in women's empowerment

Principal Readings

Esther Duflo, Women Empowerment and Economic Development
World Bank, Gender Equality and Development

Supplementary Readings
Gender Gap Report, latest edition

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1				2						2		3	2		3	3	2	3
CO2											2		1					2	
CO3											2		1		2		3		
CO4											1				1	2		3	1
CO5					1						1			1			2	1	2

Semester- III **19ICIAA35: Computer and Its Applications** **Credits:3**
Hours: 45

For All the 5 Year Integrated PG Programmes of Arts Faculty

Learning Objective: (LO):

To introduce the students to the fundamentals of both software and hardware of a Computer and its application in different fields.

Course Outcomes

At the end of course, the students will be able to

CO1: To know the architecture and components and their functions
CO2: To appreciate the advantages of DOS over windows
CO3: To apply utility software MS Office for professional needs
CO4: To appreciate the uses of Networking different Hardware involved in it
CO5: To understand internet protocol, Browser, ISP etc.

Unit – 1

Introduction to Computers: History - Generation of Computers - Storage Devices - Primary Storage Devices (RAM, ROM, PROM, EPROM) - Secondary Storage Devices (Floppy Disk, Hard Disk, Optical Disk and Magnetic Tapes) - Input and Output Devices (Keyboard, Mouse, Joystick, Monitor, Printers and Scanners).

Unit – 2

Introduction to Operating System: Types of Operating System (DOS, Windows) – Operating System Features – Booting (Warm and Cold Booting) - Introduction to Software: Software Types (System Software, Application Software) - Computer Languages (Machine Language, Assembly Language and High Level Language) – Computer VIRUS, WORMS and Vaccines.

Unit – 3

Personal Productivity Software: Introduction to MS-Office - MS-Word - MS-Excel - MS-Power Point - MS-Access.

Unit – 4

Data Communication: Elements - Computer Network - Types (LAN, MAN and WAN) - Topology - Transmission Media – Guided Medium (Twisted Pair, Coaxial Cable and Fiber Optic Cable) – Wireless Transmission.

Unit – 5

Introduction to Internet: Browser and Its types - World Wide Web (WWW) - Internet Service Provider (ISP) - HTTP - Electronic Mail - Introduction to Multimedia - HTML - Creation of Web Pages.

Unit-6 Current Streams of Thought
The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings:

1. Andy Field (2000). Discovering Statistics Using SPSS for Windows – Advanced Techniques for the Beginner [Sage Publications, New Delhi]
2. Dhanasekaran K (2010) Computer Applications in Economics First Edition ISBN978-81-8281-296-3
3. Darren George Paul Mallery SPSS for Windows step by step Sixth Edition

Supplementary Readings:

1. V.Rajaraman. Introduction to Information Technology. (2nd Edition). Delhi: PHI., 2013.
2. Behrouz A Forouzan Data Communication and Networking.(2nd Edition).Delhi:PHI., 2003.
3. Tay Vaughan. Multimedia: Making It Work. (8th Edition). Osborne: McGraw-Hill, 2011.

Semester- III **19IECOE36: Economics of Agriculture [DE-1]** **Credits:4 Hours: 60**

Learning Objectives (LO):

1. To make the students aware of the significance of agriculture in the development scenario of the nation.
2. To improve the conditions of agriculture for accelerating the pace of agricultural development in India.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the interaction between agriculture and the other sectors

CO2: Appreciate the implications of green revolution in economic development

CO3: To evaluate the wage policy for agricultural labourers

CO4: To appreciate prevalence of negative marginal productivity of factors of production in agriculture

CO5: Evaluate price policy for agriculture produce

CO6: Appreciate the implications of farm size and mechanisation and its impact on farm profitability

Unit-1 Introduction

1. Scope and Significance of Agriculture
2. Agriculture and Industry - A Comparison
3. Role of Agriculture in India's Development
4. Inter-Sectoral Linkage - An Overview

Unit-2 Agricultural Production and Productivity

1. Production Function Analysis - Relevance to Farm Production Economics.
2. Productivity Trends; Low production and Productivity: Causes, Consequences and Measures.
3. Size - Efficiency relations in Indian agriculture - A.K. Sen's Hypothesis.
4. Role of Technology in Agriculture - Structural Changes in Agriculture.

Unit-3 Agricultural Labour

1. Agricultural Labour: Types – Supply of Labour – Problems
2. Rural Unemployment: Types, consequences and remedial measures.

3. Minimum wages for agricultural workers - An evaluation.
4. Poverty Eradication programmes – Recent Wage and Self-Employment Programmes

Unit-4 Agricultural Finance and Capital

1. Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance.
2. Co-operatives in Rural Finance.
3. Role of Commercial Banks and NABARD in Rural Finance.
4. Farm Capital - Meaning, Types, and Marginal Efficiency of Farm Capital and Capital formation in agriculture.

Unit-5 Agricultural Policy

1. Agricultural Price policy - Objectives, instruments and impact.
2. Economic Reforms and Agricultural policy – WTO and Agriculture
3. Agricultural Taxation and its relevance.

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Ashok Rudra (2016). Indian Agricultural Economics: Myths and Realities (Allied publishers, New Delhi)
2. Dantwala M.L (ed) (2012). Indian Agricultural Development since Independence (Oxford and IBH Publishing company private limited, New Delhi).
3. Vasant Desai B.P (2016). Agricultural Economics, Rural development (Jai Prakash North, Meerut)

Supplementary Readings

1. Hanumantha Rao C.H. (1985). Technological changes and distribution of grains in India agriculture (Macmillan, New Delhi).
2. Ruddar Datt and K.P.M. Sundharam (2017). Indian Economy [S.Chand and Ltd., RamNagar.NewDelhi]

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3	3			2				1		3	2	2		
CO2	3				3	3	1		2	2			1		3	2	2	3	2
CO3	3	2	2		3					2	3		1		3	2	2	3	
CO4	3	2			3	3	1			2	3		1		3	2	2	3	
CO5	3				3	3					3				3	2	2		

Semester- III **19IECOE37: Entrepreneurial Development [DE-2]** **Credits:4 Hours: 60**

Learning Objectives (LO):

1. To introduce the students with the concept of Entrepreneurship and Entrepreneurial growth
2. To motivate the students to become a successful entrepreneur.
3. To highlight the theories of Entrepreneurship and the financial institutions

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the concepts of Entrepreneurship and enterprises

CO2: Appreciate the theories of entrepreneurial motivation

CO3: Formulating Projects in real life situations

CO4: Apply various methods of project appraisal

CO5: Know the availability of institutional finance for the development of entrepreneurship

CO6: Perceive the idea organisation and the inevitable role of entrepreneur for it

Unit–1 Introduction of Concepts

Concept of Entrepreneur – characters of an Entrepreneur – distinction between Entrepreneur & Manager -function & Types of Entrepreneur. Concept of Entrepreneurial ship -Role in Economic Development, Women Entrepreneurial ship – function, problems recent trends.

Unit –2 Entrepreneurial Growth

1. Economic &Non Economic Factors – Role of Government
2. Entrepreneurial Motivation – Theories – factors
3. Entrepreneurial Development – Need, Objectives, Phases Evaluation

Unit–3 Projects& Entrepreneur

1. Meaning – Identification – Selection
2. Project Formulation: Meaning and Significance - Contents of a Project Report – Formulation – Planning Commission Guidelines.

Unit–4 Project Appraisals and Finance

1. Concept - methods of Appraisal
2. Need for financial Planning – Source of finance- - Capital structure –
3. Capitalisation –venture capital – Export Finance

Unit–5 Institutional Finance to Entrepreneurs

1. Commercial Bank, Industrial Development of India (IDBI),Industrial Finance Corporation of India (IFCI),Industrial Credit & Investment Corporation of India (ICICI) Unit Trust of India (UTI),State Financial Corporation's (SFCs),State Industrial Development Corporation (SIDCO) Exim Bank of India.
2. Institutional Support to Entrepreneur
    a) National Small Industries Corporation Ltd.(NSIC)
    b) Small Industries Development Organisation (SIDO)
    c) Small Scale Industries Board (SSIB)
    d) State Small Industries Development Corporations (SSICS)
    e) Small Industries Service Institutes (SISI)
    f) District Industries Centre (DICs)

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Khanka S.S (2017) Entrepreneurial Development S.Chand & Company Ltd, Ram Nagar
2. Poornima M. C, 2016, Entrepreneurship Development and Small Business Enterprises, Pearson Education, New Delhi,
3. S.S Khanka, S.S.2017, Entrepreneurial Development, S.Chand & Company, New Delhi,

Supplementary Readings

1. Vasant Desai, 2016 Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, New Delhi.

2. Robert D. H, Michael P. P and Dean A. S,2017 Entrepreneurship, Tata McGraw Hill, New Delhi.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1					3		1		2							2	2		2
CO2	3	2		1	3	3		1	2				1		3	2	2	3	2
CO3	3	2		1	3	3	1	1	2		3	2	1		3	2	2		2
CO4	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO5	3	2			3		1	1	2		3		1		3	2		3	2

Semester- III | **19ISSC300Soft Skills-1: Communication Skills** | **Credits: 3 Hours: 60**

Learning Objectives

LO1: To identify and enhance the soft skills of the students

LO2: To develop effective oral and writing skills of the students

LO3: To enable them to communicate effectively through their body language

Course Outcomes

Upon completion of the course students will be able to

CO1: Make effective presentations and showcase mastery in communication

CO2: Achieve excellence in both personal and professional life

CO3: Prepare their own resume and understand the importance of preparing resume

Unit-1 Introduction to Soft Skills (12h)

Soft skills - Meaning and Importance - Soft Skills Vs Hard Skills – Attributes regarded as Soft Skills

Listening – Types of Listening, Effective Listening, Barriers to Listening, Developing Listening skills, Assertive communication

Unit-2 Communication Skills (12h)

Communication – Definition, Process, Types – Verbal and Non Verbal Communication, Oral nd Written Communication, Barriers to communication, Speaking Skills, Starting and sustaining a conversation, Presentation and interaction

Unit-3Presentation Skills (12h)

Public Speaking, Types of Speeches, Combating Nervousness, Patterns & Methods of Presentation, Oral Presentation: Planning & Preparation, Making Effective Presentations, Use of Audio-Visual aids

Unit-4Writing Skills (12h)

Principles of Written Communication, Purpose, Types of Business Writing, Business Letters - format and style, Professional Writing – Articles, Reports, Conference papers, Types and Layout of report, Employment Communication - Preparing Drafting an Effective Resume – Cover letter

Unit-5 Non Verbal Communication (12h)

Communication Without Words, Para language - Proxemics, Kinesics - Body Language - Facial Expressions , Gestures, Postures, Haptics - The Language of Touch, Meta-communication

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Sanjay Kumar and Pushp Lata, Communication Skills, Oxford University Press, 2nd Edition, 2015.
2. Alex K, Soft Skills, Sultan Chand Company, 2014.

Reference Books

1. Y. Vijaya Babu, "A Course on Communication Skills for Professional Students: Basics and Concepts", Notion Press, First Edition, 2019.
2. Mikael Krogerus and Roman Tschappeler, "The Communication Book", Portfolio Penguin Publishers (Kindle edition), 2018.
3. Manish Ranjan, Communication Skills and Interpersonal Skills, Pearson Education India, 2014.
4. Shalini Verma, Body Language, S.Chand & Company Ltd., 2006.

தமிழியல்துறை

இரண்டாம்ஆண்டு – நான்காம்பருவம்

Part - I Language –தமிழ் 19ITAMC41 – சங்க இலக்கியமும் செம்மொழி வரலாறும்

மதிப்பெண்கள் : 75
கிரடிட் : 3

நோக்கம்:

உலகச்செம்மொழியின்வரலாற்றைக்கூறுதல்.
தமிழ்ச்செம்மொழியின்தனிச்சிறப்புக்களையும்செம்மொழிஇலக்கியங்களையும்விவரித்தல் - சங்கஇலக்கியங்களின்தனித்தன்மைகளைவரலாற்றுடன்விளக்குதல்.இலக்கியங்களையும்அவைதொடர்பானஇலக்கியவரலாற்றையும்இணைத்துப்படித்தல்.

அலகு – 1 அகஇலக்கியங்கள்

1.	குறுந்தொகை	-	125, 129, 177, 302, 397	(நெய்தல்)
2.	நற்றிணை	-	206, 217, 304, 334, 382	(குறிஞ்சி)
3.	ஐங்குறுநூறு	-	17, 18, 71, 75, 96,	(மருதம்)
4.	அகநானூறு	-	147, 303, 370	(பாலை)
5.	கலித்தொகை	-	104, 105	(முல்லை)

அலகு - 2புறஇலக்கியங்கள்

1.	புறநானூறு	-	பெண்பாற்புலவர்கள் 76, 83, 133, 146, 178, 188, 227, 261, 264, 278

அலகு - 3பத்துப்பாட்டு

1. நெடுநெல்வாடை

அலகு - 4சங்கஇலக்கியவரலாறு

தொல்காப்பியம் - சங்ககாலம் - முற்சங்கங்கள் - பாட்டும்தொகையும் - தொகுப்புமுறை - தனித்தன்மைகள்.

அலகு - 5பயன்பாட்டுத்தமிழும்செம்மொழிவரலாறும்

மொழிவிளக்கம் - மொழிக்குடும்பங்கள் - உலகச்செம்மொழிகள் - இந்தியச்செம்மொழிகள் - செம்மொழித்தகுதிகள் - வரையறைகள் - வாழும்செம்மொழித்தமிழ் - தமிழின்தொன்மை - தமிழின்சிறப்புக்கள் - தமிழ்ச்செம்மொழிநூல்கள் - தமிழ்செம்மொழிஅறிந்தேற்பு - பரிதிமாற்கலைஞர்முதல்தற்காலஅறிஞர்கள்வரை (அறிஞர்கள் - அமைப்புகள் - நிறுவனங்கள் - இயக்கங்கள்தொடர்முயற்சிகள் - அறப்பேராட்டங்கள் - உலகத்தமிழ்ச்செம்மொழிமாநாடு, கோவை-2010)

அலகு–6

(மாணவர்கள்அறிந்துகொள்வதற்குமட்டும் – தேர்வுக்கானபகுதிஅல்ல)

பண்டையதமிழ்மரபுகளையும்சமூகஅமைப்புகளையும்விளக்குதல்,
தமிழ்மொழியில்தனித்துவத்தையும்செம்மொழிஇயல்புகளையும்சங்கஇலக்கியங்களின்துணைக்கொண்டுவிளக்குதல். சங்கப்பனுவல்களில்பொதுமைத்தன்மையையும்அவற்றின்சிறப்பியல்புகளையும்விளக்குதல்.

