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List of Employability/ Entrepreneurship/ Skill Development Courses with Course Contents

Colour Codes		
Name of the Subjects	Yellow	
Employability Contents	Green	
Entrepreneurship Contents	Light Blue	
Skill Development Contents	Pink	



List of Courses Focus on Employability/ Entrepreneurship/ Skill Development

Department : Economics

Programme Name : B.A. Economics

Academic Year : 2022-23

List of Courses Focus on Employability/ Entrepreneurship/Skill Development

Sr. No.	Course Code	Name of the Course
01.	ENUATT1	Mathematical Methods for Economics-I
02.	ENUATT2	Mathematical Methods for Economics-II
03.	ENUATL1	Money and Financial Market
04.	ENUDTA4	NSS and Entrepreneurship Development

Department : Economics

Programme Name : M.A. Economics

Academic Year : 2022-23

List of Courses Focus on Employability/ Entrepreneurship/Skill Development

Sr. No.	Course Code	Name of the Course
01.	ENPCTT9	Research Methodolgy
02.	ENPCTD1B	Quantitative Methods
03.	ENPCTD2A	Econometrics -I
04.	ENPDTD3A	Data Analysis
05.	ENPDTD5A	Econometrics -II



Scheme and Syllabus

Proposed Syllabus for
B.A. (Hons.) Economics based on LOCF System
(Three years/Six semesters)



(To be implemented from the academic session 2022-23)

Department of Economics
School of Social Sciences
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TYPES OF COURSES

Core Course:

A course, which is to be studied compulsorily by a candidate as a core requirement is termed as a Core Course. The credits for the core courses will be 5. The distribution of credits is as per Table 1.

Elective Course:

Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline / subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course. The distribution of credits is as per Table 1.

Discipline Specific Elective (DSE) Course: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. These courses will be offered to the students of the same department in which they have admitted. These courses may be of interdisciplinary nature. The credit for each core course will be 5.

Generic Elective (GE) Course: An elective course chosen generally from other discipline/subject offered by sister departments, with an intention to seek additional exposure of the subject, is called a Generic Elective. A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective. The credit for each Generic course will be 5.

Ability Enhancement Courses (AEC): The Ability Enhancement Courses are the courses based upon the content that leads to Knowledge enhancement. The credit for the each AEC course will be 2. There will be five AEC courses in each Honours Program out of which one course on Environmental Science, one on English Language/Hindi Communication. Other three courses will be selected by the students from the pool of AEC courses, as notified by the University.

Skill Enhancement Courses (SEC): SEC courses are skill-based courses, which are aimed to provide hands-on-training, competencies, skills etc. These courses may be chosen from a pool of SEC courses, as notified by the University. There will be two SEC courses in each Honours Program. The credit for each SEC course will be 2.

Project work / Dissertation is considered as a special course involving application of knowledge in solving / analyzing / exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. These courses are designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a faculty member. Project work / Dissertation submission will be followed by a presentation and Viva-voce.

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Seminar: Seminar will be conducted by the faculty members of the department in which a student has to defend/present a topic allotted to him/her by the course coordinator. Every student has to present minimum 2 presentations. The seminar classes will preferably be conducted for 2 hours during a working day in a week.

Internship: An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development, and to learn new skills. It offers the employer the opportunity to bring new ideas and energy into the workplace, develop talent and potentially build a pipeline for future full-time employees.

An internship consist of Consists of

- a part-time work schedule that includes a part of written documentation as report.
- Provides a clear project description for the work experience related to specific field.
- Orients the student to the organization, its culture and proposed work assignment(s) etc for professional courses.
- Helps the student develop and achieve learning goals.

Internship may include Project Work, Subject-specific skill course, Internship, summer internship, Visits to field sites, Excursions, Industrial Visits, Industrial training, Research activities, and any other as may be required for specific degree programs on practical grounds.

The credits for internship will be 4-6 for BA/BSc/BCom/other basic degree programs.

The technical and professional degree programs may opt internship or apprenticeship in full semester with 24 credits.

Additional Credit courses: University Additional Credit Electives (UACE), Value Added Courses(VAC), Certificate courses(CC), Online Certificate Courses (OCC), and others as notified by the University from time to time. The credits for such courses will be 2 - 4 as notified by the university. A separate regulation for these courses is designed by the university.

The Board of Studies of each department will decide the course structure and syllabus for a specific program and update in the information in Table 3.

The minimum credits for the award of Undergraduate degree program in BA/BSc/B.Com will be 133. The maximum credits for such programs should not exceed 150.

