

Program and Course Structure

School of Business Studies

BA (Hons.)

Applied Economics

Batch (2018-21)

1. Standard Structure of the Program at University Level

1.1 Vision, Mission and Core Values of the University

Vision of the University

To serve the society by being a global University of higher learning in pursuit of academic excellence, innovation and nurturing entrepreneurship.

Mission of the University

- Transformative educational experience
- Enrichment by educational initiatives that encourage global outlook
- Develop research, support disruptive innovations and accelerate entrepreneurship
- Seeking beyond boundaries

Core Values

- Integrity
- Leadership
- Diversity
- Community

1.2 Vision and Mission of the School

Vision of the University

To be centre of excellence of global reputation in business education to foster, learning attitude, professional prudence, creativity, entrepreneurship, and leadership accountable to the society.

Mission of the University

M1: Creating a stimulating learning environment

M2: Consolidating professional skills and attitude

M3: Growing our research acumen, teaching, and industry linkages

M4: Delivering leading-edge knowledge in management, business, development, leadership and global economy for society.

Core Values

- Integrity
- Leadership
- Diversity
- Community

1.3 Programme Educational Objectives (PE

1.3.1 Writing Programme Educational Objectives (PEO)

Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

PEO1: have leadership capacity to take decisive action by analyzing ideas, events, activities and policies

PEO2: have professional competence to contribute to industry, government and society under the prevailing economic environment

PEO3: have national and global ethical standards in professional and personal life

Methods of Forming PEO's

STEP1: The needs of the Nation and society are identified through scientific publications, industry interaction and media.

STEP2: Taking the above into consideration, the PEOs are established by the Coordination Committee of the department.

STEP3: The PEOs are communicated to the alumni and their suggestions are obtained.

STEP4: The PEOs are communicated to all the faculty members of the department and their feedback is obtained.

STEP5: The PEOs are then put to the Board of Studies of the department for final approval.

1.3.2 Map PEOs with Mission Statements:

Statements	School Mission 1	School Mission 2	School Mission 3	School Mission 4
PEO1:	2	1	-	3
PEO2:	3	1	2	2
PEO3:	1	2	-	2

Enter correlation levels 1, 2, or 3 as defined below:

- 1. Slight (Low) 2. Moderate (Medium) 3. Substantial (High)**

If there is no correlation, put “-“

1.3.3 Program Outcomes (PO's)

PO1: demonstrate **logical reasoning and analytical thinking** by imbibing economic concepts and their application through the use of mathematical, statistical and software tools

PO2: assess the contemporary economic and business scenario to assist/lead through **inquiry and critical thinking** in obtaining workable solutions in the light of events, issues, constraints and prevailing policy/regulations

PO3: **explain and communicate** the processes of economic development and their interaction with the global economy

PO4: apply the cooperative, sustainable and interdisciplinary approach through **application and problem-solving skills** to get valuable outcome at work

PO5: excel in competitive examinations for employment and post-graduate studies in leading universities across the world through **expression** and **representation** skills.

PSO1: demonstrate competence to express and engage in a dignified career opportunity as a graduate in the field of business and economics in particular

PSO2: exhibit confidence in applying knowledge of economics, statistics and software packages

PSO3: communicate with and relate to the surroundings with the urge for continuous learning

PSO4: command respect with sound personal character and excellence in performance.

[Note1: For developing PO's and PSO's please see annexures.

Note 2: The Standard PO's has been defined by NBA for Engineering and Pharmacy programme. Others Schools can prepare PO's for their respective programmes and it is not mandatory to have 12/11 PO's, it may be less also.]

1.3.4 Mapping of Program Outcome Vs Program Educational Objectives

	PEO1	PEO2	PEO3
PO1	2	3	1
PO2	3	2	1
PO3	3	2	1
PO4	2	2	1
PO5	2	2	3
PSO1	3	3	1
PSO2	3	2	1
PSO3	2	2	3
PSO4	2	2	3

PEO1: have leadership capacity to take decisive action by analyzing ideas, events, activities and policies

PEO2: have professional competence to contribute to industry, government and society under the prevailing economic environment

PEO3: have national and global ethical standards in professional and personal life