பாடநூல் :

1. சு.வே.சுப்பிரமணியன் (ப.ஆ) - குறுந்தொகை, நற்றினை, ஐங்குறுநூறு, “ அகநானூறு, கலித்தொகை, மணிவாசகர்பதிப்பகம், சென்னை இரண்டாம்பதிப்பு -2011
2. சு.வே.சுப்பிரமணியன் (ப.ஆ) - புறநானூறு, மணிவாசகர்பதிப்பகம், சென்னை இரண்டாம்பதிப்பு -2011
3. சு.வே.சுப்பிரமணியன் (ப.ஆ) - பத்துப்பாட்டு (நெடுநல்வாடை) மணிவாசகர்பதிப்பகம், சென்னை இரண்டாம்பதிப்பு -2011
4. தெ.பொ.மீனாட்சிசுந்தரம் - சங்கமொழிவரலாறு நியூசெஞ்சரி, புத்தகநிலையம் முதற்பதிப்பு -2018
5. மணவைமுஸ்தபா - செம்மொழிஉள்ளும்புறமும் சீதைபதிப்பகம், சென்னை முதற்பதிப்பு -2010
6. சு.வே.சுப்பிரமணியன் - சங்கஇலக்கியம் மணிவாசகர்பதிப்பகம், சென்னை இரண்டாம்பதிப்பு -2011
7. மு.வரதராசன் - தமிழ்இலக்கியவரலாறு, சாகித்தியஅகாதெமிவெளியீடு, புதுதில்லி மூன்றாம்பதிப்பு- 2015

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2			3				2			3	2			S
CO2	3	2								3		2			
CO3		2									1			1	2

Semester-IV 19IENGC42: English Through Literature IV: Short Story

Credits: 3
Hours: 3

Learning Objective (LO):

By introducing the course, it is intended to:

LO1: Develop the communicative competence of learners in the English Language through
training them in the skills of listening, speaking, reading, and writing

LO2: Enable the students to know about the origin and development of short story

LO3: Write objectively, avoiding vagueness, prejudice, and exaggeration

LO4: Enable the learner to function through the written mode of English language in all situations including classroom, library, laboratory etc

LO5: Discover an author's purpose, and draw conclusions about certain events, evaluating cause and effect, and understanding point of view

Course Outcomes

At the end of the course, the student will be able to:

CO1: Use more vocabularies while writing
CO2: Ensure about the history and development
CO3: Develop a flow in writing
CO4: Come up with new ideas while reading stories from different perspectives
CO5: Write in a style appropriate for communicative purposes

Unit I

1. O' Henry — "The Gift of The Magi"
2. Ken Liu — "The Paper Menagerie"

Grammar — Synonyms and Antonyms

Unit II

1. Flora Annie Steel — "Valiant Vicky"
2. Oscar Wilde — "Happy Prince"

Grammar — Words often confused

Unit III

1. R. K. Narayan — "The Martyr's Corner"
2. Mahasweta Devi — "Draupati"

Grammar — Paragraph-Writing

Unit IV

1. Leo Tolstoy — "How much Land Does a Man Need?"
2. Somerset Maugham — "The Verger"

Grammar — Letter-Writing

Unit V

1. Langston Hughes — "On the Road"
2. Premchand — "Bakthi Marg"

Grammar — Precis-Writing

Supplementary Reading:

1. Srinivasa Iyengar, K.R. *Indian Writing in English*. Sterling Publ., 1996.
2. Swan, Michael. *Practical English Usage:* Oxford University Press, 2016.
3. Palmer, Frank Robert. *Grammar: (by) Frank Palmer*. Penguin Books, 1975.
4. Browns, Julie, ed., *Ethnicity and the American Short Story*. Garland, 1997.
5. *Patea, Viorica, ed., Short Story Theories: A Twenty-First-Century Perspective.* Rodopi, 2012.

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3			3			3	3		3	3	3			3	3
CO2	2			3			3	3		3	3	3			3	3

CO3	3			2			2	2		2	2	2			2	2
CO4	3			3			3	3		3	3	3			3	3
CO5	1			2			2	2		2	2	1			1	2

Semester- IV **19IECOC43: Money and Banking** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To equip the students with basic theories of Money and Banking
2. To make the students understand the role of financial institutions in a developing economy
3. To educate the students to understand the working of inflation policies in India

Course Outcomes

At the end of course, the students will be able to

CO1: Understand evolution and the functions of money

CO2: Formulate the strategies for effective functioning of policies for demand and supply of money

CO3: Appreciate the role of monetary policy in controlling inflation

CO4: Evaluate the priority lending business of commercial banks

CO5: Appreciate the role of public sector banks as banker to government

CO6: Perceive the importance of commercial banks on economic progress

Unit-1 Introduction

Money-Evolution-Function-classification-Gresham's Law-Role of Money in a capitalist, Socialist and mixed Economy-Monetary standard.

Unit–2 Theory of Money

Value of money- Index numbers- Evolution of the quality theory of money-Fisher's equation- Cambridge Equation

Unit–3 Supply and Demand for Money

Factors Influencing Money Supply-Measurement-Functions of Money Supply-Classical and Modern view of Demand for money- transaction demand for money.

Unit–4 Inflation

Inflation-Causes-types-remedies-Inflationary gap-concept of deflation-stagflation-trade cycle phases of trade cycle.

Unit–5 Banking

Commercial banking-functions-credit creations-role of commercial banks in Economic Development-RBI- Objectives and functions-Credit Control Methods**.**

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Keith Bain and Peter Howells, Monetary Economics: Policy and its Theoretical Basis, Palgrave,2003

Supplementary Readings

1. Ashima Goyal, History of Monetary Policy in India since Independence, Springer India 2014

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1		2	2									2				2	2		
CO2	3				3				2						3	2	2	3	
CO3	3				3				2						3	2	2		
CO4	3	2	2		3				2				1		3	2	2		
CO5	3		2	1					2					1	3	2	2		

Semester- IV **19IECOC44: Development Economics** **Credits:4**

Hours: 60

Learning Objectives (LO):

The students will be introduced to the economic way of reasoning about economic progress and to traditional and contemporary thinking about the central issues pertinent to poor economics.

Course Outcomes

At the end of course, the students will be able to

CO1 Identify the characteristics of economies at different levels of development
CO2 Evaluate the development performance of economies from the perspective of alternate development indicators.
CO3 Analyse alternate theories of development and apply them to understand the constraints facing poor economies
CO4 Measure the extent of poverty and inequality and how they are linked to the development process
CO5 Explain the contribution of human capital to economic development
CO6 Appreciate the role of the different sectors of the economy for the economic progress of poor economies
CO7 Understand the various dimensions of rural economies in the developing countries
CO8 Analyse the role of institutions in economic development
CO9 Evaluate policies formulated by multilateral institutions and governments to promote development

Unit – 1: Introduction

1. Conceptualizing development: (a) GNP) as development indicator (b) Sen's capabilities approach to development: (c) The Human Development Index.
2. The structural characteristics of developing economies
3. Factors of development: (a) Capital accumulation (b) Labour (c) Natural resources (d) Technological Progress (e) Social institutions cultural values and entrepreneurial ability.

Unit –2: Theories of Development

1. Development as growth: (a) Harrod-Doman model (b) Rostow's stages of growth theory (c) Lewis theory (d) balanced and unbalanced growth (e) Neo classical growth theory –Solow Model
2. Contemporary theory of development: (a) New growth theory: Romer model (b) Underdevelopment as Co-ordination failure (c) Kremer's O-Ring theory of development
3. Geography and development: Krugman's theory

Unit – 3 : Poverty, Inequality and Human Capital

1. Measurement of inequality and poverty-Inverted – (a) U hypothesis –(b) Causes of inequality (c) remedies
2. Investing in education and health-(a) the human capital approach- (b) Women's education and development
3. Health system in development –(a)health and productivity –(b)Gender perspective in health care.

UNIT – 4: Agriculture and Rural Development

1. The role of agriculture in development
2. Agricultural policy : (a) agricultural taxation (b) pricing policy
3. Rural urban migration –(a) Todaro model –(b) Rural credit markets (c) Providers and characteristics

Unit- 5: Policies for development

1. The role of state in development- market failure, state failure and development, MDGs &SDGs
2. Trade Policy in development : (a) import substitution (b) export promotion
3. Fiscal policy for development: (a) direct Vs indirect taxes (b) pattern and level of taxation.

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings:

1. Todaro M.P. and Smith S.C (2017) , Economic Development, Pearson Education, Singapore , Indian Education services Pvt Ltd.
2. Richard Peet and Elaine Hart wick, (2017), Theories of Development, New York Publications.

Supplementary Readings:

1. Debraj Ray (2011) Development Economics, New Delhi, Oxford University Press
2. Development Economics videos in Marginal Revolution University www.mru.org

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3		2		3	3		1	2	2	3		1	1	3	2	2		
CO2	3	2			3			1	2	2				1		2	2		
CO3	3		2	1	3	3	1		2	2				1	3	2		3	
CO4	3		2	1	3	3	1		2	2	3		1		3	2	2	3	2
CO5	3		2		3		1		2				1		3	2	2	3	

Semester- IV **19IECOA45: Principles of Public Administration** **Credits:3 Hours: 45**

Learning Objectives (LO):

Administration is considered as essential machinery through which every government delivers its service to citizens properly. This paper examines various concepts, theories and issues that are affecting the working of Administration.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the significance of Public Administration
CO2: Appreciate theories of organizational behaviour
CO3: Examine the issues in Indian Administration
CO4: Evaluate the units of Organisations
CO5: Analyse the contemporary Public Administration models

Unit-1: Introduction

Meaning and Significance of Public Administration - Public and Private Administration – Development Administration –Approaches to the study of Public Administration

Unit-2: Concepts

Bases of Organisation –Units of Organization: Line, Staff and Auxiliary Agencies – Participative Management: R.Likert and C.Argyris

Unit-3: Theories of Organisational Behaviour

Douglas McGregor's Theory X and Theory Y - Alderfer's ERG Theory – Expectancy Theory – Reinforcement Theory - Equity Theory – Fielder's Contingency Model- Path-Goal Theory of Leadership

Unit-4: Contemporary Public Administration

Organisation and Methods (O&M) – Models of Governance – Administrative Law – Delegated Legislation – Capacity Building – Post Modernist Public Administration

Unit-5: Issues in Indian Administration

Administrative Reforms- Values in Public Service –Problems of Administration in Coalition regimes - Politicians and Permanent Executives relationship- Citizen – Administration Interface- Corruption and Administration –Disaster Management

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings:

1. Rumki Basu, 2016Public Administration: Concepts And Theories, New Delhi: Sterling Publishers Pvt. Ltd,
2. Bidyut Chakrabarty, 2013Public administration: a reader, New Delhi: Oxford University Press,
3. Avasthi and S.R.Maheshwari, 2006Public Administration, Agra: Lakshmi Narain Agrwal,

Supplementary Readings:

1. White, D. Leonard, Introduction to the study of Public Administration, New Delhi: Eurasia Publishing House (p) Ltd.
2. Bhambhri, Administrators in Changing Society, Bureaucracy and Politics in India: New Delhi: Vikas, 1971.
3. Nigro, A.Felix Modern Public Administration, New York: Harper and Row Publishers, 1980

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3												1	1	3			3	
CO2	3	2	2	1	3				2				1	1	3		2		
CO3	3		2	1	3	3	1		2	2			1		3		2		
CO4	3	2			3	3	1	1	2						3		2		2
CO5	3			1	3	3						2			3		2	3	2

WITH COURAGE AND FAITH

Semester- IV **19IECOA46: Principles of Population Sciences** **Credits:3**
Hours: 45

Learning Objective: (LO):

To make the students understand Population structure, Population growth and Distribution and appreciate the population policy in India.

Course Outcomes

At the end of course, the students will be able to

CO1: Help the learners to understand the population information and population structure

CO2: Understand how births, deaths and migration affect population change.

CO3: Praise the population policy of India (2000) and suggest the population policy for future as well

CO4: Appreciate the Population PYRAMID and the age and sex structure of the population

CO5: Analyse the dynamics of population and the factors affecting the fertility, mortality and migration

Unit-1 Introduction

Population Studies: Nature and scope, Concepts and Definitions, Population Studies and Demography, Development of population Studies in World and India, Inter relationship between population studies and other disciplines.

Sources of Population Data: Population Census-History of Census Taking in India, Vital, Civil Registration in India-Historical Background, Sample Surveys-Important Demographic Sample Surveys conducted in India. Dual Reporting System, Population Registers and International Publications.

Unit-2 Population Growth and Distribution

Population Growth: World, Developing and Developed countries. India's Population Growth-Trends and differentials in state and union territories, Factors Responsible for Rapid Population increase in India, Current Population situation and Future Prospects, Population Distribution among developed and developing regions of the world, factors affecting Population distribution of India, Basic measures of population distribution.

Unit-3 Population Structure and Characteristics

Sex and Age Structure: Sex and Age Structure of various countries, Population PYRAMID, Factors affecting Age and Sex Structure of Population, Aging population, Marital status classification of population, Literacy and Educational attainment: Definition, Source of Data Measures used to study Literature, Religious classification of population.

Unit-4 Population Dynamics

Fertility: Terms and Concepts, Factors affecting Fertility: Physiological factors, Social and Cultural factors, Proximate determinants of Fertility, Sources Fertility data, Basic measures of Fertility.

Mortality: Importance of the study, Terms and Concepts Data Sources and limitations, Factors important in the analysis of mortality, Measures of mortality, infant childhood and Maternal Mortality, Components of infant mortality, Levels and Trends and Mortality rates, Global HIV/AIDS Epidemic**.**

Migration: Importance of the study, Concepts and Definitions, Internal and International migration, Sources of Migration data, Measures of migration: Direct and Indirect methods, Everett Lee's Conceptual Framework for Migration analysis.

Unit-5 Population Policy

Concepts and Definition, Types of population Policies, Mortality, Fertility and Migration influencing Policies, World Population Plan of Action, Millennium Development Goals (MDGs),India's Population Policy, Family Planning Programme under various Five Year Plan Periods, Approaches to Family Planning Programme, Reproductive and Child Health Approach, National Population Policy 2000.

Unit- 6 Current Streams of Thought
The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings:

1. Bhende Asha,A and Tara Kanitkar,2016 Principles of Population studies, Mumbai Himalaya Publishing House.
2. Bogue,Donald J.,(1989) Principles of Demography, New York: John Whiley and Sons
3. Baskar D.Misra.,An introduction to the Study of Population, Madras: South Asian Publishers Pvt.Ltd.1980.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3	3			2	2			1		3	2	2	3	
CO2	3	2	2		3				2						3	2	2	3	2
CO3	3								2				1		3		2	3	2
CO4	3				3	3			2	2					3	2	2		2
CO5	3	2		1	3				2						3	2	2		

Semester- IV **19IECOE47: Resource Economics [DE-3]** **Credits:3 Hours: 45**

Learning Objective: (LO):
To introduce students to the economic way of thinking about natural resource management

At the completion of the course students will enable to

CO1: Understand the economic roots of depletion of renewable resources and suggest policies for sustainable management

CO2: Understand the optimum extraction and allocation of non-renewable resources

CO3: Measure the extent of resource scarcity for decision making

CO4: Appreciate the economic importance of biodiversity and understand the economic causes for biodiversity decline

CO5: Measure the economic value of natural resources

Unit-1 Economics of Renewable Resources: Forests and Fishery

1.1 Conceptualizing renewable resources
1.2 Forests: Economic theories of deforestation ; forest management for timber and non-timber value
1.3 Management of fishery: maximum sustainable yield

unit-2 Management of Common Resources

2.1 Distinction between common property resources and open access resources
2.2 Depletion of common property resources: "Tragedy of the commons"
2.3 Management of open access resources: Ostrom's principle

Unit-3 Economics of Non-Renewable Resources

3.1 Conceptualizing and categorization of non- renewable resources: McKelvey classification
3.2 Efficient resource extraction: Hotelling rule
3.3 Resource scarcity: economic measurement of scarcity, types of resource scarcity
3.4 Optimal resource cycling

Unit-4 Economics of Biodiversity

4.1 Economic importance of biodiversity
4.2 Causes of biodiversity loss: market failure and government failure
4.3 Economic principles for species preservation

Unit-5 Valuation of Environmental Resources

5.1 Importance of monetary valuation of environmental resources
5.2 Classification of environmental value
5.3 Techniques of environmental valuation: contingent valuation methods, travel cost method, hedonic pricing

Unit-6 Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examinaion

Principal Readings

1. Environmental and Natural Resource Economics by Jonathan M. Harris and Brian Roach (London: Routledge, 2015)

Supplementary Readings

1. Nature In The Balance: The Economics of Biodiversity by Dieter Helm and Cameron Hepburn (Oxford, Oxford University Press, 2014)
2. Environmental and Natural Resource Economics: An Encyclopedia Edited by Timothy C. Haab and John C. Whitehead (Santa Barbara, California: Greenwood, 2014)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO2	3	2	2		3	3		1	2	2	3	2	1	1	3	2	2	3	2
CO3	3	2		1		3			2		3	2	1			2	2	3	2
CO4	3	2		1	3	3	1	1	2		3	2	1	1	3	2	2	3	2
CO5	3	2		1	3	3	1	1	2		3	2	1	1	3	2	2	3	2

Semester- IV

19IECOE48: Tamilnadu Economy [DE-4]

Credits:3
Hours: 45

Learning Objectives (LO):

To understand the relevance of Economy of the State
To understand the sectoral contributions of Tamilnadu

Course Outcomes

At the end of the course the students will be able to

CO1: Understand the geographical feature and natural resources of Tamil Nadu Economy

CO2: Formulate the human development indicators and relevance to the economy
CO3: Appreciate the growth and development planning in Tamil Nadu
CO4: Evaluate the structure and growth of the agricultural and industrial sector
CO5: Demonstrate the development of service sector in the economy

Unit-1 Introduction

Meaning of regional economy -geographical features-natural resources. Land, forest, fisheries and minerals-relevance of regional economics.