An undergraduate degree with Honours in a discipline will be awarded with the following course structure as per the UGC guidelines

- 14 Core Courses
- 04 Generic Elective Courses (GE)
- 03 Discipline Specific Elective (DSE) Courses
- 05 Ability Enhancement Courses (AEC)
- 02 Skill Enhancement Courses (SEC)

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- 01 Dissertation / Project
- 01 Seminar
- 01 Internship
- Additional Credit Courses (as notified by the University)
- Online MOOC's Courses (As per UGC/University guidelines)

The credits of the courses are given in the following tables:

Table 1: Credit Distribution

Courses	Credits		
	Theory + Practical	Theory + Tutorial	Theory + Tutorial + Practical
Core Courses (14 courses)	$(3 + 2) \times 14 = 70$	$(4 + 1) \times 14 = 70$	$(3 + 1 + 1) \times 14 = 70$
Generic Elective (4 courses)	$(3 + 2) \times 4 = 20$	$(4 + 1) \times 4 = 20$	$(3 + 1 + 1) \times 4 = 20$
Discipline Specific Elective (3 courses)	$(3 + 2) \times 3 = 15$	$(4 + 1) \times 3 = 15$	$(3 + 1 + 1) \times 3 = 15$
Ability Enhancement Course (5 Courses)	$(1 + 1) \times 5 = 10$	$(2 + 0) \times 5 = 10$	$(0 + 0 + 2) \times 5 = 10$
Skill Enhancement Course (2 Courses)	$(1 + 1) \times 2 = 4$	$(2 + 0) \times 2 = 4$	$(0 + 0 + 2) \times 2 = 4$
Dissertation (1 Course)	6	6	6
Seminar (1 Course)	2	2	2
Internship (1 Course)	6	6	6
Additional Credit Courses (Optional)	Actual as per university notification	Actual as per university notification	Actual as per university notification
MOOC's Courses***	2-5	2-5	2-5
Total	133	133	133

Table 2: Structure of Courses

Semester	Core Courses (14)	GE (4)	DSE (4*)	AEC (5)	SEC (2)	Seminar (1)	Dissertation (1)	Internship (1)	Additional Credit Courses (Optional)
I	C1 C2	GE1		AEC1	SEC1				
II	C3 C4	GE2		AEC2	SEC2				
III	C5	GE3		AEC3					

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	C6 C7							
IV	C8 C9 C10	GE4		AEC4				
V	C11 C12		DSE1 DSE2	AEC5				
VI	C13 C14		DSE3			Seminar	Dissertation	
Summer							Internship	
MOOC's***								

* Technical and Professional Programs may opt for internship or apprenticeship in full semester as a 24 credits course in lieu of course C13, C14, DSE3, DSE4 and Dissertation.

*** MOOC's courses should be offered at least one time during entire UG programme in lieu of Core Course. If the core is not available any course similar to Generic elective, Discipline specific elective, AEC course, Skill enhancement course may be offered on MOOC's platform. If any such course related to your subject is not available on MOOC's platform, department may continue with regular courses.

Table 3: Template for Semester wise courses (suggestive)

Semester	Course	Course Code	Course Name	Credits	L/T/P
I	C1	ENUATT1	Introductory Microeconomics/ MOOC COURSE	5	L-4, T-1
	C2	ENUATT2	Mathematical Methods for Economics-I	5	L-4, T-1
	GE1	ENUATG1	Introductory Microeconomics	5	L-4, T-1
	AEC1	ENUATA1	From pool of Ability Enhancement Course (AEC-I)	2	L-2
	SEC1	ENUATL1	From pool of Skill Enhancement Course (SEC-I)	2	L-2
	Additional Credit Course				
	Total			19	
II	C3	ENUBTT3	Introductory Macroeconomics	5	L-4, T-1
	C4	ENUBTT4	Mathematical Methods for Economics-II	5	L-4, T-1
	GE2	ENUBTG2	Introductory Macroeconomics	5	L-4, T-1