1. Slight (Low)

2. Moderate (Medium)

3. Substantial (High)

1.3.5 Program Outcome Vs Courses Mapping Table¹:

Program Outcome Courses	Course Name	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Sem-1										
Course 101.1	Mathematics for Business and Economics I	3	3	1	3	1	2	2	1	1
Course 101.2	Introductory Microeconomics I	3	3	1	3	1	2	2	1	1
Course 101.3	Statistics for Business and Economics I	3	3	1	3	1	2	2	1	1
Course 101.4	Functional English I	-	-	2	-	2	3	-	3	1
Course 101.5	Open Elective Course	-	-	-	-	-	1	-	2	1
Course 101.6	Principles of Management	3	2	1	3	2	2	-	1	-
Sem-2										
Course 201.1	Mathematics for Business and Economics II	3	3	1	3	1	2	2	1	1
Course 201.2	Introductory Microeconomics II	3	3	1	3	1	2	2	1	1
Course 201.3	Statistics for Business and Economics II	3	3	1	3	1	2	2	1	1
Course 201.4	Functional English II	-	-	2	-	2	3	-	3	1
Course 201.5	Open Elective Course	-	-	-	-	-	1	-	2	1
Course 201.6	Human Resource Management	1	1	3	1	2	2	-	2	-
Course 201.7	Field Work Paper	-	-	1	-	1	-	-	1	-
Semester 3										
Course 301.1	Public Economics	1	3	2	2	2	1	1	1	-
Course 301.2	Introductory Macroeconomics	2	2	1	2	1	2	2	1	-
Course	Basic Econometrics	3	3	1	2	1	3	3	2	-

¹ Cel value will contain the correlation value of respective course with PO.

301.3										
Course 301.4	Environmental Studies	1	1	-	1	1	-	-	1	1
Course 301.5	Open Elective Course	-	-	-	-	-	1	-	2	1
Course 301.6	Marketing Management	2	1	1	2	1	1	-	1	-
Course 301.7	Field Work Paper	-	-	1	-	1	-	-	1	-
Sem - 4										
Course 401.1	Money and Financial Markets	2	2	1	1	1	2	-	1	-
Course 401.2	Development Economics	2	3	2	2	1	2	1	2	1
Course 401.3	Intermediate Econometrics	3	3	1	2	1	3	3	2	-
Course 401.4	IT Skills and data analysis	3	1	1	2	1	3	3	-	-
Course 401.5	Open Elective Course	-	-	-	-	-	1	-	2	1
Course 401.6	Accounting for Business Decisions	1	2	1	1	2	1	-	1	-
Course 401.7	Field Work Paper	-	-	1	-	1	-	-	1	-
Sem - 5										
Course 501.1	Economics of Organization	2	1	2	3	1	2	-	1	-
Course 501.2	International Economics I	2	1	1	2	1	2	1	1	-
Course 501.3	Economic Research Methods with R	3	2	1	2	1	3	3	1	-
Course 501.4	Total Personality Development	-	-	2	-	2	1	-	2	-
Course 501.5	Discipline Specific Elective 1	1	1	-	1	-	1	-	1	-
Course 501.6	Discipline Specific Elective 2	1	1	-	1	-	1	-	1	-
Course 501.7	Discipline Specific Elective 3	1	1	-	1	-	1	-	1	-
Course 501.8	Summer Internship Project Paper	-	-	1	-	1	-	-	1	-
Sem 6										
Course 601.1	Indian Economy	1	2	2	1	2	1	-	1	-
Course 601.2	Structure of Global Economy	1	2	1	1	2	1	-	1	-

Course 601.3	Economic Modelling	2	2	1	2	1	2	2	1	-
Course 601.4	Discipline Specific Elective 4	1	1	-	1	-	1	-	1	-
Course 601.5	Discipline Specific Elective 5	1	1	-	1	-	1	-	1	-
Course 601.6	Discipline Specific Elective 6	1	1	-	1	-	1	-	1	-
Course 601.7	Research Essay/ Report	1	1	1	1	1	1	1	1	-

1. Slight (Low)

2. Moderate (Medium)

3. Substantial (High)

Program Structure Template
School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-2020
TERM: I

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ² : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.		BEC 119	Mathematics for Business and Economics I	4	0	0	4		CC
2.		BEC 120	Introductory Microeconomics I	4	0	0	4		CC
3.		BEC 121	Statistics for Business and Economics I	4	0	0	4		CC
4.		FEN 101	Functional English I	1	0	2	2		AECC
5.			Open Elective Course						
6.		BBA 143	Principles of Management	4	0	0	4		GE
Practical/Viva-Voce/Jury									
7.									
8.									
TOTAL CREDITS							18		

² CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-202
TERM: II

S.No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ³ : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.			Mathematics for Business and Economics II	4	0	0	4		CC
2.			Introductory Microeconomics II	4	0	0	4		CC
3.			Statistics for Business and Economics II	4	0	0	4		CC
4.		FEN 102	Functional English II	1	0	2	2		AECC
5.			Open Elective Course	2	0	0	2		
6.			Human Resource Management	4	0	0	4		GE
Practical/Viva-Voce/Jury									
7.			Field Work Paper	0	0	6	3		P
TOTAL CREDITS							23		

³ CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-2020
TERM: III

S.No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ⁴ : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.			Public Economics	4	0	0	4		CC
2.			Introductory Macroeconomics	4	0	0	4		CC
3.			Basic Econometrics	4	0	0	4		CC
4.			Environmental Studies				2		AECC
5.			Open Elective Course	2	0	0	2		
6.			Marketing Management	4	0	0	4		GE
Practical/Viva-Voce/Jury									
7.			Field Work Paper	0	0	6	3		P
TOTAL CREDITS							23		

⁴ CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-2020
TERM: IV

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ⁵ : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.			Money and Financial Markets	4	0	0	4		CC
2.			Development Economics	4	0	0	4		CC
3.			Intermediate Econometrics	4	0	0	4		CC
4.			IT Skills and data analysis				2		SEC
5.			Open Elective Course	2	0	0	2		
6.			Accounting for Business Decisions	4	0	0	4		GE
Practical/Viva-Voce/Jury									
7.			Field Work Paper	0	0	8	4		
TOTAL CREDITS							24		

⁵ CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-2020
TERM: V

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ⁶ : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.			Economics of Organization	4	0	0	4		CC
2.			International Economics I	4	0	0	4		CC
3.			Economic Research Methods with R	4	0	0	4		CC
4.			Total Personality Development				3		SEC
5.			Introduction to Energy Economics/ Applied Econometrics/ Microeconomic Analysis/ Economics of Health and Education/ Global Economic Issues (Any 3 to be opted by a student)	12	0	0	12		DSE
Practical/Viva-Voce/Jury									
6.			Summer Internship Project Paper	0	0	8	4		P
TOTAL CREDITS							31		

⁶ CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

School of Business Studies
B A (Hons.) Applied Economics
Batch: 2017-2020
TERM: VI

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course ⁷ : 1. CC 2. AECC 3. SEC 4. DSE
				L	T	P			
THEORY SUBJECTS									
1.			Indian Economy	4	0	0	4		CC
2.			Structure of Global Economy	4	0	0	4		CC
3.			Economic Modelling	4	0	0	4		CC
4.			Economics of Internet and E-Commerce/ Financial Market Economics/ Macroeconomic Analysis/ Public Policy and Governance/ Economic Way of Thinking(Any 3 to be opted by a student)	12	0	0	12		DSE
Practical/Viva-Voce/Jury									
5.			Research Essay/ Report	0	0	8	4		P
TOTAL CREDITS							28		

⁷ CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

Course Templates

Course 101.1
Mathematics for Business and Economics I

School: School of Business Studies		Batch : FOR STUDENTS BATCH – BA (Hons) Applied Economics (2018 – 2021)
Program: BA (Hons) Applied Economics		Current Academic Year: 2018- 19
Branch: -		Semester: I
1	Course Code	BEC 010
2	Course Title	Mathematics for Business and Economics I
3	Credits	03
4	Contact Hours	4-0-0
	Course Status	Compulsory
5	Course Description	This course is a precursor to Mathematics for Business and Economics - II to be offered in the second semester. Mathematics for Business and Economics - I will instruct the students on basic quantitative tools like basic logic and single variable calculus. It will build a critical step towards economic analysis and will focus on the application of mathematical techniques to economic theory.
6	Course Objective	<ul style="list-style-type: none"> - To illustrate the crucial inter-linkage between economics and mathematics and how quantitative tools help in economic analysis - To make the students develop an approach to limits, continuity and derivatives geometrically as well as theoretically, so as to visualize economic problems in a mathematical space - To make students demonstrate the concept of a differential and to show how points of optima are reached - To make students grasp the basic concept of an integral and to visualize it in relation to a differential - To make students analyze different economic concepts using all the abovementioned mathematical tools
7	Course Outcomes	On completion of this course the learners will be able to CO 1. Describe basic concepts of set theory and illustrate fundamental mathematical functions geometrically CO 2. Employ various single variable differentiation techniques used in

		<p>economic analysis like total vs. marginal concepts, slopes of demand and supply curves, etc.</p> <p>CO 3. Apply single variable optimization tools to economic problems like like profit maximization using mathematical and geometric representations</p> <p>CO 4. Assess the concepts of economics in relation to limits, continuity and series like present discounted value, net present value, etc.</p> <p>CO 5. Illustrate elementary concepts of integrals in the form of areas under the curve and with respect to the total vs. marginal concept</p>	
8	Outline syllabus		
	Unit A	Introduction to Mathematical Theory and Notation	
	A 1	Number system, logic and set theory	CO1
	A 2	Geometrical interpretations and graphs	CO1
	A 3	Basic single variable functions – linear, polynomials, power functions and exponential functions	CO1
	Unit B	Single Variable Differentiation	
	B 1	Basic concept of slopes and derivatives	CO2
	B 2	Second and higher order derivatives	CO2
	B 3	Basic rules of differentiation	CO2
	Unit C	Single Variable Optimization	
	C 1	Locating extreme points using first derivative	CO3
	C 2	local maxima and minima	CO3
	C 3	Concave and convex functions and inflection points	CO3
	Unit D	Limits, Continuity and Series	
	D 1	One sided limits and limits at infinity	CO4
	D 2	Continuous functions, one sided continuity and differentiability	CO4
	D 3	Finite and infinite geometric series, present discounted values and investment	CO4
	Unit E	Integration	
	E 1	Areas under the curve, indefinite and definite integrals	CO5
	E 2	Economic application of integration	CO5
	E 3	Integration by parts	CO5