Unit- 2 Human Capital

Human Resources in Tamilnadu- Analysis of 2011 Census: Size, growth , density, occupation pattern, sex ratio , fertility rate- education and health, nutrition – water supply, housing and slums – evaluation of poverty alleviation programmes in Tamilnadu

Unit-3 Planning

Planning and development in Tamilnadu- Trend and composition of SDP- PCI – Sectoral composition – Infrastructure development in Tamilnadu

Unit-4 Agriculture and Industry

Agriculture growth in Tamilnadu-Cropping pattern- Agricultural Productivity – Agricultural policy- Agricultural marketing.
Growth of Industry-Changes in Industrial structure –Large Scale and Small Scale Industries-Industrial finance in Tamilnadu

Unit-5 Service Sectors

Trends in Energy Sector –Power as a bottle neck in development-Transport and communication sector- banking sectors

Unit-6 Current Streams of Thoughts

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Leonard S.J 2006 “Tamil Nadu Economy”, New Delhi: Rejiv Bero Macmillan India Limited
2. Rajalakshmi,N. 2009 “Tamil Nadu Economy”, Mumbai,’Business Publication
3. Manickam S 2006 “Tamil Nadu Inperspective” Uyrimmai Publication , Chennai

Supplementary Readings:

1. Kurian C.T. and James Joseph, 1979 Economic change I Tamil nadu; A regionally and functionally disaggregated study, allied publishers Pvt. Ltd.
2. Government of Tamil Nadu, Tamil Nadu an economic appraisal, evolution and applied research department, Chennai, Various issues
3. Madras Institute id Development Studies,1988, Tamil Nadu Economy performance and issues, oxford and IBH Publishing Co, New Delhi.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3							1		3	2	2		2
CO2	3	2		1	3	3	1	1	2	2	3	2	1		3	2	2	3	2
CO3	3	2	2	1	3	3	1	1	2	2	3		1			2	2	3	2
CO4	3			1	3	3	1	1	2		3	2			3	2	2	3	2

CO5	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2

Semester-IV **19ISSC400 Soft Skills-2: Personality Development** **Credits: 3**
Hours: 60

Learning Objectives(LO):

The objective of the course is

- **LO1:** To enhance holistic development of students and improve their personality
- **LO2:** To understand themselves and be an effective goal oriented team player
- **LO3:** To develop professionals with idealistic, practical and moral values

Course Outcomes

Upon completion of the course students will be able to

- **CO1:** Develop confidence to face the workplace and society at large
- **CO2:** Identify and kindle their inner spirit and get self motivated
- **CO3:** Understand their own strength and weakness

Unit-1 Personality (12h)

Meaning and Definition of Personality, Determinants of Personality, Characteristics of Personality, Stages of Personality Development, Personality traits.

Unit-2: Self Analysis (12h)

Self Awareness, SWOT Analysis, Attributes, Self Confidence- Importance of self confidence, Building self confidence, Methods of developing self confidence, Self Esteem

Unit-3: Attitude(12h)

Types of Attitude, Factors influencing attitude, Positive attitude, Step s to overcome challenged attitude, Developing Positive attitude and thinking.

Unit-4: Motivation (12h)

Motivation-Meaning, Needs, Factors affecting motivation, Basic theories of motivation, Intrinsic & Extrinsic Motivators, Self talk, self motivation, Achievement motivation.

Unit-5: Goal Setting (12h)

Goals – Defined, Types of goals - Short Term, Long Term, Life Time Goals, Areas and spheres of Goal Setting, SMART principle of Goal Setting, Positive affirmations in Goal Setting

Principal Readings

1. Gajendra Singh Chauhan and Sangeeta Sharma, Soft Skills: An Integrated Approach to Maximise Personality, Kindle Edition, 2015
2. B.N.Ghosh, Managing Soft Skills for Personality Development, Tata McGraw Hill Education Private Limited, 2013

Supplementary Reading

1. Shikha Kapoor, Personality Development and Soft Skills: Preparing for Tomorrow, I.K International Publishing House Pvt. Ltd., 2018
2. Elizabeth B.Hurlock, Personality Development, McGraw Hill Education, Indian Edition, 2017
3. Barun K. Mitra,Personality Development and Soft Skills, Oxford University Press, Second Edition, 2016.
4. Prashant Sharma, Soft Skills-Personality Development for Success, BPB Publications

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Semester- V **19IECOC51: Managerial Economics** **Credits:4**
Hours: 60

Learning Objectives (LO):
In this course students will
Learn about competitive strategy
Learn about price and non-price competition
Be introduced with strategies for firm growth

Course Outcomes
At the end of course, the students will be able to

CO1 Analyse alternate perspectives on the goals of a firm
CO2 Evaluate alternate price strategies
CO3 Understand strategies for attaining competitive advantage
CO4 Explain how firms grow
CO5 Analyse the relative effectiveness of price and non-price strategies
CO6 Estimate returns on investment.

Unit-1 Managerial Objectives of the Firm

1. Objectives of the firm-profit maximization model-limitations
2. Managerial discretion models of the firm: (a) Sales revenue- maximizing model (Baumol), (b) Managerial-utility-maximizing model (Williamson), (c) Marris model.
3. Behavioral model to the firm : (a) " Satisfying" model (Herbert Simon) (b) X-Inefficiency theory (Liebenstein)

Unit-2 Competitive Advantage

1. "Structure conduct – Performance" theory
2. "Generic strategies" for competitive advantage (Michal porter)
3. The "five forces "model of competition
4. Economies of scale and economies of scope

Unit-3 Pricing Strategies and Non Price Competition

1. Price discrimination : First degree, Second degree and third degree price discrimination
2. Approaches to Pricing: (a) Cost-plus pricing (b) target return pricing (c) product life cycle pricing: skimming strategy, penetration strategy
3. Non-price competition: (a) Determinants of advertising elasticity of demand b) advertising budgets

Unit-4 Growth of the Firm

1. Growth through diversification
2. Growth through vertical linkages
3. Mergers and takeovers
4. Growth through innovation

Unit-5 Investment Appraisal

1. The investment selection process
2. Estimating cash flows
3. Evaluating Investment: (a) payback method (b) net present value method
4. The cost of capital (a) dividend valuation model (b) Capital –asset pricing model

Unit-6 Current Streams of Thought
The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Managerial Economics by Howard Davis(London : Pitman,1990)

2. Business Economics: A Contemporary Approach by Peter Earl and Tim Wakely (Berkshire: McGraw Hill, 2005)

Supplementary Reading

1. The New Managerial Economics(Indian Adaptation Edition**) by** William Boyes (New Delhi Biztantra, 2006)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3		2		3									1	3	2	2		
CO2	3	2	2		3	3			2					1	3		2	3	
CO3	3	2			3				2				1	1	3	2	2	3	
CO4	3	2	2		3								1		3		2	3	
CO5	3	2	2	1	3								1			2	2	3	

Semester- V **19IECOC52: Basic Econometrics** **Credits:5**
Hours: 75

(Resolved that in Quantitative Papers, at least 50 percentages of Questions must be asked to solve problems in view of increasing Numerical and application skills)

Learning Objectives (LO):

1. To provide elementary ideas of econometrics
2. To enable the students to understand econometric methods

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the methodology of econometrics and its limitations

CO2: Demonstrate the estimation and evaluation procedures of SLRM and MLRM

CO3: Appreciate different functional forms of regression in economics

CO4: Understand the different problems of Regression model

CO5: Make use of basic econometric models in any kind of academic work

CO6: Know the interpretation and meaning of various measures of econometric estimation

CO7: Become a critical reader of literature concerning empirical analyses

Unit-1 Introduction to Econometrics

1. Nature and scope of Econometrics – Mathematical Economics versus Econometrics – Desirable properties of an Econometric model – Time-series and cross-section data.
2. Phases of Econometric research – Specification, estimation, evaluation and application.

Unit -2 The Simple Linear Regression Model

1. OLS method of estimating a SLRM – Equation error – Assumptions – Normal Equations.
2. Statistical significance and application of an estimated model [simple problems].

Unit –3 The Multiple Linear Regression Model

1. Model with two explanatory variables – Classical normal assumptions – OLS method of estimation – Normal equations.
2. R^2 and adjusted R^2 – Partial correlation coefficients – Testing the significance of estimators – Prediction solving problems using intermediate results.

3. Multicollinearity problem of estimation – Meaning, sources, consequences, tests and remedial measures.

Unit –4 Problems in Regression

1. Heteroscedasticity – Meaning, sources, consequences, tests and solutions.
2. Auto-correlation – Meaning, sources, consequences, tests and solutions.
3. Specification errors – Types and consequences – Measurement errors – Types and solutions.

Unit –5 Functional Forms of Regression

1. Functional Forms of Regression: Specification-choice of functional form
2. Estimation of non-linear models: Quadratic-Hyperbolic-Semi logarithmic and Double logarithmic models
3. Testing for non-linearity – Testing the stability of regression coefficients [simple problems with intermediate results]

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Gujarathi, D.N. (2012). Text Book of Econometrics [McGraw-Hill, New Delhi]
2. Koutsyiannis, A. (2002). Theory of Econometrics[MacMillan, London]
3. Madnani, G.M.K. (2009). Introduction to Econometrics [Oxford IBH Pub. Co., New Delhi]

Supplementary Reading

1. Klein, L.R. (2001). An Introduction to Econometrics [Prentice Hall, New Delhi]
2. Lange, O. (2001). An Introduction to Econometrics [MacMillan, New York]
3. Madalla, G. (2006). Econometric Methods [McGraw-Hill, New Delhi]

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3			1						1	3	2			2
CO2	3	2	2		3			1						1	3	2			2
CO3	3	2	2		3			1					1	1	3	2			2
CO4	3	2	2		3			1						1	3	2		3	2
CO5	3	2	2		3			1					1	1	3	2		3	2

Semester- V **19IECOC53: Rural Development** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To teach the students various issues of rural development
2. To understand the rural problems and evaluate the rural development programmes.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand different aspects of rural development
CO2: Obtain a holistic perspective of schemes / programmes that are implemented.
CO3: Formulate planning and management of rural development programmes

CO4: Evaluate development programs that are implemented

CO5: Evaluate Regional Planning and Policy implications

CO6: Evaluate the environmental policy

Unit-1: Introduction and approaches to rural development

1. Meaning and definition of development, Rural development, Rural areas
2. Importance and scope of rural development, Features of rural Economy
3. Indicators and determinants of Rural development
4. Approaches to rural development – an historical perspective

Unit-2: Issues in Developing Rural Areas

1. Rural poverty, rural unemployment, rural housing, rural sanitation, regional disparity
2. Dimensions of low level of human resource development
3. Agriculture: Economic structure of rural India - Dimensions of rural employment – farm and non-farm employment
4. Rural Industrialisation : small scale, cottage and village industries – Khadi and Village Industries Commission(KVIC)

Unit-3: Institutions and Organisation

1. Government organisations: Panchayati Raj Institutions and co-operatives
2. NGOs / voluntary agencies – people's participation – Self Help Groups – Micro Finance
3. Social and welfare organisations – Role of corporate sector in Rural Development

Unit-4: Strategies for Rural development

1. Trickle down and trickle up theories for development - Levels and functions of planning – Decentralisation of planning – methodology of micro level planning
2. Administrative setup and function of State institute of rural development, District Rural Development Agency, Block Development Office.
3. Rural Development Programmes, Implementation monitoring an evaluation.

Unit-5: Rural Development Policies

1. Need for rural development policy – goals – rural development policies in India
2. Rural Health care policy, Technology development policy, National forest policy, Land reform policy, National Water policy, Agricultural price policy, rural Credit policy, national Agricultural policy
3. National policy in co-operatives, fisheries development – environmental policy

Principal Reading

1. Singh K (2016). Rural Development Principles, Policies and Management (Sage Publications, New Delhi)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1					3	3	1	1	2		3		1		3				
CO2	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO3	3	2	2	1	3	3	1	1	2	2	3	2			3	2	2	3	2
CO4	3	2	2	1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO5	3	2	2	1	3	3	1	1	2		3	2	1		3	2	2	3	2

Semester- V | **19IECOE54: Industrial Economics [DE-5]** | **Credits:4 Hours: 60**

Learning Objectives (LO):

1. To make the students understand the role of industries and corporate form of organization
2. To gain the knowledge of the new industrial policy and some issues in industry

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the basic concepts and pricing of industrial output
CO2: Understand the industrial structure and organisation
CO3: Appreciate the industrial location and development
CO4: Analyse the industrial finance and productivity
CO5: Evaluate the policy instruments of industrial activity

Unit – 1: Introduction

Meaning of Industrialization - Role of Industry in Economic Development - Theories of Industry: Hoffman, Chenery and Gerschenkron.

Unit – 2: Industrial Organisation

Concept and Organisation of a Firm - Market Structure - Sellers Concentration - Product Differentiation - Entry Conditions - Economics of Scale - Profitability and Innovation.

Unit – 3: Theories of Industrial Location

Theories of Industrial Location: Weber, Sargant Florence - Factors Affecting Location.

Unit – 4: Growth of the Firm

Growth of the Firm - Size and Growth - Growth and Profitability of the Firm - Constraints on Growth - Productivity - Efficiency - Capacity Utilisation: Concept - Measurement.

Unit – 5: Issues of Industrial Sector

Classification of Industries - Industrial Policy in India - Role of Public and Private Sectors- India as a Global Hub - Transfer of Technology - LPG - MSME - Recent Central Government Initiative to Encourage Industrial Sector.

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Barthwan R.R (2016)Industrial Economics ,New Age International Publication, New Delhi
2. Sivayya K.V and Das. V (2016) Indian Industrial Economy S.Chandan Company New Delhi

Supplementary Reading

1. Smith, D.M. (1971), Industrial Location: An Economic and Geographic Analysis, John Wiley, New York.
2. Clarke, Roger (1985), Industrial Economics, Basil Blackwell, New York.
3. Ahluwalia, I. J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
4. Barthwal, R.R. (1995), Industrial Economics, New Age International, New Delhi.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3	1		2		3				3	2	2	3	
CO2	3					3	1	1	2				1	1		2	2	3	
CO3	3	2			3	3	1		2				1		3	2	2	3	2
CO4	3	2							2		3				3	2	2	3	
CO5	3	2			3		1						1		3		2	3	

Semester- V

19IECOE55: Energy Economics [DE-6]

Credits:4
Hours: 60

Learning Objectives (LO):

1. To impart knowledge of issues of energy to the students
2. To make the students to understand the energy demand, supplying and pricing of energy economics.

