Program Objectives
B.A. (Hon.) Economics
(Under graduate programs offered by the department)

1. **Name oftheprogram:**   **Bachelor of Science inElectronics**
2. **ProgramSpecifications:**

SchoolofStudies: School of Social Sciences
Department: Economics
Program: B.A. (Economics) CBCSScheme
Head of the Department: Dr. Namita Sharma

Date of Approval in Board of Studies: 30.04.2019
Date of Last revision: 2018
Nextrevisiondue: 2021
3. **Mode ofStudy:**   Full time (Semestersystem):

Class room teaching; Demonstrative learning; Tutorials;
Project assignments;

PURPOSE OF THE COURSE:

The Board of Studiesis of the view that assessment should support and encourage the broad instructional goals such as basic knowledge of the discipline of Economics including concepts,fundamental theories and general principles. This should also support the ability to ask pertinent questions and to obtain solutions to these questions by using qualitative and quantitative reasoning. The important attributes of the students including appreciation of the all the subjects related to Economics, and they become curious, creative and innovative relating the social reality with Economics. With this in mind, we aim to provide a firm foundation inevery aspect of Economics. The mode of delivery should be such so as to impart the component of content related to Economics with clarity and convenience by developing practical, demonstrative and mathematical skills ofstudents.

PROGRAM OBJECTIVES:

The Programme alsoaims to develop the following abilities:
1. Read, understand and interpret economicaspects through – verbal, demonstrative,

   mathematical and graphicalmethods.

2. Equip students in methodology related to Research and Statistics.

3. Impart skills required to gather information from resources and use them (library and

   communicationskills).

4. To give need based education in Economics of the highest quality at the undergraduatelevel.

5. Offer courses to the choice of the students with skill based courses having interdisciplinary approach.

6. Provide an intellectually stimulating environment to develop skills and enthusiasms ofstudents to the best of theirpotential.

7. Use Information Communication Technology to gather knowledge atwill.

8. Attract outstanding students from allbackgrounds.

SKILLS:

The students after completing the program should inculcate the following skills:
- Understand the basic concepts of Economics and theiranalysis.
- Apply theoretical and/or demonstrative methods, including the use of numerical methods in Mathematical Economics and Statistics.
- Understand and analyze the basic concepts of different concepts of Economics.
- Able to enter into new problem areas that require an analytic and innovativeapproach.

PROGRAMME SPECIFIC OBJECTIVES:

- To develop strongcompetencies inunder graduate level students in broad fields of Economics and its applications in an interactiveenvironment.

- To develop strong student skills in simulation, data analysis, and interpretation.

- To prepare the students to successfully compete for employment in Economics, industries, research methods, data analysis, etc.

PROGRAMME OUTCOMES:
On completion of program, the graduates will

- Apply knowledge and skill in the field of Economics, research, statistics, mathematics and will be able to have the employability in these areas.
- Ready for working in the Economic world like banking, industries, Education, etc.

B.A. (Hons.) Economics based on CBCS System
(Three years/Six semesters)

School of Arts: BA (Hon's): Subject: -Economics

Semester	Course Opted	Course Code	Name of the course Objectives/Outcome	Credit	Hour / weak
I	Core-1	SS/EC/C-101	**Introductory Microeconomics Economics** This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.	5	5
	Core -1 Tutorial	SS/EC/C-T-101	Tutorial-1 based on Core-1	1	1
	Core -2	SS/EC/C-102	**Mathematical Methods for Economics-I** This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus.	5	5

			In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.		
	Core -2 Tutorial	SS/EC/C-T-102	Tutorial-2 based on Core-2	1	1
	Generic Elective (GEI)-1	SS/EC/GE-101/C	From pool of Generic elective courses	5	5
	Generic Elective - Tutorial	SS/EC/GE-T-101/PS	Tutorial-1 based on Generic Elective-1	1	1
	Ability Enhancement Compulsory Course (AECC)	SS/EC/AE-101/EC	Environmental Science	4	4
	ECA	SS/EC/ECA-101	ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS//Yoga/ Swachhta/ sports/ community service/ others	2	(2)
			TOTAL	24	24
II	Core-3	SS/EC/C-203	**Introductory Macroeconomics** This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.	5	5
	Core -3 Tutorial	SS/EC/C-T-203	Tutorial-3 based on Core-3	1	1
	Core -4	SS/EC/C-204	**Mathematical Methods for**	5	5

			Economics-II This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.		
	Core -4 Tutorial	SS/EC/C - T-204	Tutorial-4 based on Core-4	1	1
	Generic Elective (GEI-B)-2	SS/EC/GE-202/PS	From pool of Generic elective courses	5	5
	Generic Elective - Tutorial	SS/EC/GE-T-202/PS	Tutorial-2 based on Generic Elective-2	1	1
	Ability Enhancement Compulsory Course (AECC)	SS/EC/AE-201/ES	English Communication/ MIL (Hindi Communication)	4	4
	ECA		ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others	2	(2)
			Total	24	24
SUMMER Internship: 15 days (Optional)		**Swayam Swachhta / NSS / Industrial/ others**		**2**	**100**
III	Core-5		**Intermediate Microeconomics-I**	5	5
	Core -5 Tutorial		Tutorial-5 based on Core-5	1	1
	Core -6		**Intermediate Macroeconomics-I**	5	5
	Core -6 Tutorial		Tutorial-6 based on Core-6	1	1