	AEC2	ENUBTA2	From pool of Ability Enhancement Course (AEC-II)	2	L-2
	SEC2	ENUBTL2	From pool of Skill Enhancement Course (SEC-II)	2	L-2
	Additional Credit Course				
	Total			19	
III	C5	ENUCTT5	Intermediate Microeconomics-I	5	L-4, T-1
	C6	ENUCTT6	Intermediate Macroeconomics-I	5	L-4, T-1
	C7	ENUCTT7	Indian Economy-I	5	L-4, T-1
	GE3	ENUCTG3	Money & Banking	5	L-4, T-1
	AEC3	ENUCTA3	From pool of Ability Enhancement Course (AEC-III)	2	L-2
	Additional Credit Course				
	Total			22	
IV	C8	ENUDTT8	Intermediate Microeconomics-II	5	L-4, T-1
	C9	ENUDTT9	Intermediate Macroeconomics-II	5	L-4, T-1
	C10	ENUDTT10	Indian Economy-II	5	L-4, T-1
	GE4	ENUDTG4	Public Finance	5	L-4, T-1
	AEC4	ENUDTA4	From pool of Ability Enhancement Course (AEC-IV)	2	L-2
	Internship*	ENUDEFI		6**	
	Additional Credit Course				
	Total			22 + 6	
V	C11	ENUETT11	Statistical Methods for Economics	5	L-4, T-1
	C12	ENUETT12	Development Economics-I	5	L-4, T-1
	DSE1	ENUETD01	Economic	5	L-4, T-1

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			History of India (1857-1947)		
	DSE2	ENUETD02	International Economics-I	5	L-4, T-1
	AEC5	ENUEFA05	From pool of Ability Enhancement Course (AEC-V)	2	L-2
	Additional Credit Course				
	Total			22	
VI	C13	ENUFTT13	Introductory Econometrics	5	L-4, T-1
	C14	ENUFTT14	Development Economics-II	5	L-4, T-1
	DSE3	ENUFTD03	International Economics-II	5	L-4, T-1
	Seminar	ENUFSS01		2	
	Dissertation/Project	ENUFDF01		6	
	Additional Credit Course				
	Total			23	
MOOC's				2-5	

* May be offer during summer

** Technical and Professional Programs may opt for internship or apprenticeship in full semester as a 24 credits course in lieu of course C13, C14, DSE3, DSE4/ Dissertation.

*** MOOC's courses should be offered at least one time during entire UG programme in lieu of Core Course. If the core is not available any course similar to Generic elective, Discipline specific elective, AEC course, Skill enhancement course may be offered on MOOC's platform. If any such course related to your subject is not available on MOOC's platform, department may continue with regular courses.

Handwritten signatures and initials: "Ha", "RKS", and a large signature.



Readings

1. Karl E. Case and Ray C. Fair, *Principles of Economics*, Pearson Education Inc., 8th Edition, 2007.
2. N. Gregory Mankiw, *Economics: Principles and Applications*, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition, 2007.
3. Joseph E. Stiglitz and Carl E. Walsh, *Economics*, W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition, 2007, H.L. Ahuja.

SEMESTER I

B.A. (Hons.) Economics, Semester-I, Core-2
Course: Mathematical Methods in Economics-I
Course Code: F07
Course Credit: (4+1)

MATHEMATICAL METHODS IN ECONOMICS-I

Course Outcomes

The course hones and upgrades the mathematical skills acquired in school and paves the way for the first semester course Mathematical Methods in Economics I. The analytical tools introduced in this course have applications wherever optimisation techniques are used in business decision-making. These tools are necessary for anyone seeking employment as an analyst in the corporate world. The course additionally makes the student more logical in making or refuting arguments.

Course Outline

Unit: 1

Variables, constants and parameters; Equations and Identities; Sets and Set operations;

Unit: 2

Relations and functions; types of functions: constant & polynomial functions; sequences and series; arithmetic & geometric progression

Unit: 3

The derivative and the slope of a curve; process of differentiation; derivatives of first and second order; condition of maxima and minima of a function

Unit: 4

Application of differentiation in economics-elasticity of demand, cost and revenues, conditions for profit maximization in perfect, monopoly & monopolistic competitions.

Unit: 5

Integration of function- Simple concepts, Consumer and Producer's surplus

Given consent online
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Prof. Niti Jain

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4. Richard T. Froyen, *Macroeconomics*, Pearson Education Asia, 2nd edition, 2005.
5. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7th edition, 2011.
6. Errol D'Souza, *Macroeconomics*, Pearson Education, 2009.
7. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, *International Economics*, Pearson Education Asia, 9th edition, 2012.

SEMESTER II

B.A. (Hons.) Economics, Semester-II, Core-4

Course: Mathematical Methods in Economics-II

Course Code: F08

Course Credit: (4+1)

MATHEMATICAL METHODS IN ECONOMICS - II

Course Outcomes

The course provides the mathematical foundations necessary for further study of a variety of disciplines including postgraduate economics, statistics, computer science, finance and data analytics. The analytical tools introduced in this course have applications wherever optimization techniques are used in business decision-making for managers and entrepreneurs alike. These tools are necessary for anyone seeking employment as an analyst in the corporate world.