Course Outcomes

At the end of course, the students will be able to

CO1 Understand the link between energy and economic activity
CO2 Analyse the types of energy from an economic perspective
CO3 Understand the determinants of energy demand and supply
CO4 Evaluate policies for managing demand for and supply of energy
CO5 Evaluate different energy pricing policies
CO6 Examine the economic feasibility of promoting renewable sources of energy

Unit –1Introduction

1. Types of energy
2. The importance of energy for the economy
3. Energy accounting: energy-commodity flow

Unit – 2 Energy Demand Analyses

1. Three-stage decision-making process for energy
2. Energy demand elasticity
3. Energy intensities
4. Energy demand analysis model MAED model, NEMS approach

Unit – 3 Energy Demand Management

1. Importance of demand side management
2. Load management
3. Energy conservation
4. Fuel substitution

Unit – 4 Energy Supply

1. Mckelvey Classification of non-renewable energy resources
2. Extraction of non-renewable energy resources: Hotelling model
3. Renewable electricity supply, characteristics, incentives for renewable electricity: Feed in tariffs, renewable obligations
4. Costs of bio-ethanol supply

Unit – 5 Pricing of Energy Resources

1. Average cost pricing
2. Marginal cost pricing

3. Peak load pricing
4. Pricing of oil and natural gas

Unit-6 Current Streams of Thought
The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Bhattacharya S.C (2019 2nd edition)Energy Economics, Concepts, Issues, Markets and Governance by (London: Springer- Verlag
2. Peter Z 2019 “Energy Economics” Springer London

Supplementary Reading

Ferdinand E 2015 Energy and Economic Theory Uppsala University Sweden

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2			3						2	1	1	3				2
CO2	3	2		1			1								3	2			
CO3		2				3					3					2	2		2
CO4			2	1		3		1				2					2	3	2
CO5	3				3	3	1				3					2	2	3	

Semester V **19ISSC500 Soft Skills-3: Time and Stress Management** **Credits: 3** **Hours: 45**

Learning Objectives (LO):
LO1: To insist the importance of time management
LO2: To define and prioritize tasks that aid in managing time and stress
LO3: To understand the relationship between Time Management and Stress Management

Course Outcomes
Upon completion of the course students will be able to
CO1: Understand the importance of time management in personal life and career
CO2: Prioritize, schedule and monitor their work and be conscious in their behavior
CO3: Demonstrate methods for managing projects and commitments without stress

Unit-1Time Management – an Overview (12h)
Concept of Time: Nature and Characteristics, Principles of Time Management, objectives and significance, Recognizing the Importance of Time, Managing yourself, Dealing with other people Your time, Getting Results.

Unit-2Planning and Scheduling (12h)
Benefits of Planning, Guidelines and Tools for Efficient Planning, The Difference Between, Planning and Scheduling. Methods of making scheduling, techniques in scheduling, making to-do list in scheduling.

Unit-3Time Management Strategies (12h)
Identifying and Eliminating Time Wasters, Methods for Managing Time Efficiently, Productive Work, Busy vs. Productive, Indecision & Delay, Overwork, Urgency V’s Importance, Prioritization, Priority Matrix

Unit-4Stress (12h)

Stress – Meaning and Definition, Burnout, Types and Causes of Stress, Job Stress – causes & effects, Personality type and Stress, Symptoms of Stress, Impact of Stress on Human Health.

Unit-5Stress Management (12h)

Relationship between Time Management and Stress Management, Overcoming Stress, Tools for identifying and managing Stress, Stress Management Strategies and Techniques

Principal Readings

1. Vijay Agarwal, Time Management for Students, Benten Books, 2009
2. Sudhir Dixit , Time Management: 30 Principles for the Best Utilization of Your Time", Manjul Publishing, 2018

Supplementary Reading

1. John Plante, How To Stop Procrastinating: A Handy Guide To Get The Momentum You Need To Achieve What You Need Now, Kindle Edition, 2014
2. Brian Tracy, Master Your Time, Master Your Life, Penguin Publishing Group, 2016.
3. Cal Newport, Deep Work: Rules for Focused Success in a Distracted World, Grand Central Publishing, 2016.
4. Robert W. Bly, Make Every Second Count: Time Management Tips And Techniques For More Success With Less Stress, Rupa Publications India, 2017.

Semester- VI **19IECOC61: International Economics** **Credits:5**
Hours: 75

Learning Objectives (LO)

1. To familiarise the students with the postulates of trade theories and modern institutions.
2. To develop analytical skill of the students for identifying international economic problems and relations and the complexities in international trade.

Course Outcomes

At the end of course, the students will be able to

CO1 Evaluate the alternate theories of international trade
CO2 Analyse the efficacy of monetary and fiscal policies in the context of a globally integrated economy
CO3 Critically reflect on the arguments for free trade and protectionist policies
CO4 Identify the determinants of terms of trade
CO5 Understand the determinants of the economy's trade balance and the exchange rate
CO6 Analyse the rationale of regional economic integration
CO7 Understand and apply appropriate foreign exchange risk management strategies.

Unit-1 Theories of International Trade

1. Adam Smith's theory of Absolute Advantage.
2. Ricardo's Comparative Cost Theory.
3. Opportunity Cost Theory of Haberler.
4. Factor Endowment Theory of Heckscher-Ohlin.

Unit-2 Terms of Trade

1. Meaning and types of terms of trade.
2. Determinants of terms of trade.
3. Terms of trade and Economic development.

Unit-3 Trade and Commercial Policy

1. Free Trade Vs Protection.
2. Tariff and non-tariff barriers .

3. Effects of tariffs and quotas .
4. International trade organizations - UNCTAD, WTO.

Unit-4 Foreign Exchange and Balance of Payments

1. Fixed, Flexible, and Floating Exchange Rates - Theories of Exchange Rates: Mint Par Theory, Purchasing Power Parity Theory and Balance of Payments Theory
2. Balance of Trade and Balance of Payments - Current and Capital accounts
3. Adjustment Mechanism – Depreciation, Devaluation, Export Promotion, Import Substitution and Exchange Control
4. IMF and International liquidity
5. India's BOP - Devaluation and Export Promotion measures

Unit-5 Regional Economic Integration

1. Regional Economic Integration – Customs Union
2. European Economic Integration
3. New International Economic Order - North-South Co-operation - SAARC

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Cherunillam F(2004). International Economics (Tata McGraw Hill, New Delhi)
2. Paul R.Krugman and Maurice Obstfeld (2013). International Economics: Theory and Policy (Pearson, New Delhi, India)

Supplementary Reading

1. Trading for Development in the Age of Global Value Chains. World Bank, World Development Report,2020

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3	3		1	2				1	1	3	2	2		
CO2	3	2	2		3	3		1	2				1	1	3	2	2		
CO3	3	2	2		3	3		1	2				1	1	3	2	2	3	
CO4	3	2	2		3	3		1	2				1	1	3	2	2	3	
CO5	3	2	2		3	3		1	2				1	1	3	2	2	3	

Semester- VI	**19IECOC62: Public Economics - 1**	**Credits:4**
		Hours: 60

Learning Objectives (LO)

1. To make the students appreciate relative roles of Government and market in resource allocation from a theoretical perspective.
2. To teach the students the working of the fiscal policy with emphasis on tax structure, debt management in the context of federal setup

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the role of Government in Economic Activities

CO2: Appreciate the design of the tax structure using the concept of efficiency and equity

CO3: Appreciate the underlying principle of public expenditure

CO4: Evaluate the dimensions of public debt and deficit

CO5: Appreciate the financial relationship between the state and centre

Unit 1

1.1 Importance of Public finance

1.2 Fiscal functions
- A. Allocation function
- B. Distribution function
- C. Stabilisation function

1.3 Government intervention in the economy
- A. Reasons for government intervention
- B. Methods of government intervention
- C. Effects of government intervention

UNIT – II: Public goods and Externalities

2.1 Private goods
- A. Characteristics of private goods
- B. Provision of private goods

2.2 Public goods
- A. characteristics of public goods
- B. market failure in provision of public goods
- C. Government provision of public goo

2.3 Merit goods

2.4 Externalities
- A. Definition of externalities
- B. Market failure and externalities
- C. Government's role in correcting externalities

Unit-3: Economics of Taxation-Direct Taxes

3.1 Distinction between direct and indirect taxes

3.2 Types of direct taxes
- A. Income tax
- B. Corporate tax
- C. Wealth tax
- D. consumption tax

3.3 Theories of Taxation
- A. Ability to pay principle
- B. Benefit principle

Unit-4: Economics of Taxation-Indirect taxes

4.1 types of indirect taxes (Sales Tax, VAT Service tax, Customs duty excise duty and GST)

4.2 Tax shifting: concept and determinants

4.3 Tax incidence: concept and types

Unit-5: Budget Analysis

5.1 The components of the Budget

5.2 Measuring the Budgetary position of the government

5.3 Deficits and its types, public debt

5.4 Effect of the Union Budget on the economy

5.5 Instruments and objectives of Fiscal policy

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3		2	1		3		1							3	2	2		
CO2	3		2		3			1						1	3	2	2		
CO3	3		2		3			1	2						3	2	2	3	

CO4	3	2	3	1	2	3	2	2	3
CO5	3	2	3	1	2	3	2	2	3

Semester- VI **19IECOC63: History of Economic Thought** **Credits:4**

Hours: 60

Learning Objectives (LO):

1. To teach the students contributions of various schools of economic thought.
2. To make them gain an appreciation for the Indian economic thought.

Course Outcomes

At the end of course, the students will be able to

CO1 Appreciate the importance of studying the intellectual history of economics

CO2 Appreciate economics as an evolving discipline

CO3 Understand the historical and intellectual contexts in which economic ideas were developed

CO4 Take cognisance of the influence of the pioneering schools of economic thought on contemporary economic thinking

CO5 Analyse the nature of paradigm change in economic thought

CO6 Interpret the development of economic ideas from alternate ideological perspectives

Unit – 1 Pre-Classical Thought

1. Mercantilism: Main Principles.
2. Physiocracy: Natural order – Agriculture and net product – Social classes.

Unit –2 Classical Economists and Marx

1. Adam smith – Division of labour – Theory of value– Laissez faire – Canons of Taxation.
2. Ricardo: Theory of Rent - Comparative advantage theory of trade.
3. Malthus: The Principle of population – Proposals to check population growth – Ricardo-Malthus controversy on Say's law of markets.
4. Marx-Theory of surplus value -Breakdown of the capitalist system

Unit – 3: Neo-Classical and Institutionalist Thought

1. The Marginalist revolution
2. Marshall: Time Period-Partial Equilibrium-Consumer's Surplus-Representative Firm - Significance of Marshall in the Evolution of Economics.
3. Institutional Economics: Veblen: Conspicuous Consumption – Theory of Leisure Class- The Workmanship and Predatory Instincts.

Unit – 4 Keynesian Revolution and Modern Thought

1. Keynesian Revolution
2. Schumpeter's Theory of Development;
3. New classical Economics –Rational Expectation hypothesis.

Unit – 5 Indian Economic Thought

1. Naoroji drains theory.
2. Gandhian Economics: Sarvodaya – Trusteeship – Views on Industrialisation.
3. Ambedkar – Contribution is to monetary economics.
4. Amartaya Sen's Theory of Human Well being.
5. Economic Policies in Koutalya's Arthasasthra

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. A.K.Dasgupta, A History of Indian Economic Thought, Taylor and Francis 2002
2. Agmar Sandmo (2012), Economics Evolving, Harvard University

Supplementary Reading

1. E.K. Hunt (2007), History of Economic Thought, Eastern Economy Edition, New Delhi

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3		2		3	3		1		2	3	2	1	1	3	2	2	3	
CO2	3		2		3	3		1		2	3	2	1	1	3	2	2	3	
CO3	3		2		3	3		1		2	3	2		1	3	2	2	3	
CO4	3					3					3	2			3	2	2	3	
CO5	3				3						3	2			3	2	2	3	

Semester- VI

19IECOE64: Economics of Social Issues [DE-7]

Credits:4
Hours: 60

Learning Objectives (LO):

1. To impart knowledge of basic concept of economics of social issue
2. To familiarize them with the applications of various issues of economics of social issue

Course Outcomes

At the end of the course the students will be able to

CO1 Appreciate how economics is essentially a way of thinking about society
CO2 Interpret social phenomena in terms of underlying incentives
CO2 Apply marginalist reasoning in reflecting on a range of social phenomena
CO3 Understand how economists evaluate social institutions and policies
CO4 Integrate considerations of efficiency and equity in applying the economic way of thinking
CO5 Appreciate the reach of the economic way of thinking as well as its limitations

Unit-1: Economics of Environment and Health Care

1. Environment as an economic good
2. Costs and benefits of environmental conservation
3. Demand for health and health care: “physician induced demand”

Unit-2: Economic s of Crime and Drug Addiction

1. Economic approach to crime
2. Economic perspective on crime control
3. The economic case for and against legalizing drugs

Unit-3: Family Economics

1. Resource allocation in the household
2. Children as economic goods and family size
3. Economic perspective on marriage and divorce

Unit-4: Labour Markets and Income Distribution

1. Effect of minimum wage
2. Employment effect of robotics
3. Sources of income inequality
4. Benefits and costs of inequality

Unit-5: Economics and Culture

1. The economic importance of culture
2. The economic approach to valuing culture
3. The impact of the market on cultural life; 'cost disease' of the arts and its policy implications

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings:

1. *The Logic of Life: The Rational Economics of an Irrational World* by Tim Harford (New York; Random House 2008)
2. *The Economics of Public Issues* by R.L.Miller, D.K.Benjamin and Douglas North (New York: Addison-Wesley, 2010)

Supplementary Readings:

1. *Paul. G Charles R Ansel S 2015- Economics of Social Issues, Mcgraw- Hill Higher Education- New York*
2. *Grant A 2016 Economic Analysis of Social Issues Pearson- Baker University Baidwin USA*

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2	1	3	3		1	2				1		3	2	2	3	2
CO2	3	2		1	3	3		1	2				1		3	2	2	3	2
CO3	3	2		1		3		1		2			1		3	2		3	2
CO4	3	2	2	1		3	1	1		2			1		3	2	2	3	2
CO5	3	2		1	3	3	1	1	2	2			1		3	2	2	3	2

Semester- VI

19IECOE65: Economics of Insurance [DE-8]

Credits:4
Hours: 60

Learning Objectives (LO):

1. To teach the students the importance of insurance as a means of reducing uncertainty and risk in regard to personal and business activities.
2. To give a fairly comprehensive view of the subject to the postgraduate students in Economics.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the concept and role of insurance in Economic Development

CO2: Demonstrate the insurance risk and elements of the risk management

CO3: Analyse the Insurance risk and institutional investment management

CO4: Understand the insurance type policy classification and advantages

CO5: Formulate the general rules and regulations of the insurance

Unit-1 Introduction

1. Meanings and Types of Insurance-Social Vs. Private Insurance: Life Vs. non-life Insurance
2. Classification of life, health and general insurance policies
3. Role of Insurance in Economic development

Unit-2 Risk and Risk Management

1. Uncertainty and risk : Pure risk and speculative risk-Expected utility and the demand for insurance-Moral hazard and insurance demand
2. Essentials of risk management: Elements of risk management-Risk assessment-Risk control and risk financing; Worldwide risk sharing
3. Concept of reinsurance-Types of reinsurance-Reinsurance markets in developing countries.