	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30% One quiz and one assignment due after completion of every unit	20%	50%	
	Text book/s*	Prentice Hall, Knut Sydsaeter and Peter J. Hammond (2002)			
	Other References	Guided study will include text readings, assignments, case analysis and power point presentations as well as videos that help in building imagination and visualization.			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	-	2	1	-	1	2	1	1
CO2	1	1	-	2	1	-	-	1	2
CO3	-	1	2	1	1	3	1	-	-
CO4	1	1	2	2	1	1	1	-	-
CO5	1	-	1	-	-	1	-	-	-

Course 101.2
Introductory Microeconomics I

Course 101.3
Statistics for Business and Economics I

Course 101.4
Functional English I

Course 101.6 Principles of Management

School:		SBS	Batch : 2018-21
Program:		BBA	Current Academic Year: 2018-19
Branch:		Semester:1	
1	Course Code	BBA 143	
2	Course Title	Principles of Management	
3	Credits		
4	Contact Hours (L-T-P)	4-0-0	
	Course Type	Compulsory	
5	Course Objective	1.To understand the concepts of management as and how it can be applied to current environment of the workplace. 2.To describe planning process and its importance, evaluation and limitations. 3.To know basic organizational structure and levels of hierarchy. 4.To understand how managers direct, communicate and motivate employees through leadership.	
6	Course Outcomes	CO1: The student will be able to describe various functions of management. CO2: The student will be able to explain the various theories and principles related to management. CO3: The student will be able to apply the elements of organizing and directing in taking managerial decisions. CO4: The student will be able to analyse various organizational designs and challenges for managing the organization effectively.	
7	Course Description	The main aim of this course is to develop the understanding about the basic concepts, principles and various theories of management for the benefit of the students aspiring for acquiring managerial positions in national or international organizations in the upcoming future. The course delivers the deep knowledge about the essential functions of management i.e. Planning, Organising, Staffing, Directing & Controlling. It also provides the awareness the nature and evolution of management. This course also emphasises on conceptual clarity, working of business processes and applications of basic management concepts in the organizations.	
8	Outline syllabus		CO Mapping
	Unit 1	Introduction to Management and Evolution of Management Theories	
	A	Management: Concept and Function, Levels of Management, Managerial roles and skills	CO1
	B	Management Science or Art, Management as Profession, Administration Vs Management	CO1
	C	Classical Management theory: F. W. Taylor, Fayol's principles	CO1,CO2

	Unit 2	Managing Contemporary Planning	
	A	Introduction of planning, Types of Plan: Budget, Policy, Procedure, methods, and rules	CO1
	B	Introduction to strategic, operational, and tactical planning	CO1,CO4
	C	Planning process and limitations	CO1
	Unit 3	Managing Contemporary Organization	
	A	Defining organization structure- Division of work, Departmentalization, Hierarchy (Chain of command and Span of Control)	CO1,CO4
	B	Authority, Responsibility and Delegation, Centralization and Decentralization	CO1
	C	Common organizational Designs- Traditional Designs (Simple, Functional, divisional), Contemporary Designs (Team structures, Matrix/project structures, boundary less organization)	CO1,CO4
	Unit 4	Directing	
	A	Meaning and Significance of Directing	CO3,CO4
	B	Meaning and Importance of Communication, Motivation	CO1,CO3
	C	Meaning and Importance of Leadership, Supervision	CO3,CO3
	Unit 5	Controlling	
	A	Concept and process of control in organisation	CO1
	B	Types of control - Feedback, Feed forward, Concurrent	CO1
	C	Challenges before future Managers	CO4
	Mode of examination	Theory/Jury/Practical/Viva	
	Weightage Distribution	CA 30%	ETE 50%
	Text book/s*	L M Prasad, Principles & Practices of Management, Sultan Chand & Sons, 2007	
	Other References	Koontz O'Donnel – Principles of Management Management by VSP Rao, Excel Publications Robbins & Coulter – Management, Prentice Hall of India, 9th edition	