Course Outline

Unit: 1

Linear Programming: Graphical solution and its application in economics, Duality

Unit: 2

Matrix: various types, addition and subtraction, multiplication of matrix.

Unit: 3

Determinants, singular matrix, inverse of a matrix, solution of simultaneous equations through crammer's rule.

Unit: 4

Game theory-simple and mixed strategy, saddle point solution, prisoner's dilemma

Readings:

K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, Pearson Educational Asia: Delhi, 2002.

SEMESTER II

B.A. (Hons.) Economics, Semester-II, Generic Elective (GE-2)

Course: Introductory Macroeconomics

Course Code:

Course Credit: (4+1)

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SEMESTER I

B.A. (Hons.) Economics, Semester-I, Skill Enhancement Course (SEC-1)

Course: Money and Financial Market

Course Code: ECUATL1

Course Credit: (02)

Money and Financial Market

Course Outcomes

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Outline

1. Money

Concept, functions, measurement; theories of money supply

2. Financial Institutions, Markets, Instruments and Financial Innovations

Money and capital markets: organization, structure and reforms in India; role of financial institutions

3. Banking System

Indian banking system: Changing role and structure; banking sector reforms.

4. Central Banking and Monetary Policy

Central Bank: Functions, goals, targets, instruments of monetary control; current monetary policy of India.

Readings

1. F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009.
2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009.
3. L. M. Bhole and J. Mahakud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011.
4. M. Y. Khan, Indian Financial System, Tata McGraw Hill, 7th edition, 2011.
5. Various latest issues of R.B.I. Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

Given consent online
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3. Kaushik Basu, and A. Maertens (ed.), The Oxford Companion to Economics in India, Oxford University Press, 2007.
4. M.M Sury, Government Budgeting in India, Commonwealth Publishers, 1990.

SEMESTER IV

B.A. (Hons.) Economics, Semester-IV, AEC-4

Course: NSS and Entrepreneurship Development

Course Code:

Course Credit: (2)

NSS and Entrepreneurship Development

Course Objectives: The main objectives of this course are:

1. To help learners know about Value System in order to understand Social Responsibilities.
2. To appreciate the importance of Entrepreneurship Development for a better society.
3. To get in to the concept of Gender Sensitivity and Women Empowerment in order to promote gender equality.

Learning Outcomes

- : Learners will have the knowledge about value system and its role in the Indian Value System. They will be able to understand the concept of Women Empowerment and various scheme of Self – Employment Schemes for Entrepreneurship Development.

Unit 1 : Value System

- Meaning of Values, Types of Values
- Human Values & Social Responsibilities
- Indian Value System – the Concepts and its Features
- Eleven Vows

Unit 2 : Entrepreneurship Development

- Entrepreneurship Development – its meaning
- Attributes of Entrepreneur
- Women Entrepreneur

Unit 3: Gender Sensitivity and Women Empowerment

- Concept of Gender
- Causes behind Gender related problems and remedial measures.
- Meaning of Woman Empowerment

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- Various Schemes for Woman Empowerment in India

Unit 4 : Government and Self – Employment Schemes for Entrepreneurship Development

- Skill India
- Startup India
- Digital India
- Make in India
- NITI Aayog

Suggested Readings:

1. National Service Scheme Manual (Revised), 2006 Government of India, Ministry of Youth Affairs and Sports, New Delhi.
2. Rashtriya Seva Yojana Sankalpana - Prof. Dr. Sankey Chakane, Dr. Pramod /Pabrekar, Diamond Publication, Pune.
3. Case material as a Training Aid for Field Workers, Gurmeet Hans.
4. Social Service opportunities in Hospitals, Kapil K. Krishnan, TISS
5. New Trends in NSS, Research papers published by University of Pune.
6. ANOOGUNJ Research Journal, published by NSS Unit C. K. Thakur College
7. Joint Programme of National Service Scheme, University of Mumbai and DISHA -DEPSHIKHA Projects, Nair Hospital, 2011 -12.
8. National Service Scheme in India : A Case Study of Karnataka, M. B. Dishad, Trust Publications, 2001
9. <http://www.thebetterindia.com/140/national-service-scheme-nss/>
10. <http://en.wikipedia.org/wiki/national-service-scheme>
11. <http://nss.nic.in/adminstruct>
12. <http://socialworkness.org/about.html>
13. Dande V. C. - Rashtriya Seva Yojana Drushtikshep - February, 2016.

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