Unit-3 Insurance Institutions

1. Insurance institutions as financial intermediaries-Insurance institutions as investment institutions.
2. Insurance institutions in Indian capital market
3. Regulations governing investments of insurance institutions in India

Unit-4 Life and Health Insurance

1. Functions of life insurance-Plans of life insurance-Provisions of policies-Basis of premium and Bonus
2. Individual health insurance-Uses and types of evaluation
3. Principles of underwriting of life and health insurance-Group insurance and superannuation (pension) schemes

Unit-5 General Insurance and Regulation of Insurance

1. Meaning and Types of general insurance-importance of general insurance
2. Fundamentals concepts-Equity, Indemnity, Insurable interest, Physical hazard, Moral hazard, Policy endorsements conditions-warranties
3. Purpose of government intervention-Insurance Regulation and Development Authority (IRDA) in India

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examination

Principal Readings

1. Drofman, M.S.(1994) Risk and Insurance, Prentice Hall, Englewood-Cliffs.
2. Black K. Jr and H.D. Skipper Jr. (2000) Life and Health Insurance, Prentice Hall, Upper Saddle River New Jersey
3. Insurance Regulation and Development Authority (2001),IRDA Regulations New Delhi

Supplementary Reading

1. Elliot M.W.,B.L. Webb, H.N. Anderson and P.R. Kensicki (1995),Principles of Reinsurance, Insurance Institute of America, Malvern, pa
2. Williams Jr.C.A. M.L. Smith and P.C. Young (1995),Risk Management and Insurance, McGraw Hill,New York
3. Dionne, G. and S.E. Harrington (Eds.) (1997),Foundations of Insurance Economics, Kluwer Academic Publishers, Boston

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1		2	2		3								1	1	3				
CO2	3	2	2		3			1					1	1	3			3	
CO3	3	2	2		3	3		1					1	1	3			3	
CO4	3	2	2		3	3		1					1	1	3			3	
CO5	3	2	2		3								1	1	3	2		3	2

Semester- VI **19IVECO66: *Value Education*** **Credits:2**
Hours: 30

For All the 5 Year Integrated PG Programmes of Arts Faculty

Learning Objectives (LO):
To teach the students the purpose of life and to instil in them a moral concern for the society.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the importance of value education
CO2: Compare the strength of love and Moral Norm
CO3: Evaluate the moral life and Responsibility
CO4: Appreciate the value of life and Human being
CO5: Understand the ethics and culture

Unit –1

1. Value education – Meaning – Nature and Purpose
2. Importance of Value Education

Unit – 2

1. Basic Features of Rational Ethics
2. Moral Consciousness and Conscience
3. Love – The Ultimate Moral Norm

Unit – 3

1. Morality and Freedom - Human Freedom and Moral Responsibility
2. God, Religion and Morality
3. Sanction for Moral Life.

Unit – 4

1. Social Ethics: Value of Life and Human Beings
2. Liberty, Equality and Fraternity

Unit – 5

1. Ethical Issues Today: Religious Ethics, Family Ethics
2. Political Ethics - Business Ethics
3. Ethics and Culture.

Supplementary Reading

1. Heroled Titus. *Ethics of Today*. New Delhi: Eurasia Publishing House

Semester -VI **19ISSC600 Soft Skills-4: Employability Skills** **Credits: 3**
Hours: 45

Learning Objectives(LO):
LO1: To enhance the employability skills.
LO2: To develop interpersonal skills that provides good work environment.
LO3: To effectively prepare and present in a job interview.

Course Outcomes

Upon completion of the course students will be able to

CO1: Demonstrating good relationship with their peer group in the workplace
CO2: Understand the importance of leadership and improve the leadership qualities
CO3: Prepare themselves for effective performance in interviews

Unit-1 Etiquettes and Manners (12h)

Etiquette – Meaning & Importance, Etiquette Vs Manners, Business and Workplace Etiquette, Ways of introducing oneself, Handshakes, Telephone Etiquette, Email Etiquette

Unit-2 Interpersonal skills (12h)

Understand Self – Different Categories; Diagnosis of Type of Self - Identifying own type of self, Positive character traits, Effect of Interpersonal Behaviour on Interpersonal Relationship, Formal Interpersonal skills, Emotional Intelligence

Unit-3 Leadership skills (12h)

Leadership – Definition, Role & Functions of a Good Leader; Traits of Leadership, Leadership styles, Developing Leadership skills

Unit-4 Group Discussion (12h)

Group Discussion as a Selection process, Kinds of topics for discussion, Structure of GD, Initiation Techniques, Handling Questions, Outcome of GD, Preparation for GD

Unit-5 Interview Skills (12h)

Types of Interview, Employment Interview, Preparing fo Face- to face interview, Interview Body language, Questions commonly asked during Interview

Principal Readings

1. Alex K, Soft Skills, Sultan Chand Company, 2014.
2. Gopalaswamy Ramesh, The Ace Of Soft Skills: Attitude, Communication And Etiquette For Success, Pearson Education, First Edition, 2013

Supplementary Reading

1. Dr. K. Ravikanth Rao, Life Skills Education, by Neelkamal,1 Edition, 2016
2. Neera Jain and Shoma Mukherji, Effective Business Communication, Tata McGraw Hill Education Pvt. Ltd., 2013
3. M.S. Rao, Soft Skills: Enhancing Employability, I.K.International Publishing House Pvt. Ltd., 2011
4. Urmila Rai and S.M.Rai, Business Communication, Himalaya Publishing House, 2010
5. Sarvesh Gulati, Corporate Soft Skills, Rupa Publications India Pvt. Ltd., 2007

Semester- VII **19IECOC71: Advanced Microeconomics** **Credits:5 Hours: 75**

Learning Objectives (LO):

1. To equip the students in micro economic theories with graphic illustrations.
2. To develop the skills of application of the principles to the real world problems.

Course Outcomes

At the end of course, the students will be able to

CO1 Apply the basic concepts in microeconomics to study the functioning of markets
CO2 Appreciate the importance of competition in the economy
CO3 Understand the characteristics of a competitive market
CO4 Explain market structures wherein firms have market power
CO5 Evaluate policies to control market power and promote competition
CO6 Understand the rationale of the various types of goals perused by firms
CO7 Analyse alternate perspectives on income distribution
CO8 Understand the conditions for efficient resource allocation

Unit -1 Market Theories–I

1. Perfect competition – Short run and long run equilibrium of the firm and industry – Price and output determination – Optimum firm.
2. Monopoly – Short run and long run equilibrium - Price discrimination, monopoly control, and regulation – Contestable Market.
3. Monopolistic competition–Chamberlin Model- selling costs - Excess capacity.

Unit -2 Market Theories–II

1. Oligopoly – Non-collusive Models - Cournot - Bertrand – Chamberlin – Edgeworth – Sweezy - Stackelberg
2. Oligopoly - Collusive Models - Cartels and mergers - Price leadership - Base point price system
3. Monopsony – Price and output determination – Workable competition.

Unit -3 Alternative Theories of Firm

1. Duopoly price game-dominant strategy-Nash Equilibrium
2. Full cost pricing rule - Bain's limit pricing theory - Sylos-Labini Model
3. Input-output model-linear programming applications in decision making

Unit –4 Distribution Theories

1. Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; Hick's technical progress.
2. Modern theory of distribution – Factor Pricing in imperfect product and factor markets.
3. Determination of Wages – Labour supply and wage determination – Role of trade unions and collective bargaining

Unit –5 Welfare Economics

1. Concept of Welfare Economics- role of value and judgment
2. Pareto optimality theory – Scitosky double criterion theory –Arrow's theory of social choice
3. Amaryasen on Arrows impossibility theorem

Unit-6 Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations.

Principal Readings

1. Ahuja H.L (2017) *Advanced Economic Theory* (Sultan Chand Co., New Delhi).
2. Hal R. Varian (2004), *Intermediate Micro Economics* (East-West Press: New Delhi).
3. Ruffin Roy. J (1992) *Intermediate Micro Economics* (Harper & Collins Publishers-New york).
4. Sundaram K.P.M. and Vaish M.C. (2004), *Micro Economic Theory* (S.Chand)

Supplementary Reading

1. Koutsyiannis A. (1985) *Modern Micro Economics*, (Macmillan- London).
2. Salvatore, Dominick (2016), *Micro Economic Theory* (Tata Mcgraw Hill-New Delhi).

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3			1						1	3		2	3	2
CO2	3	2	2		3	3		1						1	3	2	2	3	2
CO3	3	2	2		3	3		1						1	3	2	2	3	2
CO4	3	2	2	1	3	3		1						1	3	2	2	3	2
CO5						3								1	3		2		2

Semester- VII **19IECOC72:Modern Macroeconomics** **Credits:5**
Hours: 75

Leaning Objectives (LO):
To introduce the students with the important contemporary schools in Macroeconomics.

Course Outcomes
At the end of course, the students will be able to

CO1 Understand how the important schools of macroeconomic thought explain economic fluctuations.
CO2 Evaluate macroeconomic policies from the perspective of contending macroeconomic paradigms.
CO3 Analyse alternate perspectives on the role and efficacy of the market and the state in stabilising economic activity.
CO4 Analyse the role of the Central Bank and its relationship with the government from diverse theoretical viewpoints.
CO5 Integrate the central insights of macroeconomic schools of thought for a holistic understanding of the state of the economy
CO6 Apply macroeconomic theories to reflect on Indian economic scenario.

Unit-1 Modern Keynesian Macroeconomics:
1. Central propositions of Keynesian macroeconomics
2. Mundell-Fleming model
3. Minsky's financial instability hypothesis
4. The Great Recession and the revival of Keynesian macroeconomics

Unit-2: The New Classical Macroeconomics

1. Assumptions of Rational Expectation Hypothesis
2. Policy Ineffectiveness Theorem
3. Aggregate supply hypothesis
4. Policy implications of new classical approach

Unit-3: Real Business Cycle Theory

1. Source of Productivity shocks in Real Business Cycle Theory
2. Stabilisation Policy and Unemployment
3. Role of money in Real Business Cycle Theory'.
4. Policy implications of real business cycle theory

Unit-4: New Keynesian Macroeconomics

1. Core propositions of new Keynesian macroeconomics
2. Wage and Price Rigidities
3. New Keynesian business cycle theory
4. Policy implications of new Keynesian macroeconomics

Unit-5: Austrian Macroeconomic Theory

1. Basic Principles of Austrian Economic Theory
2. Austrian Theory and Business Cycles
3. Policy Implications of Austrian Theory

Unit-6: Current Streams of Thought
The faculty will impart the current developments in the subject during semester to the students and this component will not be a part of Examinations**.**

Principal Readings

Business Cycle Economicsby Todd A. Knoop (Santa Barbara, California: Praeger)

Supplementary Reading

1. Modern Macroeconomics : Its origins, development and Current Stateby Brian Snowden and Howard R Vane (Cheltenham and Massachusetts : Edward Elagar 2005

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3				2						3	2	2	3	
CO2	3				3										3	2	2	3	
CO3					3				2							2	2	3	
CO4					3											2	2	3	
CO5																			

Semester- VII **19IECOC73: Public Economics-2** **Credits:5**

Hours: 75

Learning Objectives (LO):

1. To make the students appreciate relative roles of Government and market in resource allocation from a theoretical perspective.
2. To teach the students about the fiscal policy with emphasis on tax structure, debt management in the context of federal setup.

Course Outcome

At the end of course, the students will be able to

CO1 Appreciate the welfare concepts and importance of social choice in public finance
CO2 Understand the dimensions of pareto optimality
CO3 Reflect on the need for private provision of public goods
CO4 Analyse tax system and it's distributive effects
CO5 Appreciate dimensions of pricing public sector provisions
CO6 Evaluate the pricing methods adopted in public sector undertakings
CO7 Understand rationale of devolution in a federal setup

Unit-1: Welfare Economics

1.1 1.1 Utility function
1.2 Pareto optimality
1.3 Fundamental theorems of welfare economics
1.4 Social welfare functions
   A. Bergson Samuelson SWF
   B. Forms of SWF: utilitarian, Rawlsian and Egalitarian SWF
1.5 Social Choice theory: Arrow's Impossibility theorem

Unit-2: Theory of Public Goods

2.1 Private provision of public goods
2.2 Theory of clubs
2.3 Tiebout hypothesis
2.4 Private provision of public goods

Unit-3: Taxation Theory

3.1 Effect of tax on savings and investment behaviour
3.2 Effect of taxes on labour supply
3.3 Optimal mix of direct and indirect taxes
3.4 Tax compliance and tax evasion
3.5 Using taxation for income redistribution

Unit-4: Cost-Benefit Analysis and Public Sector pricing

3.1 Cost benefit analysis
- A. Criteria for cost benefit analysis
- B. social rate of discount
- C. shadow prices

3.2 Public sector pricing
- A. Marginal cost pricing
- B. Ramsey pricing
- C. peak load pricing
- D. pricing of joint products

Unit-5: Fiscal Federalism

5.1 Efficiency and equity in a federal economy
5.2 Local governments
- A. rationale
- B. optimal size of local governments

5.3 Grants
- A. purpose of grants
- B. types of grants
- C. Effects of grants

5.4 Tax assignment in federal system
5.5 Fiscal federalism in India

Principal Readings

1. Roshan H.S. Hayer. T. (2008) Public Finance MC Graw Hill Education, New Delhi
2. Singh S.K.(2017) , Public Finance in theory and Practice (S.Chand & Co) New Delhi

Supplementary Reading

1. Kavita Rao R. (2004). Impact of VAT Central & State Finance, EPW No :26
2. Lekha C (2008) “Analysing the Raguram Rajan Committee Report on Finance Sector Reforms” EPW 43 (25): 11-14 June -21-27.
3. Reddy Y.V. (May 2008): Fiscal Policy & Economics Reforms (NIPEP) New Delhi.
4. Shankara Acharya (2006) “30 years of Tax Reform in India” EPW (April)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1		2			3	3	1	1	2							2		3	2
CO2	3	2		1	3	3		1	2	2		2	1		3	2	2	3	2
CO3	3	2			3	3		1	2		3	2			3	2	2	3	2
CO4	3	2			3	3		1	2			2			3	2	2	3	2
CO5	3	2			3	3	1	1			3	2			3	2	2	3	2

Semester- VII **19IECOC74: Research Methodology** **Credits:4**
Hours: 60

Learning Objectives (LO)

1. To impart knowledge of conceptual research and design of research.
2. To familiarise them with the collection of data and Sampling design.

Course Outcomes

At the end of course, the students will be able to

CO1: Differentiate Research methods from Research Methodology

CO2: Evaluate the qualities of a good hypothesis

CO3: Understand the methods of primary data and secondary data

CO4: Analyse probability sampling and non-probability sampling methods

CO5: Formulate a thesis with well-organized literature review

CO6: Conduct data collection surveys

Unit-1: Introduction

1. Meaning and Objectives of research-significance of research-Research Methods Vs Methodology-scientific Method-Criteria of Good research
2. Research Problems-Components needs and technique of defining research problems
3. Types of research: Descriptive, Analytical, Fundamental, Applied, Quantitative, Qualitative, Conceptual, Empirical –Survey method, Case study method, Action Research
4. Research design: Types and Characteristics of a good research design.

Unit-2: Theory & Hypothesis

1. Role of theory in research
2. Hypothesis-Importance of a Research hypothesis- Sources of hypothesis-Qualities of a good hypothesis- Hypothesis testing.

Unit-3: **Collection of Data**

1. Methods of collecting primary data –Self Administered questionnaire -Interview Surveys-
2. Telephone Surveys- Schedules.
3. Characteristics of a good questionnaire
4. Important sources of secondary data: Census, NSS, CSO,RBI, World Bank
5. Precaution in using secondary data

Unit-4: Sampling Design

1. Types of Population-Need for sampling-criteria for relating a sampling procedure
2. Methods of selecting a sample-Probability and Non Probability sampling methods-Determination of Sample size- Characteristics of a good sample design.

Unit-5: **Mechanics of thesis writing**

1. Significance of report writing-Types of research report
2. Format of a thesis
3. Importance of organization of literature review -Bibliographical citation procedure
4. Ethics in Research

Unit-6: Current Streams of Thought

The faculty will impart the current developments in the subject during semester to the students and this component will not be a part of Examinations**.**

Principal Readings

1 Earl R.Babbie (2010) The practice of Social Research. 12th edition, Wads Worth Cengage Learning
2 Ranjit Kumar (2018) Research Methodology 4th edition Sage Publication

Supplementary Reading

1 Kothari C.R.(2004) Research Methodology, 2nd edition, New age International publications
2 R.Panneerselvam (2005), Research Methodology Prentice Gall of Private Limited, New Delhi
3 Louis Cohen, Lawrence Manion and Keith Morrison (2007)., Research methods in Education, six edition Roughage, New York

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2			3										3		2		2
CO2	3		2		3			1						1	3		2		2
CO3	3				3								1		3	2	2	3	2
CO4	3	2			3			1				2			3	2	2		2
CO5	3	2	2	1	3	3		1	2			2	1	1	3	2	2	3	2

Semester- VII **Credits:3**

19IECOE75
Urban and Regional Economics
[DE-9]

Hours: 45

Learning Objectives (LO):

The study of urban and regional economics is intended

1. To make the students understand all the dimensions of urban problems
2. To appreciate various theories of regional development.