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	1	1	1	1	-	-	-	-
CO2	1	1	1	1	2	-	-	-	-
CO3	2	1	1	1	2	-	-	-	-
CO4	1	1	1	2	2	-	-	-	-

Course 201.1 Mathematics for Business and Economics II

School: SBS		Batch : 2018-19	
Program: BA Economics		Current Academic Year: 2018-19	
Branch:		Semester: 02	
1	Course Code	BEC122	
2	Course Title	Mathematics for Business and Economics 2	
3	Credits	3	
4	Contact Hours (L-T-P)	3-0-0	
	Course Type	Compulsory /Elective/Open Elective	
5	Course Objective	1 – To familiarize the student with multivariate mathematical analysis 2 – To provide a context of economics in the reference to mathematical techniques and to make the student realize the importance of mathematics in the analysis of economics 3 – To develop logical reasoning, visualization of problems and solutions and to develop an analytical thinking framework for tackling advanced problems in economics as well as in life	
6	Course Outcomes	CO1: The student will be able to describe multivariate mathematical techniques CO2: The student will be able to interpret economic analysis in a mathematical framework CO3: The student will be able to apply and analyse microeconomics, macroeconomics, basic econometrics and other basic economic subjects in the context of mathematics	
7	Course Description	This is Part 2 of a course in mathematical analysis for undergraduate economics. It covers basic aspects of multivariate linear analysis as well as basic multivariate calculus.	
8	Outline syllabus		CO Mapping
	Unit 1	Functions of Several Variables and Tools for Comparative Analysis	
	A	Functions of two or more variables Geometric Interpretation Level Curves	CO1, CO2
	B	Partial Derivatives Quadratic Forms Chain Rule and Derivatives of Functions defined Implicitly	CO1, CO2
	C	Partial Elasticities Homothetic and Homogenous Functions Implicit Differentiation	CO1, CO2
	Unit 2	Multivariate Optimization	

	A	Simple 2 Variable Optimization Maxima, Minima and a dash of Topology The Extreme Value Theorem	CO1, CO3		
	B	Local Extreme Points Concave and Convex Functions Convex Sets	CO1, CO3		
	C	Second Derivative Tests for Concavity and Convexity Quasi Concave and Quasi Convex Functions	CO1, CO3		
	Unit 3	Multivariate Constrained Optimization			
	A	Lagrange Multiplier Method Two variables and One Constraint	CO1, CO2		
	B	Sufficient Conditions Economic Interpretation of the Lagrangean Multiplier	CO1, CO2		
	C	More general Lagrangean Problems	CO1, CO2		
	Unit 4	Matrix Algebra – Addition, Subtraction, Multiplication and Inverse			
	A	Vectors, Matrices and Geometric Interpretations Matrix Operations	CO2, CO3		
	B	Matrix Multiplication and Determinants Inverse of a Matrix	CO2, CO3		
	C	Cramer's Rule	CO2, CO3		
	Unit 5	Further Topics in Matrix Algebra			
	A	Linear Independence and Rank of a Matrix	CO2, CO3		
	B	Main Results on Linear Systems of Equations	CO2, CO3		
	C	Eigenvalues Diagonalization	CO2, CO3		
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	1. "Mathematics for Economic Analysis", Sydsaeter Knut, Hammond Peter J., Prentice Hall			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	3	-	2	2	-	2	1
CO2	2	2	2	3	1	1	2	-	1	3
CO3	1	1	-	1	2	-	2	2	1	2

Course 201.3
Statistics for Business and Economics II

Course 201.4
Functional English II

Course 201.6 Human Resource Management

School: SBS		Batch: 2017-2020
Program: BA (Hons)		Current Academic Year:
Branch:		Semester:II
1	Course Code	
2	Course Title	Human Resource Management
3	Credits	4
4	Contact Hours (L-T-P)	4-0-0
	Course Status	Regular
5	Course Objective	<ol style="list-style-type: none"> 1. To impart basic knowledge about HRM concepts. 2. To build students' interest and capability to perform basic HRM functions and tasks. 3. To familiarize students with the different aspects of managing people in the organization through the process of acquisition, development and retention. 4. To apply the principles and techniques of human resource management gained through this course.
6	Course Outcomes	<p>The student will be able to:</p> <p>CO1: Identify current issues and challenges, emerging trends, key concepts and terminologies of human resource management.</p> <p>CO2: Describe each of the major HRM functions and processes of manpower planning, job analysis, recruitment, selection, training and development, compensation and benefits, and performance appraisal.</p> <p>CO3: Apply the various functions and techniques of human resource management.</p> <p>CO4: Analyse the dynamics of how the human resource department and the company strategically work together to improve employee' job satisfaction and return on investment.</p>
7	Course Description	<p>The course has been designed to enable the students to learn about the exciting world of today's Human Resources Management. This course also focuses at providing the students the inputs on how to link the HRM functions to the corporate strategies, to understand HR as a strategic resource, to learn the concept and functions of human resource management. Further, this course highlights important HR challenges and Issues that are faced by managers and employees in today's business</p>