	Core - 7		**Statistical Methods for Economics**	5	5
	Core – 7 Tutorial		Tutorial-7 based on Core-7	1	1
	Generic Elective (GEII-A)-1		From pool of Generic elective courses	5	5
	Generic Elective - Tutorial		Tutorial-3 based on Generic Elective-3	1	1
	Skill Enhancement Course (SEC -1)		From pool of Skill Enhancement Course (SEC -1)	4	4
			Total	28	28
IV	Core-8		**Intermediate Microeconomics-II**	5	5
	Core -8 Tutorial		Tutorial-8 based on Core-8	1	1
	Core -9		**Intermediate Macroeconomics-II**	5	5
	Core -9 Tutorial		Tutorial-9 based on Core-9	1	1
	Core - 10		**Introductory Econometrics**	5	5
	Core – 10 Tutorial		Tutorial-10 based on Core-10	1	1
	Generic Elective (GEII-B)-2		From pool of Generic elective courses	5	5
	Generic Elective - Tutorial		Tutorial-4 based on Generic Elective-4	1	1
	Skill Enhancement Course (SEC -2)		From pool of Skill Enhancement Course (SEC -2)	4	4
				28	28
SUMMER Internship: 15 days (Optional)		**Swayam Swachhta / NSS / Industrial/ others**		**2**	**100**
V	Core-11		**Indian Economy-I**	5	5
	Core -11 Tutorial		Tutorial-11 based on Core-11	1	1
	Core -12		**Development Economics-I**	5	5
	Core -12 Tutorial		Tutorial-12 based on Core-12	1	1
	Discipline Specific Elective (DSE-1)	SS/EC/DSE-501A	A **Economic History of India (1857-1947)** B **Topics in Microeconomics-I**	5	5
	DSE-1 - Tutorial		Tutorial-1 based on DSE-1	1	1
	Discipline Specific Elective (DSE-2)		A **Money and Financial Markets** B **Public Economics**	5	5
	DSE-2 - Tutorial		Tutorial-2 based on DSE-2	1	1
				24	24

		Core-13		Indian Economy-II	5	5
VI		Core -13 Tutorial		Tutorial-13 based on Core-13	1	1
		Core -14		Development Economics-II	5	5
		Core -14 Tutorial		Tutorial-14 based on Core-14	1	1
		Discipline Specific Elective (DSE-3)		A Environmental Economics B Topics in Microeconomics-II	5	5
		DSE-3 - Tutorial		Tutorial-3 based on DSE-3	1	1
		Discipline Specific Elective (DSE-4) + DSE-4 – Tutorial Or Dissertation/ Project work followed by seminar	SS/EC/PD	A International Economics B Dissertation/Project Viva-Voce	5+1=6 Or 5 +1=6	6
					24	24
				TOTAL Credits	**152 + 4 (SI)**	

SEMESTER I

B.A. (Hons.) Economics, Semester-I, Core-1
Course: Introductory Microeconomics
Course Code: SS/EC/C-101
Course Credit: (5+1)

INTRODUCTORY MICROECONOMICS

Course Description
This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.

Course Outline

1. Exploring the subject matter of Economics
Meaning and Definitions of Economics, Importance, Scope and methods of studying Economics; The economic problem: scarcity and choice; The question of what to produce, how to produce and how to distribute.

2. Supply and Demand:
 Determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts

in the demand/supply curve, demand and supply together; elasticity of Demand and Supply and its application; consumer surplus.

3. The Households
The consumption decision - budget constraints, properties of indifference curves; income and substitution effects;

4. The Firm and Market Structures
Meaning, definitions, classifications of Markets; price and output determination under Perfect Competition, Monopoly and Monopolistic Competition

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: SS/EC/C-102
Course Credit: (5+1)
MATHEMATICAL METHODS FOR ECONOMICS–I

Course Description
This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Course Outline

Unit: 1
Variables, constants and parameters; Equations and Identities; the real number system; sets and set operations;

Unit: 2

Relations and functions; types of functions: constant & polynomial functions; sequences and series: arithmetic & geometric progression and their use in economics.

Unit: 3
The derivative and the slope of a curve; process of differentiation; condition of maxima and minima of a function; Application of differentiation in economics-elasticity of demand, cost and revenues, conditions for profit maximization in simple market problems.

Unit: 4
Integration of a function- Simple concepts, Consumer and Producer's surplus.

Readings:
K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, PearsonEducational Asia: Delhi, Latest edition.
SEMESTER II

B.A. (Hons.) Economics, Semester-I, Core-3
Course: Introductory Macroeconomics
Course Code: SS/EC/C-203
Course Credit: (5+1)

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INTRODUCTORY MACROECONOMICS

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Course Description
This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.

Course Outline

1. Introduction to Macroeconomics and National Income Accounting
Basic issues studied in macroeconomics; measurement of gross domestic product; income, expenditure and the circular flow , balance of payments: current and capital accounts.

2. Money
Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy

3. Inflation
Types of inflation, causes and Impact of inflation

4. The Closed Economy in the Short Run
Classical and Keynesian systems; simple Keynesian model of income determination; IS-LM model;   monetary multipliers

Readings:
1. Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. *Macroeconomics,* Worth Publishers, 7th edition, 2010.
3. Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 5th edition, 2009.
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: SS/EC/C-204
Course Credit: (5+1)

MATHEMATICAL METHODS IN ECONOMICS - II

Course Description
This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Course Outline

Unit: 1
Linear Programming: Graphical solution and it's 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*, PearsonEducational Asia: Delhi, Latest edition.