Course Outcomes

At the end of course, the students will be able to

CO1 Appreciate the impact of location and distance on economic activity

CO2 Identify factors determining location of economic activities
CO3 Understand the role of agglomeration economies
CO4 Understand the determinants of urban land use
CO5 Apply growth theory to regional development
CO6 Know the role of government in regional and urban development in India
CO7 Understand the extent and cause of regional disparities in India.

Unit-1 Introductory Concepts and Market Areas

4. The concept of a region
5. Implications of space and economic analysis
6. Urbanization and economic development: agglomeration economies
7. Market areas: a) Price elasticity of demand and distance b) Hotelling's linear markets c)consumer search behaviour and firm location
8. Spatial price discrimination

Unit-2 Periphery Models

4. Von Thunen's Concentric Rings
5. Product life cycles and firm location
6. Growth poles
7. Staple theory of economic development

8. Rural economic development

Unit-3 Supply Based Regional Growth Analysis

4. Regional neoclassical growth theory
5. Endogenous growth theory a) Innovation and diffusion of technology b)knowledge ,innovation and technological progress c)A firm's investment in R&D
6. Education and social capital in regional development
7. Capital and entreneurship in regional growth
8. Role of FDI

Unit-4 urban Land use and Housing Market

4. Urban Land use: a)demand for land b) urban land use patterns c)Intra urban industry location
5. Housing Market a)Housing Market: reasons for inefficiency b) Housing prices c) Amenities and housing values d) disamenities and housing values

Unit-5 Regional and Urban development in India

5. Role of Government in Regional and Urban Development a)Investment in public capital b) Local tax policy: Influence on firm location, effectiveness of local tax competition
6. Regional based perspective on India's growth performance
7. Regional disparities in Poverty and inequality
8. Regional development policies in India
9. Urbanization in India: a) Trends in urbanization b) factors driving urbanization c)rural-urban migration d)Problems of urbanization in India

Unit-6 Current Streams of Thought

The faculty will impart the current developments in the subject during semester to the students and this component will not be a part of Examinations

Principal Readings

Mary E. Edwards (2007). *Regional and Urban Economics and Economic Development: Theory and Methods* . New York: Auerbach Publications

Rarkhee Bhattacharya , Editor (2015) *Regional Development and Public Policy Challenges In India.* New Delhi: Springer

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3	3			2	2	3		1		3	2	2	3	
CO2	3	2	2		3				2		3				3	2	2	3	2
CO3	3								2	2	3	2	1		3	2	2		2
CO4	3				3	3			2		3				3	2	2		2
CO5	3	2		1	3				2		3	2			3	2	2		2

Semester- VII | **19IECOE76:Economics of Climate Change [DE-10]** | **Credits:3 Hours: 45**

Learning Objectives (LO):

To familiarize the students with the economic aspects of climate change

Course Outcome

At the end of course, the students will be able to

CO1 Explain the cause of climate change from the economic perspective
CO2 Understand how climate change impacts different sectors of an economy
CO3 Analyse the role of the market and the state in addressing climate change
CO4 Critically evaluate and integrate alternate economic strategies for addressing the problems of climate change
CO5 Integrate issues of efficiency and equity in climate change management
CO6 Understand the need for, and complexities of, global action in addressing climate change

Unit-1 Introduction

1. The roots of climate change: greenhouse gas emissions and rising global temperature
2. Climate change and economic development: a) climate change –economy transmission mechanisms; b) impact of climate change on human well-being: known and uncertain impacts c) The " tipping points" of dangerous climate change
3. Impact of climate change on developed and poor economies

Unit-2 Economic Policies for Climate change Mitigation

1. The need for climate change mitigation
2. Economic explanation of climate change: the concept of "market failure" and how it causes climate change
3. Using prices and markets for climate change mitigation: taxes, carbon emissions trading ('cap-and-trade') and regulations promoting green technology
4. Ethics of climate change : limits of cost-benefit analysis

Unit-3 Adapting to Climate Change

1. The case for Adaptation to climate change
2. Adaptive management of riska : managing physical, financial and social risks
3. International action and adaptation in developing nations

Unit-4 Natural Resources Management and Climate Change

1. The fundamentals for natural resource management
2. Economics of water use in context of climate change
3. Climate change and efficient management of agriculture and fisheries
4. Sustainable energy

Unit-5 Local and Global Action

1. Economic incentives for "climate smart" Individual action
2. The role of firms in climate change adaptation and mitigation
3. National and International policies for "climate smart" innovation and technology diffusion

Unit-6 Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations.

Text &Supplementary Reading

1. Nicholas Stern (2010), *A Blueprint For A Safer Planet* London :Vintage Books
2. United Nations development Programme (2007) *Human Development Report 2007/2008: Fighting Climate Change* Available online http://hdr.undp.org/en/reports/global/hdr2007-2008/
3. The World Bank (2010) *World Development Report 2010: Development and Climate Change* Full text online : *http://econ.worldbank.org*

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3				2	2	3	2	1		3	2	2	3	2
CO2	3	2			3		1		2		3	2	1		3	2	2	3	2
CO3	3				3	3	1	1	2		3	2	1		3		2	3	2
CO4	3								2		3	2	1		3	2	2	3	2
CO5	3			1	3			1	2	2	3	2	1		3		2	3	2

Semester- VIII **19IECOC81: Mathematics For Economics** **Credits:5**
Hours: 75

(Resolved that in Quantitative Papers, at least 50 percentages of Questions must be asked to solve problems in view of increasing Numerical and application skills)

Learning Objectives (LO):

1. To equip the students with the knowledge of mathematical techniques
2. To train the students with the applications of mathematics in economics

Course Outcome

At the end of course, the students will be able to

CO1: Demonstrate economic applications of partial and total derivatives

CO2: Distinguish between types of integral calculus and understand their applications in

CO3: Appreciate different orders of differential equations and their uses in economic

CO4: Derive total from the marginal values and their uses in economic valuations

CO5: Understand the role of difference equations in economics

CO6: Have a perfect understanding of Economic Models

CO7: Become a critical reader of literature concerning empirical analyses

Unit-1 Differentiation

1. Functions of two or more variables – First and second order simple and partial derivatives – Total differential – Partial elasticity values and growth rates.
2. Economic applications of partial derivatives – Marginal utility – Marginal rate of substitution – Marginal productivity – Marginal rate of technical substitution – Input elasticities – Elasticity of substitution – Euler's theorem.
3. Properties of homogenous production function – Cobb – Douglas and CES function.

Unit -2 Optimization in Economics

1. First and second order conditions for maximum and minimum of Y = f (X) and Z = f (X, Y).
2. Maximum revenue – Minimum average cost – Maximum profit of a firm.
3. Monopoly with tax and price discrimination – Duopoly and game theory.

Unit –3 Constrained Optimization

1. Lagrange's multiplier method - First and Second Order Conditions
2. Consumer equilibrium – Slutsky equation.
3. Producer equilibrium – Least cost combination of inputs – Expansion path – Minimizing cost with output constraint – Maximizing profit with output constraints.

Unit –4 Applications of Integration

1. Basic rules and methods of integration
2. Deriving total from marginal values – Consumer's surplus and producer's surplus

Unit –5 Dynamic Analysis

1. First order differential equations – Harrod Domar and Solow growth models – Capital expansion model.
2. Linear and exact difference equations – Cob-Web model

Principal Readings

1. Chiang, A.C. (2011). *Fundamental methods of Mathematical Economics* [McGraw-Hill, New Delhi]
2. Metha and Madnani (2017). *Mathematics for Economists*[LaxminarainAgarwal Educational Publishers, New Delhi

Supplementary Reading

1. Renshaw,Georf(2012), *Maths for Economics,*Oxford University Press,UK

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2			3			1							3	2	2		2
CO2	3	2			3			1							3	2	2		2
CO3	3	2			3			1							3	2	2		2
CO4	3	2			3			1							3	2	2	3	2
CO5	3	2		1	3			1							3	2	2	3	2

Semester- VIII

19IECOC82: Monetary Economics

Credits:5
Hours: 75

Learning Objectives (LO):

1. To equip the students with basic theories of monetary economics
2. To make the students understand the role of financial institutions in a developing economy
3. To educate the students to understand the working of monetary policies in India

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the functions of money

CO2: Evaluate the various theories of money supply and demand

CO3: Formulate the strategies for effective functioning of monetary policy.

CO4: Appreciate the role of monetary policy in controlling inflation

CO5: Evaluate the priority lending business of commercial banks

CO6: Appreciate the role of public sector banks as banker to government

Unit – 1: Demand for Money

1. Quantity theories of money – Fisher and Cambridge

2. Keynesian monetary theory
3. James Tobin's portfolio analysis of money demand
4. Don Patinkin`s Integration– Real Balance Effect
5. Milton Friedman's reformulated quantity theory

Unit – 2: Supply of Money

1. Types and determinants of money supply – money multiplier
2. Theories of interest rate – classical – Keynes – Hicks – Hansen.

Unit – 3: Money and Capital Market

1. Significance and functions of Money market and capital market
2. Role of financial intermediaries – Effects of financial intermediation
3. Non-banking financial institutions – Gurley and Shaw theory

Unit – 4: Banking

1. Functions of Commercial banks - Credit creation – process and limitations
2. Role of Commercial banks after nationalization – after reforms
3. Role of RBI – Regulation of money supply and credit
4. Narashimham Committee Reports– 1991 and 1998
5. Raguram Rajan Committee Report -2007

Unit – 5: Monetary Policy

1. Objectives and Instruments of Monetary policy– Limitations of monetary policy
2. Monetarism and Keynesianism – Comparison - Supply side policies

Unit-6 Current Streams of Thought
The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations.

Principal Readings

1. Keith Bain and Peter Howells, Monetary Economics: Policy and its Theoretical Basis., Palgrave,2003

Supplementary Reading

1. Gupta, R.D. (1995). *Keynes and Post Keynesian Economics* [Kalyani Publishers, New Delhi]
2. Harry Johnson (1977) ESSays in Monetary Economics (George Allen Unwin)
3. Basu S.K. (2008) Recent Banking Development [Chand and Co., New Delhi]
4. Ashima Goyal,History of Monetary Policy in India since Independence, Springer India 2014

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3										3	2	2		
CO2	3				3				2						3	2	2		
CO3	3				3			1							3	2	2		
CO4	3				3	3	1	1	2				1		3	2	2		
CO5	3				3				2				1		3	2	2		

Semester- VIII **19IECOC83:Environmental Economics** **Credits:5**
Hours: 75

Learning Objectives (LO):

In this course students will

1. Learn about environment-economy linkage
2. Learn about the economic roots of environmental damage
3. Become acquinted with environmental valuation

Course Outcomes

At the end of course, the students will be able to

CO1 Understand the cause of environmental damage from the economic perspective
CO2 Understand the appropriate role of market and the state in environmental management
CO3 Analyse economic policies for controlling environmental damage
CO4 Understand the rationale for, and the techniques of, economic valuation of natural capital
CO5 Evaluate alternate perspectives on natural resource management
CO6 Appreciate the benefits and the costs of environmental conservation
CO7 Evaluate alternate perspectives on sustainable development

Unit – 1 Economy and the Environment

1. The interaction between the economic system and the environmental system – The services provided by the environmental system to the economic system – The Material Balance model.
2. Market and Enviroment : Public goods, externalités, absence of property rights.
3. "Government failure" and environmental damage.

Unit – 2 Environmental Policy

1. The socially efficient level of emissions: the concept of optimum pollution.
2. Criteria for evaluating environmental control policies.
3. Command – and-control-policy.
4. Market based instruments: Pollution taxes, tradable permits, subsidies, cap-and-trade
5. Property rights to internalize externalities: The Coase Theorem.

Unit – 3 Environmental Valuation

1. Importance of environmental valuation
2. Cost-Benefit analysis
3. The categories of environmental value.
4. Methods of environmental valuation: Revealed preference methods: Hedonic pricing method, travel cost method:-State preference approach; Contingent Valuation method.

Unit – 4 Natural Resource Economics

1. Types of natural resources.
2. Non-renewable resources a) the Mc Kelvey classification b) Allocating Non-renewable resources: The Hotelling Theorem.
3. Renewable resources – a) Forests: Frontier model and immiserisation models of deforestation; Consequences of deforestation; b) Water: Efficient allocation of sustainable yield"; - Water: Efficient allocation of surface and ground water.
4. Common Property Resources (CPRs) – Characteristics of CPRs -Dissipation of Hotelling rents ("tragedy of the commons") - Ostrom's "design principles" for sustainable local CPR governance.

Unit – 5 Economic Growths and Sustainable Development

1. Growth and the environment: The environmental Kuznets curve.
2. Sustainable Development: a) weak sustainability and strong sustainability b) The "Hartwick rule" c) "green national accounts", genuine savings
3. Poverty and environmental degradation
4. Economics of Climate Change: a) economic impact of climate change b) Climate Change Policy: mitigation and adaptation c) International action for climate change.

Unit-6 Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of examinations

Principal Readings

1. *Environmental Economics : An Introduction* by Barry C. Field ad Martha K. Field (New York: McGraw-Hill, 2017)
2. *Introduction to Environmental Economics (2001)* by Nick Hanley, J.F.Shogren, and Ben White (London: Oxford University Press,2001)

Supplementary Reading

For Unit 4

Natural Resource Economics: An Introduction Barry C Field (London: McGraw Hill, 2001)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3		1	2		3	2	1		3	2	2		2
CO2	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO3	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO4	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO5	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2

Semester- VIII

19IECOE84: Information Economics
[DE-11]

Credits:3
Hours: 45

Learning Objectives (LO):

In this course students will

1. Learn about dimensions of market for information and its importance for economic development
2. To make the students understand the developments in the information industry and its implications for the end user and the provider

Course Outcomes

At the end of course, the students will be able to

CO1 Understand the properties of information goods
CO2 Appreciate the importance of network effects
CO3 Appreciate the implications of cost structure of information goods for pricing policies

CO4 Apply versioning as basis for pricing information goods
CO5 Apply bundling as a pricing strategy
CO6 Learn about the efficient use of multisided platforms
CO7 Evaluate the social costs and benefits of IT and suggest policies for regulating IT so s to maximize social benefits from it

Unit-1: Introductory Concepts
1.1) Categories of goods: public, private, common and toll goods
1.2) Characteristics of information goods
1.3) Network effects
1.4) Functionalities of the internet economy: plasticity, transversality and selectivity
1.5) The characteristics of the information economy

Unit 2: Pricing Information Goods: Versioning
2.1) The cost structure of information goods
2.2) The concept of versioning
2.3) Economic rationale of versioning
2.4) Basis of versioning:
a) convenience and comprehensiveness
b) flexibility in using and sharing data
c) image resolution and user interface
2.5) Mechanics of versioning

Unit-3: Pricing Information Goods: Bundling
3.1) Concept of bundling
3.2) Economic rationale for bundling
a) Reducing dispersion in willingness to pay
b) Option value
c) Minimising transaction costs
3.3) Types of bundling: pure bundling and Customised bundling
3.4) Merits and disadvantages of Bundling
3.5) Bundling and market power

Unit-4: Multisided Platforms
4.1) Differences between single sided and multisided platforms
4.2) conditions for efficient functioning of multisided platforms
4.3) Value creation by multisided platforms: reduction of “friction”
4.4) strategies to attain “Critical mass”
4.5) Pricing in multisided platforms

Unit 5: Economic Impact of Information Technology
5.1) Knowledge and economic growth
5.2) Impact of information technology on traditional economic activities
5.3) Information technology and income distribution
5.4) Monetary policy and crypto currencies
5.5) Regulating information technology

Principal readings:
1) *Information Rules: A Strategic Guide to The Network Economy* by Carl Shapiro and Hal Varian (Boston: Harvard Business School Press, 1999)

2) *Matchmakers: The New Economics of Multisided Platforms* y David S. Evans and Richard Schmalensee (Boston: Harvard Business Review Press, 2016)
3) Future of Money In A Digital World, *Finance And Development* June 2018 (International Monetary Fund)

Supplementary reading:

Oxford Handbook of Digital Economy Edited by Martin Peitz and Joel Waldfogel (Oxford: Oxford University Press, 2012)

Unit-6 Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3			1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO2	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO3	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO4	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2
CO5	3	2		1	3	3	1	1	2		3	2	1		3	2	2	3	2

Semester- VIII **19IECOE85:Labour Economics [DE-12]** **Credits:3 Hours: 45**

Learning Objectives (LO):

1. To familiarize the students with the problems of labour and the stress and strains developed in Industrial economy.
2. To develop the analytical skills of the students identifying the problems of labour and settlement of industrial disputes and evaluate the conditions of Industrial relation.