		environment.	
8	Outline syllabus		CO Mapping
	Unit 1	Basics of HRM	
	A	Human Resources- Meaning; Concept & Scope; Evolution of HRM, PM Vs HRM, SHRM Vs HRM	CO1, CO4
	B	HRM: HRM Functions-Managerial & Operative; Current Issues & Challenges, HR as competitive advantage	CO1, CO4
	C	Objectives of HRM, Role of HR Manager, HR Plans & Policies	CO1, CO4
	Unit 2	Manpower Planning & Recruitment	
	A	Job Analysis-meaning-Job Description & Job Specification, Implications of Job Analysis	CO2, CO3
	B	Manpower Planning- Purpose & Process, Demand & Supply Forecasting Techniques	CO2, CO3
	C	Recruitment-Concept, Sources, Process	CO2, CO3
	Unit 3	Selection & Induction	
	A	Selection Concept- Meaning & Purpose	CO2, CO3
	B	Selection Process (From Screening to Induction)	CO2, CO3
	C	Induction / Orientation-Concept & Process	CO2, CO3
	Unit 4	Training	
	A	Training-Importance, objectives & Process (ADDIE Model), Difference b/w Education, Training & Development	CO2, CO3
	B	Methods of Employee Training – On the Job Methods (Apprenticeship, Mentoring & Job Rotation)	CO2, CO3
	C	Training-Off the Job Methods (Lectures, Vestibule Training, Case Analysis)	CO2, CO3
	Unit 5	Performance Appraisal & Compensation	
	A	Job Evaluation, Concept and Objectives of Performance Appraisal, Process of Performance Appraisal	CO2, CO3
	B	Rating & Ranking Method, Forced Distribution, 360 Degree Appraisal, Errors in Performance appraisal	CO2, CO3
	C	Basic concept of Compensation, Direct & Indirect Compensation Components	CO2, CO3
	Mode of examination	Theory	
	Weightage Distribution	CA 30%	MTE 20%
			ETE 50%
	Text book/s*	<ul style="list-style-type: none"> Human Resource Management, K Aswathappa, McGraw Hill, New Delhi 	
	Other References	<ul style="list-style-type: none"> Human Resource Management: Text and Cases, Rao VSP, Second edition, Excel Books, New Delhi. Fundamentals of Human resource Management, Decinzo Robbins, Eleventh Edition, Wiley 	

PO COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	...	1	2	1	2	1
CO2	1	2	1	1	1
CO3	1	1	...	2	1	2	1	2	2
CO4	1	1	1	1	1	2	1	1	2

Course 201.7 Field Work Paper

School: SBS		Batch : 2018 -2021
Program:		B.A. (Hons.) Applied Economics
		Current Academic Year: 2018-2019
Branch:		Semester: II
1	Course Code	
2	Course Title	Field Work Term Paper
3	Credits	3
4	Contact Hours (L-T-P)	0-0-3
	Course Type	Compulsory
5	Course Objective	<ol style="list-style-type: none"> 1. To provide skills in analysis of economic activities 2. To orient them towards use of statistics which are critical in economic decision making. 3. To expose the learners into application of economic concepts in daily lives. 4. To make them conscious about interaction of economic activities around them.
6	Course Outcomes	<p>CO1: Describe the terminologies essential for explanation of real life economic phenomenon.</p> <p>CO2: Understand constraints and scope of Economic theories and concepts in explaining activities around us.</p> <p>CO3: Apply the tools of economics for explanation of policies and market mechanism</p> <p>CO4: Analysis of specific product or cases in details.</p> <p>CO5: Evaluate market/policy decisions in local and global scenarios.</p>
7	Course Description	<p>The term paper/field work is introduced as a separate course in B.A. Hons. Applied Economics to orient students towards expression of learnt concepts of economics with the help of economic activities around them. It is expected from students and the concerned faculty to develop individual term papers in each semester on any relevant topic/s, based on the courses taught in that vary semester.</p>