Course Outcomes

At the end of course, the students will be able to

CO1: Perform supply and demand analysis in the labour market
CO2: Analyze the effect of labour unions
CO3: Explain and Analyse the Industrial disputes
CO4: Understand the Industrial relations
CO5: Understand Labour welfare legislations in India

Unit-1 Introduction

1. Concept of Labour and Labour Economics-Labour Problems.
2. Labour Market – Demand and Supply of Labour – Characteristics of labour market in India.
3. Recruitment Procedure and Employment Exchange.

Unit-2 Organisation of Industrial Labour

1. Role and functions of Trade Union
2. Theories of Trade Unionism (i) Webbs (ii) KarlMarx (iii) Gandhi
3. Trade Union Movement in India-Recent Trends-Justifications of Strikes and Lockouts.

Unit-3 Industrial Disputes and International Labour Organisations (ILO)

1. Industrial Disputes: Causes and Consequences
2. Industrial Disputes in India
3. ILO Purposes-Constitution-Functions-ILO and India.

Unit-4 Industrial Relation

1. Need for Industrial Relation Machinery-Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications.
2. Industrial Democracy, concept of Workers participation in management
3. Role of State in Industrial Relations.

Unit-5 Labour Welfare

1. Labour Welfare concept, significance, classification, Principles and programmes.
2. Concept of Labour in India; Factory Act, Labour Welfare Legislation in India.

Unit -6: Current Streams of Thought

The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations

Principal Readings

1. Perre Cahur, Stephane Carcillo and andre zylberberg,Labour Economics, PHI Learning Delhi, 2nd Edition 2014
2. Tyagi P.B (2016) Labour Economics and Social Welfare,(Jaiprakash Nath & Co. Merut)
3. Stephen Smith, Labour Economics, Roputledge 2003
4. Sabal Kar and Debabratta Datta, Industrial and Labour Economics: Issues in Developing and Transition Countries, Springer 2015

Supplementary Reading

1. Baholiwal T.N. (1981) Economics of Labour and Industrial Relations,(Sahity Bhawan, Agra)
2. Giri V.V (1985) Labour Problems in Indian Industry (Asia Publish House, Bombay)
3. Peter Solane Paul Latreille and Nigel Oleary, Modern Labour Economics, Routledge London 1st Ed.2013

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3	3		1	2	2	3		1		3	2	2	3	2
CO2	3	2			3	3	1	1	2	2			1		3	2	2	3	2
CO3	3	2			3	3	1	1	2	2	3				3	2	2	3	2
CO4	3	2	2		3	3	1	1	2						3	2	2	3	2
CO5	3	2	2		3	3	1	1	2	2					3	2	2	3	2

Semester- IX **19IECOC91:International Trade and Finance** **Credits:5**
Hours: 75

Learning Objectives (LO):

1. To familiarize the students with trade theories and modern institutions.
2. To develop analytical skill of the students for identifying international economic problems and the complexities in international trade and policy

Course Outcomes

At the end of course, the students will be able to

CO1 Evaluate the alternate theories of international trade
CO2 Analyse the efficacy of monetary and fiscal policies in the context of a globally integrated economy
CO3 Critically reflect on the arguments for free trade and protectionist policies
CO4 Identify the determinants of terms of trade
CO5 Understand the determinants of the economy's trade balance and the exchange rate
CO6 Analyse the rationale of regional economic integration

Unit –1

Pure Theory of International Trade

1. Comparative Cost Theory - Refinements of Comparative Cost Theory.
2. Modern Theory of Factor Endowments – Heckscher-Ohlin and Leontief Paradox.
3. Factors Intensity Reversal: The Stolper-Samuelson Theorem and the Rybezynski Theorem.

Unit-2 Recent Theories of International Trade

1. Karvi's Theory of Availability – Lindar's Theory of Volume of Trade and demand pattern.
2. Posner's Technological Gap Theory – Vernon's Product Cycle Theory - Kenen's Human capital theory
3. Intra- Industry Trade – Economies of scale- Imperfect Competition and International Trade.

Unit-3 Balance of Payments Policies

1. BOP Disequilibrium – Adjustment Mechanism: Elasticity Approach, Absorption approach and Monetary Approach
2. Expenditure changing monetary and fiscal policy – Monetary and Fiscal policies for internal and external balance: The Swan Model and Mundallian Model
3. Expenditure Switching Policies and Expenditure Reducing Policies – Foreign Trade Multiplier

Unit- 4 Foreign Aid and MNCs.

1. Foreign Aid - Types of Foreign aid – Advantages and Disadvantages – Factors determining foreign aid -
2. Foreign Investment – Foreign Direct investment – Types of FDI – FDI Policy of India.
3. Multinational Corporations – Features of Multinational Corporations - Advantages and Limitations of MNCs.

Unit-5 Managing Foreign Exchange Risk

1. Foreign exchange risk - Types of exchange rate risk - Transaction risk, Translation risk, Economic risk.
2. Measurement of Exchange Rate Risk - value-at-risk (VaR) model. Methods of managing foreign exchange risk.
3. Forward contracts, Money market hedges, Currency futures, Currency Options, Currency swaps.

Unit-6 Current Streams of Thought
The Faculty will impart the current developments in the subject during the semester to the students and this component will not be a part of Examinations

Principal Reading:

1. Francis Cherunillam(2017),International Economics(Tata McGraw Hill,NewDelhi)

2. Paul Krugman and Maurice 2013 *International Economics: Theory and Policy*(Pearson New Delhi)

Supplementary Reading

1. J.N. Bhagwati 2003) *Free Trade Today*(New Delhi: Oxford University Press, ,
2. Jeff Madura 2011 *International Financial Management*(Mason, Ohio: Southwestern Cengage Learning,
3. Sarno, L , Taylor M.P & Jeffrey A. (2002), *The Economics of Exchange Rates* (Cambridge University Press, Frankel)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3				3	3			2						3	2	2	3	
CO2	3				3	3			2				1		3	2	2	3	2
CO3	3	2			3	3			2						3	2	2	3	2
CO4	3	2			3	3			2				1		3	2	2	3	2
CO5	3	2			3	3			2				1		3	2	2	3	

Semester- IX **19IECOC92:Econometric Methods** **Credits:5**
Hours: 75

(Resolved that in Quantitative Papers, at least 50 percentages of Questions must be asked to solve problems in view of increasing Numerical and application skills)

Learning Objectives (LO):

1. To teach the students about important applications of econometric tools
2. To familiarize the students with econometric model building

Course Outcomes

At the end of course, the students will be able to

CO1: Differentiate dynamic econometric models

CO2: Demonstrate the meaning and uses of dummy variables and features of Quality Response models

CO3: Have familiar with the types of simultaneous equation model and methods and their significance

CO4: Appreciate the types of stochastic processes and its properties in time series

CO5: Have familiar with the use of dummy dependent variables model

CO6: Apply Econometric techniques to the real world economic problems.

CO7: Become a critical reader of literature concerning empirical analyses

Unit-1 Dynamic Econometric Model

1. Auto-regressive model – Distributed lag model – Koyck's partial adjustment.
2. Adaptive expectation – Almon model.

Unit -2 Dummy Variables

1. Meaning and uses of dummy variables – Seasonal Analysis – Dummy independent and dependent variables.
2. Probit, Logit and Tobit models.

Unit –3 Simultaneous Equation Model

1. Structural model – Reduced form model – Recursive model – Simultaneity bias.

2. Identification problem – Rules for identification and choice of econometric methods.

Unit –4 Simultaneous Equation Methods

1. Reduced form method (or) indirect least squares method of estimation – Methods of instrumental variables.
2. Two stage least squares method – Generalized least squares.

Unit –5 Introduction to Time Series Econometrics

1. Stochastic Process - Stationary and Non Stationary stochastic process-Unit root stochastic process.
2. Trend stationary and difference stationary stochastic process-Integrated stochastic process - Properties.
3. Unit root tests - Cointegration - Economic Applications.

Principal Readings

1. Gujarathi, D.N. (2012). Text Book of Econometrics [McGraw-Hill, New Delhi]
2. Koutsyiannis, A. (2002). Theory of Econometrics[MacMillan, London]
3. . Madnani, G.M.K. (2009). Introduction to Econometrics [Oxford IBH Pub. Co., New Delhi]

Supplementary Reading

1. Klein, L.R. (2001). An Introduction to Econometrics [Prentice Hall, New Delhi]
2. Lange, O. (2001). An Introduction to Econometrics [MacMillan, New York]
3. Madalla, G. (2006). Econometric Methods [McGraw-Hill, New Delhi]

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	S		1	1							3	2	2	3	2
CO2	3	2		1	S		1	1							3	2	2	3	2
CO3	3	2		1	S		1	1							3	2	2	3	2
CO4	3	2		1	S		1	1							3	2	2	3	2
CO5	3	2		1	S		1	1							3	2	2	3	2

Semester- IX **19IECOC93: Computer Application in Economics (Practical)** **Credits:5 Hours:75**

Learning Objectives (LO):

To equip skill in applying statistical tools to Economics using computers

Course Outcomes

At the end of course, the students will be able to

CO1: Able to do text processing i.e, formatting, page setting proofing through MS Word

CO2: Organize data sets using MS excel

CO3: Apply statistical tools through functions installed, and capable of incorporating their own functions in MS Excel, Create Graph using MS Excel

CO4: Build master table to organize data collected through primary survey and analyse them through SPSS

CO5: Learn to create questionnaire for primary data collection using google forms

Unit-1 Text Management with MS-WORD

1. Creating new Documents –Document template – Typing Text – Editing Text – Insert Text - Go to, Find, and Replace text or word - Formatting of Text – Format painter – setting *Margin – page layout – page orientation*

2. Cut and Paste utility - Copying Document/text in the same or Different file or Document – Drag and drop of typed text

3. *Using Bullets and numbering* - creating tables – using auto correct, dictionary thesaurus

4. *Formatting a project work: Title page, Certificate page, Contents page, Table of Contents – Chapters - Bibliography*

Unit-2 Managing Data

1. EXCEL The typical worksheet or spread sheet – cell and their properties – formatting cell – text, numbers, currency, accounting, date, time, and percentage, scientific – formats.
2. Formula using arithmetic and relational operators in a worksheet -Advanced Formulas -
3. Sum, count, Average, Max, Min, Product -Using auto format
4. Economic concepts through excel: consumer utility, Cost, Revenue, production

Unit-3 Graphs and Charts using Economics data sets

1. Bar diagrams, pie charts, Area,
2. Building Line Diagrams, Histograms, Scatter plots, XY Graphs
3. Frequency Graphs, Ogive, Lorenz curve, Time Series

Unit-4 Data Analysis (SPSS)

1. Naming variables - Coding and Recoding of data - Arithmetic calculations with in variables
2. Descriptive Statistics: Frequencies, Descriptive, Explore, Cross Tabulation
3. Compare Means: One sample T- test, Independent Sample T – test, paired sample T test, One way ANOVA
4. Correlation: Bivariate, Partial,
5. Regression: Linear, Curve Estimation, Multiple Regression

Unit-5: Google Forms

1. Introduction to google forms – types of questions – adding description to questions – making questions mandatory / optional – adding sections within a form – sending link to respondents – exporting of data received.

Principal Readings

1. Andy Field (2000). *Discovering Statistics Using SPSS for Windows – Advanced Techniques for the Beginner* [Sage Publications, New Delhi]
2. Dr.K.Dhanasekaran (2010) Computer Applications in Economics First Edition ISBN978-81-8281-296-3
3. Darren George Paul Mallery SPSS for Windows step by step Sixth Edition

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	2	1								2		1					2	
CO2	2	2	1								2		1					2	
CO3	2	2	1								2		1					2	
CO4	2	2	1								2		1					2	
CO5	2		1			1	1								2			2	

Semester- IX **19IECOE94:Globalisation and Development (DE-13)** **Credits:3 Hours: 45**

Learning Objectives (LO):

Globalisation is one of the most important topics in Development Economics. No country can be immune from the process of globalization and this applied to India as well. In this Paper we will learn about the facets of globalization.

Course Outcome

At the end of course, the students will be able to

CO1: Understand the process and features of Globalization

CO2: Demonstrate the trade flows and growth in global economy

CO3: Formulate the perspectives of FDI and globalization of production process

CO4: Analyse the impact of human development and environment

CO5: Evaluate the case studies of globalization and human development in other countries

Unit-1 The process of globalization

1. Definition of globalization
2. Features of contemporary globalization
3. Globalization and the nations states

Unit-2 Drives of globalization: Trade

1. Trade flows in global economy
2. Trade as engine of growth
3. Free Trade Vs protectionists policies in development

Unit-3 Drives of globalization: FDI and cost of Transport

1. Characteristics of multi nation corporation
2. Implication of intrafarm trade
3. Alternative perspective of Role of FDI in Developing Countries
4. Declining transport cost and globalization of production process

Unit-4 Globalizataion and human development- 1

1. Globalization and employment
2. Impact of globalization human well being
3. Globalization and environmental quality

Unit-5 Globalization and human development - 2

1. Globalization and poverty
2. Globalization and Income distribution
3. Case studies globalization and human development in East Asia, India and China

Unit-6 Current Streams of Thought

The Faculty will to the students and this component will not be a part of Examinationsimpart the current developments in the subject during the semester

Principal Reading

1. Dani Rodrik (New Yok:ww.Norton,2011) Chapter 1,3,7,11
2. In Detense of Globalization by Jagesh Bhagwati (oxford: Oxford University Press,2004) Chapters 5,7,11,12,16

Supplementary Reading

1. The Great Convengence: Information Technology and the New Globalization by Richard Baldwin (boston:Harvard University Press,2016)
2. The Globotics upheaved Globalization Robotics and the Future of Work, by Richard Baldwin (Boston : 2019)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2						2		3	2	L		3	2	2		
CO2	3				3	3										2		3	
CO3	3	2	2		3	3			2		3	2	L		3	2	2	3	2
CO4	3	2			3	3		L	2	2	3	2	L		3	2	2	3	
CO5	3				3	3		L	2	2	3	2	L		3	2	2	3	2

Semester- IX

19IECOE95:Economics of Education (DE-14)

Credits:3
Hours: 45

Learning Objectives (LO):

1. To enable the learners to develop an understanding of planning, financing and cost of education.
2. Develop and understanding of the link between the educational system and economic development.
3. Develop an understanding of educational problems in the context of economic concepts, theories and techniques.

Course Outcomes:

At the end of course, the students will be able to

CO1: Demonstrate the meaning, scope and importance of Economics of Education

CO2: Understand the different types of costs of education, pricing of education and sources of finance and equity measures

CO3: Apply theories and tools of economics in education

CO4: Learn how to measure the contribution of education to economic growth through different approaches

CO5: Appreciate the application of economic tools and criteria in framing education policies

Unit -1Introduction

1. Meaning, definition, scope and importance of Economics of Education - Relationship between education and the economic development
2. Education: as consumption and as individual, social and national investment
3. Spill over effects of education

Unit- 2Costs of Education

1. Direct and Indirect costs
2. Private cost, Social cost and Opportunity cost –
3. Unit cost of Education

Unit -3Pricing and Financing of Education

1. Micro and Macro aspects of pricing of education
2. Sources of finance for education: private, public, fees, donations,- Endowments and grants.
3. Government's role in financing education at different levels with special reference to higher education.

Unit- 4Measurement of Contribution of Education to Economic Growth

1. Cost-Benefit Analysis in Education
2. Cost Effectiveness Analysis in Education
3. Other Approaches: Correlation Approach- Residual approach- Manpower Forecasting Approach- Wage-differential Approach.

Unit- 5Education, Equity and Income Distribution

1. Educational equity measures
2. (a) the equal opportunity criterion (b) the cost – benefit criterion, and (c) the ability to pay criterion- Education as a determinant of income variance,
3. Tools to assess the equity and income distribution- The Gini coefficient, the Lorenz curve**.**

Unit-6 Current Streams of Thought

The Faculty will to the students and this component will not be a part of Examinationsimpart the current developments in the subject during the semester

Principal Readings

1. Eric H.F.2006 Hand book of "The Economics of Education" Sanfrancisco (Singapore) Tokyo
2. Samuel A (2013) The Economics of Education Strategic Book Publishing & Rights
3. Dominic j. Brewer & Patric j.McEwan(2014), "Economics of Education", Elsevier Limited,U.K

Supplementary Reading

1. Garg V. P. (1985) The Cost Analysis in higher Education New Delhio, Metropolitan Book Co. Pvt Ltd.
2. Shriprakash and Chowdhurty S. Expenditure on Education, Theory, Models and Growth, New Delhi: NIEPA (2005)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2		3	3	1	1	2			2	1	1	3		2	3	2
CO2	3	2	2	1	3	3	1	1	2			2	1	1	3	2	2	3	2
CO3	3	2	2	1	3	3	1	1	2			2	1	1	3	2	2	3	2
CO4	3	2	2	1	3	3	1	1	2		3		1	1	3	2	2	3	2
CO5	3	2	2	1	3	3	1	1	2		3	2	1	1	3	2	2	3	2

Credits:5

Semester- X **19IECC-101 Indian Economic Development and** **Hours: 75**

Learning Objectives (LO):

1. To make the students familiar with the issues in Indian economic development.
2. To give an insight into the functioning of the economy through macroeconomic policies and instruments.
3. To train the students with working of diverse economic policies in India.

Course Outcomes

At the end of course, the students will be able to

CO1 Understand the characteristics and sources of Indian's economic growth
CO2 Evaluate the rationale of Indian economic policy framework
CO3 Identify bottlenecks constraining different sectors of the economy
CO4 Analyse the consequences of global integration of the Indian economy
CO5 Critically examine the impact of India's development path on gender equity
CO6 Integrate issues of efficiency and equity in reflecting on Indian development policy
CO7 Evaluate alternate perspectives with regard to making growth more inclusive

Unit-1 Growth and Structural Change

1. Indian economy at Independence
2. The policy framework: statist policy, transition to market-oriented policy, role of erstwhile Planning Commission And NITI Ayog
3. Two phases of growth (1950-1980 and 1980 onwards), factors underlying turnaround
4. Structural change in Indian economy

Unit 2 Agricultural and Industrial Sectors

1. Performance of agricultural sector, factors determining agricultural growth
2. Factors underlying food inflation
3. Agricultural price policy and food security
4. Industrial Growth - Industrial growth before and after reforms - Dualism in Indian manufacturing
5. Issues in performance of public sector enterprises and privatisation

Unit-3 Fiscal Developments, Finance and External Sector

1. Expenditure trends
2. GST: rationale and impact
3. Evolution of the financial sector in post-liberalisation period
4. External sector performance: emergence of India as major exporter in services, performance of manufacturing sector

Unit-4Poverty and Inequality

1. Measuring poverty in India: Selection of poverty lines
2. Poverty in pre and post liberalization periods
3. Impact of growth on poverty
4. PDS vs cash transfers, feasibility of universal basic income in India
5. Inequality in India in pre and post liberalization periods

Unit-5 Social Issues

1. Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation
2. Employment : changing nature of employment in India, "jobless growth"
3. Labour in informal sector
4. India's demographic transition

Unit-6 Current Streams of Thought

The Faculty will to the students and this component will not be a part of Examinationsimpart the current developments in the subject during the semester

Principal Reading

1. Indian Economy SInce Independence Edited by Uma Kapila (New Delhi: Academic Foundation), Current 2017 Edition
2. Uma Kapila (2017) Economic Development and Policy, Academic Foundation, Gurugram, Haryana.
3. Bauer P.T. (2011) Indian Economic Policy and Development, Routledge , UK.
4. Anne O Kaueger (2002) Economic Policy reforms and the Indian economy, The university of Chicago, UK.

Supplementary Reading

Economic Survey 2018 and subsequent editions (Government of India: Ministry of Finance)

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3	1	1	2				1		3	2	2	3	2
CO2	3	2		1	3	3	1	1	2				1		3	2	2	3	2
CO3	3	2		1	3	3	1	1	2				1		3	2	2	3	2
CO4	3	2		1	3	3	1	1	2				1		3	2	2	3	2
CO5	3	2		1	3	3	1	1	2	2		2	1		3	2	2	3	2

Semester- X **19IECOC102: Health Economics** **Credits:5**
Hours: 75

Learning Objectives (LO):

1. To teach the students about importance of health economics and the role of economics in the health care sector.
2. To teach the principles relating to economic value of human resources besides introducing concepts of health indicators.

Course Outcomes

At the end of course, the students will be able to

CO1:	Appreciate and understand importance of Health as an Economic good
CO2:	Understand various aspects and indicators of health and its link to economic development
CO3:	Appreciate the need for Public health facilities and role of education in acquiring good health
CO4:	Understand the link between economic variables like income, price on accessing health
CO5:	Appreciate the importance of health attainments in developing nations and burden of diseases

Unit-1 Preliminary Concepts

1.1 Health as a merit good, unique features of health
1.2 Factors influencing health status
1.3 Health and economic development, health as human capital
1.4 Determinants of demand and supply of health care

Unit-2: Theory of Health Care Markets

2.1 Conditions necessary for efficient functioning of health care markets

2.2 Market failure and health care
- A. Externalities
- B. Public goods
- C. Asymmetric information

2.3 Public provisioning of health care
- A. addressing market failure
- B. Role of state in providing health care: rationale and risks

Unit-3: Economic Evaluation of Health Care

3.1 Importance of economic evaluation

3.2 Fundamental concepts:
- A. efficiency
- B. defining and measuring health outcomes: QUALY and DALY, Value of statistical life
- C. marginal analysis

3.3 Defining and measuring costs:
- A. direct and indirect costs
- B. tangible and intangible costs
- C. opportunity costs

3.4 Techniques of evaluation
- A. Cost minimization analysis
- B. Cost effectiveness analysis
- C. cost utility analysis
- D. cost benefit analysis

Unit-4: Health Care Financing

4.1 Features of a good financing system

4.2 Risk pooling

4.3 User fees

4.4 Private insurance

4.5 Moral hazard in health insurance

Unit-5: Equity and Health Sector Reforms

5.1 Equity
- A. Defining equity in health care
- B. Measuring equity

5.2 Improving health care outcomes

5.3 Managing health care objectives

5.4 Health care in India
- A. Types of health care
- B. status of Health care in India
- C. market failure in Indian health care

5.5 providing “good health at low cost”: case study of Tamil Nadu

Principal Readings

1. GuireA.M , Henderson J and Mooney G.(2016) The Economics of Health Care: An Introductory Text. [Routledge and Kegan Paul London and New York. PP. 9-30]
2. Asha A. and Tara K (2011). Principles of Population Studies [Himalaya Publishing House, New Delhi]
3. Park, K. (2015). Park's Text Book of Preventive and Social Medicine. 23rd edition. [M/s BanarsidasBhanot Publishers, Jalalpur]

4. William Jack (1999). Principles of Health Economics for Developing Countries, WBI Development studies [The World Bank, Washington. D.C.]

Outcome Mapping																			
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1				1	3			1	2						3	2			
CO2	3			1	3		1								3	2		3	2
CO3	3			1	3			1	2			2	1		3	2	2		2
CO4	3			1	3	3	1	1	2			2	1		3	2	2	3	2
CO5	3			1	3	3	1	1	2				1		3	2	2	3	2

Semester- X **19IECOC103: GENDER ECONOMICS-2** **Credits:4**
Hours: 60

Learning Objectives (LO):

1. To make the students understand the demographic aspects of gender and their role in family
2. To enable students understand the role played by women in rural sector, urban sector and the empowerment of women

Course Outcomes

At the end of course, the students will be able to

CO1: Understand the types and causes of gender inequalities

CO2: Evaluate Women's paid work and unpaid work at household

CO3: Appreciate theories of labour market and its impact on wage discrimination

CO4: Apply gender empowerment measures and formulate a new index for measuring empowerment of women

CO5: Analyse women's role in environmental safety and women's role in technological world

Unit-1:Introductory Concepts

1.1 preference as indicator of well- being
1.2 Rationality
1.3 Efficiency and the market economy

Unit-2: Household and Gender

2.1 The unitary model
2.2 Becker model: comparative advantage as basis of division of labour
2.3 cooperative bargaining model
  a) Nash bargaining
  b) threat utility
2.4 Non- cooperative bargaining

Unit 3: Gender Discrimination

3.1 The concept of discrimination
3.2 Rational discrimination
3.3 Efficiency wage theory of discrimination
3.4 statistical discrimination

Unit 4: Gender and Market Outcomes

4.1 Gender and competitive behaviour
4.2 Gender and risk aversion

4.3 women and globalisation

Unit 5: Women Empowerment

5.1 Investing in human capital

5.2 Access to credit

5.3 Improving Political representation and employment opportunities

5.4 Inheritance and personal property laws for women empowerment

Principal Reading

Mukesh Easwaran (2014): Why Gender Matters In Economics. New Jersey: Princeton University Press

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2		1	3	3	1	1	2	2	3	2	1		3	2			2
CO2	3		2	1	3	3	1	1	2	2	3	2	1		3	2	2	3	2
CO3	3	2		1	3	3	1	1	2	2	3	2	1		3	2	2	3	2
CO4	3			1	3	3	1		2	2	3		1		3	2		3	2
CO5	3	2	2	1	3	3	1		2	2	3		1		3	2	2	3	2

Semester- X **19IECOC104: Economics of Infrastructure (DE-16)** **Credits:4 Hours: 60**

Learning Objectives (LO):

Infrastructure is a growing sector in the Indian economy. This course introduces the students to the various theoretical and policy dimensions of the economics of infrastructure in India.

Course Outcomes

At the end of course, the students will be able to

CO1: Understand key issues and problems with respect to regulation, governance and policies for the infrastructure sector

CO2: Understand and apply key principles, concepts and tools relevant to the economic regulation of infrastructure industries

CO3: Analyse different government policies for regulation and reform of the infrastructure sector

CO4: Appreciate the rationale for addressing issues on economic regulation.

CO5: Analyse the regulation of electrical and telecommunication sectors.

Unit-1 Introduction

1. The role of infrastructure in development
2. Infrastructure as a public good
3. Overview of infrastructure sector in India- Physical, Social and Financial
4. The need for regulating infrastructure

Unit-2 Regulation of Infrastructure

1. The need for regulating infrastructure-Principles of good regulation, regulatory strategies, regulatory institutions and enforcement of regulations.
2. Theories of regulation: a) public interest theories , b) private interest theories, c) institutionalist theories
3. Methods of regulating quality-Regulation in context of globalization and international competition.

Unit-3 Competition and Pricing in Infrastructure Sector

1. Competition versus regulation in provision of infrastructure faculties-
2. Public private partnerships for infrastructure development
3. Price setting in infrastructure sector, a) price setting for natural monopolies, b) rate of return price regulation, c) Price capping, d) peak load pricing

Unit-4 Economics of Transport Infrastructure

1. Competition in the transport sector , a) Creating a competitive transport sector , b) Competitive market forms, " competition in the market" and " competition for the market"
2. Railway infrastructure. a) Alternative regulatory frameworks for railway infrastructure, b) price regulation in railway.
3. Road transport , a) creating competition in road transport
4. Highways infrastructure, a) alternate organizational structure for highways. B) Private participation and risk allocation.

Unit –5 Electricity, Telecommunication Infrastructure

1. Regulation of electricity sector, a) Economic rationale for regulating electricity sector, b) regulatory strategies and enforcement methods in electricity sector-Electricity pricing in India- Electricity act 2003.
2. Regulation of telecommunication sector, a) The need for and aims of telecom regulation-TRAI
3. Internet pricing strategies

Unit-6 Current Stream of Thought

The Faculty will to the students and this component will not be a part of Examinationsimpart the current developments in the subject during the semester

Principal Readings

1. Dash L.N. (2007) Economics of Infrastructure, Regal publication, New Delhi.`
2. Arnold Picot, Massimo fiorio, Nico Grove and Johann Karanz. (2015) The Economics of Infrastructure Provisioning. The MIT Press, UK.

Supplementary Reading

1. India Infrastructure Report (Oxford University Press, New Delhi)
2. Infrastructure Development Report (UNDP)
3. Kaushik Basu and A.Martein , Eds (2009) The oxford Companion to Economics , (New Delhi OUP)
4. Alvin s. Goodman and Makar and Hasfalk (2015) Infrastructure Planning Engineering and Economics, Mcgraw – Hill Education, USA.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1		2	2		3			1	2		3	2	1	1	3	2	2	3	2
CO2	3	2			3	3	1		2					1	3		2	3	
CO3	3		2			3		1			3				3	2	2	3	2
CO4	3				3	3	1		2		3				3	2	2	3	2
CO5	3				3	3	1		2		3				3	2	2	3	2

Semester- X

19IPSCI106:Constitution of India (Mandatory Course)

Hours: 30

Learning Objectives: (LO)

Students will be able to:

1. To understand the basic features of Indian Constitution.
2. To grasp about the basic rights & duties of Indian Citizenry
3. To ponder over the form of Indian Political System.
4. To have broad understanding about the pivotal provisions related with liberty, Equality and fraternity.

Course Outcomes:

After the successful completion of the course, the students will be able to:

CO1: Imbibe about the basic features of Indian Political System.

CO2: Enlighten with the rights & duties of Indian Citizens.

CO3: Understand the significance of rule of law

CO4: Inculcate with basic liberties.

Unit-1 Introduction

Meaning of the Constructional law and Constitutionalism – Historical Perspective of the Constitution of India – Salient features Characteristics of the Constitution of India

.**Unit -2 Rights and Duties**

Scheme of the Fundamental Rights – The scheme of the Fundamental Duties and its legal status – The Directive Principles of State Policy-Its importance and implementation

Unit -3 Centre State Relationship

Federal Structure and distribution of legislative and financial powers between the union and the states- Parliamentary form of Government in India – The Constitution powers and status of the president of India.

Unit-4 Amendments and Provisions

The Historical perspectives of the constitutional amendments in India – Emergency Provision: National Emergency, President Rule. Financial Emergency

Unit -5 Institutions

Judiciary –Judiciary Activism – Amending Procedures- Recent Trends –Rights to Information- Lokpal and LokAyukta

Unit-6 Current Stream of Thought

The Faculty will to the students and this component will not be a part of Examinationsimpart the current developments in the subject during the semester

Principal Readings:

1. Jogendra Yadav 2000, Transforming India: Dynamics of Democracy, Oxford University Press New Delhi
2. Bipan Chandra, Mridula Mukherjee, Adility Makherjee 2016., India after Independence 1947-2000, Penguin Publishers, New Delhi.
3. Durga Das Basu, 2018., Introduction to the Constitution of India Prentice Hall, New Delhi

Supplementary Readings:

1. The Constitution of India 1950 (Bare Act), Government Publications.
2. Paul R.Brass 1999 The politics of India Since Independence Cambridge University Press

3. Granvila Austin 2006 The Indian Constitution: Cornerstone of a Nation, Oxford University Press, New Delhi
4. Jain M.P 2014 Indian Constitution Law Lexis Nexis
5. Busi S.N Ambedkar B.R 2015 Framing of Indian Constitution

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WITH COURAGE AND FAITH