8	Outline syllabus		CO Mapping
	Unit A	Selection and Understanding the title of the term paper	CO1
	A 1	Indicators of Economic Development associated with the title of the term paper.	CO1
	A 2	Indicators of economic activities/area/economic sector under consideration.	CO1
	A 3	Glossary of the terms related to the topic	CO1
	Unit B	Background of the topic	CO2
	B 1	Investigation of published report, surveys and articles related to the selected topic	CO2
	B 2	Classification of literature available on the selected topic	CO2
	B 3	Summarization of the exiting work available on the selected topic	CO2
	Unit C	Data sources and Data Interpretation	CO2, CO3
	C 1	Selection of data sources; primary/secondary for the topic	CO2, CO3
	C 2	Interpretation of collected data related to the topic	CO2, CO3
	C 3	Compilation of Data based selected indicators	CO2, CO3
	Unit D	Analysis of historical and future trends	CO3
	D 1	Historical Trends in Sector	CO3
	D 2	Future Predictions about the Sector	CO3
	D 3	Interpretation of Trends	CO3
	Unit E	Conclusion and Summarization of the work	CO4
	E 1	Logical explanations of patterns	CO4
	E 2	Impact of study on other sectors	CO3
	E 3	Abstract of the term paper	CO4

	Mode of Examination	Term Paper Submission.			
	Weightage Distribution	Internal Assessment		External Assessment	
		60%		40%	
Key Sources		Subjects taught in the semester			
Other References		World Bank Database on Development Indicators, Industry reports.			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	1	1				
CO2	2	3	2	1	1				
CO3	2	2	2	2	1				
CO4	3	1	1	2	1				

Course 301.1 Public Economics

School: School of Business Studies	Batch : 2018 – 2021 Current Academic Year: 2019-2020	
Course Code		
Course Title	PUBLIC ECONOMICS	
Credits	4	
Contact Hours (L-W-P)	4-0-0	
Course Objective	. The course objectives are 1. to provide an understanding of the reasons for government intervention in the economy, 2. analyzing the benefits of possible government policies, and 3. to identify the response of economic agents to the government's actions.	
Course Outcomes	On successful completion of this module students will be able to: CO1: Analyse the role of government in an economy in view of efficiency and equity. CO2: Describe the features of Public Economics such as Rent and Externality. CO3: Understand the principles of taxation policy of a government. CO4: Analyse the concept of Public Goods, Taxation to manage market failure	
Course Description	This course focuses on the role of the government in the economy The course covers tax policy and inequality, market failure, public goods and rent seeking.	
Outline syllabus		
UNIT A	Public Economics and the Public Sector	CO1, CO4
Topic 1	Introduction to Public Economics	
Topic 2	Efficiency and equity concept in public economics	
Topic 3	Public sector ,income and expenditure	
UNIT B	Rent Seeking	.CO2, CO4
Topic 1	Introduction and Definitions	
Topic 2	Social Cost of Monopoly	
Topic 3	Controlling Rent Seeking	
UNIT C	Market Failure and Departure from Efficiency I	CO2 CO4
Topic 1	Introduction to Public Goods, pure public good, impure public good, optimal provision (Chapter 8)	
Topic 2	Introduction to Club Goods (Chapter 9)	
Topic 3	Introduction to Externalities, market inefficiency,coase theorem (Chapter 10)	
UNIT D	Market Failure and Departure from Efficiency II	CO3 CO4
Topic 1	Introduction to Imperfect Competition, imperfect competition and welfare	
Topic 2	Asymmetric Information	
Topic 3	Advalorem and specific tax, tax incidence	
UNIT E	Taxation	.CO2 CO4
Topic 1	Introduction to Commodity Taxation	
Topic 2	Introduction to Income Taxation	

Topic 3	Tax evasion by firms, competitive firms, imperfect competition	
8.1	Course work: Weight	
8.11	Continuous Assessment	30%
8.12	Homework	3 assignments; 10%
8.13	Quizzes	2 quizzes: 5%
8.14	Projects	Business News: 10%
8.15	Presentations	1 Project Presentation: 5%
8.16	MTE	One, 20%
9.03	References	
9.1	Text book*	1) Public Economics: Jean Hindriks & Gareth D. 2) Public Finance in theory and practice R.Musgrave & P.MUsgrave

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	-	2	-	-	-	3	3	2	2
CO 2	3	2	-	1	1	3	3	2	2
CO 3	2	2	-	2	1	3	3	2	2
CO 4	3	2	-	2	2	3	3	2	2

Course 301.2
Introductory Macroeconomics

Course 301.3
Basic Econometrics

School: School Of Business Studies		Teaching Department: Economics & International Business	Academic Session : 2018 – 2019	For Students Batch : B.A (Hons) Applied Economics 2018-2021
1	Course number	BEC 212		
2	Course Title	Basic Econometrics		
3	Credits	4		
4	Learning Hours L-T-P	3-2-0		
5	Course Objective	The course aims: <ul style="list-style-type: none"> ● To provide an overview and understanding of the basic premises of application of probability and probability distributions ● To introduce students to hypothesis testing and its application ● To assist students to integrate the concept of point estimation ● To develop an understanding about Econometrics and use of Estimators through Econometrics. 		
6	Course Outcomes	On successful completion of this module: <p>CO1. The student will be able to define key concepts of econometrics</p> <p>CO2. The student will be able to understand the basic premise of sampling, probability and econometric analysis as properties of variables;</p> <p>CO3. The student will be able to apply both the fundamental techniques and wide array of applications involving distribution of variables;</p>		

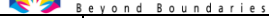
			CO4. The student will be able to analyse the assumptions that underpin the hypothesis testing in a classical model; CO5. The student will be able to evaluate and make adjustments for a number of common regression problems.			
7	Outline syllabus					
7.01	1	Unit 1	Probability & Probability distributions	L-T-P	Pedagogy	Outcome
7.02	1a	Unit 1 Topic a	Basic of permutation & combination, Set theory, probability	3-0-0	Lecture	CO1
7.03	1b	Unit 1 Topic b	Random variable, Binomial distribution, normal distribution	3-0-0	Lecture	CO2
7.04	1c	Unit 1 Topic c	Poisson distribution, Z distribution, Student t distribution	3-0-0	Lecture + Activity	CO1, CO2
7.05	2	Unit 2	Point Estimation and Method of Ordinary Least Square (Chapter 4)			
7.06	2a	Unit 2 Topic a	Correlation and Regression: Basic formulae and Calculations	3-0-0	Lecture	CO5
7.07	5b	Unit 2 Topic b	Estimating Parameters Desirable Properties for Estimator to have; Unbiasedness, Efficiency, Linearity	3-0-0	Lecture	CO5
7.08	5c	Unit 2 Topic c	The Ordinary Least Squares (OLS) Estimators; Gauss Markov Theorem and BLUE properties	2-1-0	Lecture + Classwork	CO5
7.09	3	Unit 3	Multiple Regression Model			
7.10	3a	Unit 3 Topic a	Dummy variables	3-0-0	Lecture	CO2, CO3
7.11	3b	Unit 3 Topic b	Logit and Probit models	2-1-0	Lecture	CO2, CO3
7.12	3c	Unit 3 Topic c	Linear Parameter restrictions	2-1-0	Lecture	CO2, CO3
7.13	4	Unit 4	An ordered and unordered multinomial dependent variable			
7.14	4a	Unit 4 Topic a	Representation and interpretation	3-1-0	Lecture+ workshop	CO4, CO5
7.15	4b	Unit 4 Topic b	Estimation	3-1-0	Lecture+ Workshop	CO4
7.16	4c	Unit 4 Topic c	Diagnostics, model selection and forecasting; Modeling the choice between four brands and risk	2-1-0	Lecture+ Workshop	CO4

			profile of individuals			
7.17	5	Unit 5	Non classical disturbances			
7.18	5a	Unit 5 Topic a	Multicollinearity	3-1-0	Lecture+ workshop	CO4, CO5
7.19	5b	Unit 5 Topic b	Heteroscedasticity	3-1-0	Lecture+ Workshop	CO4, CO5
7.20	5c	Unit 5 Topic c	Autocorrelation	2-1-0	Lecture+ Workshop	CO4
8.01	Course Evaluation					
8.02	Continuous Assessment(CA)					
8.03	MTE					
8.04	ETE					
9.01						
9.02	Text book*					
9.03	Other references					

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	-	2	-	-	-	3	3	2	2
CO 2	3	2	-	1	1	3	3	2	2
CO 3	2	2	-	2	1	3	3	2	2
CO 4	3	2	-	2	2	3	3	2	2
CO5	2	3	-	2	1	2	3	2	2

Course 301.4 Environmental Studies

School:		Batch : 2018-21	
Program: BA (Hons.) Applied Economics		Current Academic Year:2019-2020	
Branch:		Semester: III	
1	Course Code	BBA 054	
2	Course Title	Environmental Studies	
3	Credits	2	
4	Contact Hours (L-T-P)	2-0-0	
	Course Type	Compulsory	
5	Course Objective	1. To understand the basic concepts of environment management and the issues faced therein. 2. To provide an understanding of the natural environmental resources, hazards faced and control measures 3. To understand the social issues surrounding environment management. 4. To get an understanding of the various acts ,policies developed to protect the environment.	
6	Course Outcomes	CO1:The student will be able to have knowledge about fundamentals of environment and the ecosystem CO2: The student will be able to understand about hazards faced by environment along with the growing energy needs ,environment impact assessment green technologies and green design CO3: The student will be able to relate to the various acts for environmental protection and to green solutions CO4: The student will be able to analyse impact of climate change and pollution on environment and green solutions	
7	Course Description	This course enables students to understand their natural environment while also comprehending its conservation and management in a better manner. The course focuses on the natural environmental resources and their effective utilization.	
8	Outline syllabus		CO Mapping
	Unit 1	Fundamentals of environment	
	A	Fundamentals of Environment: Basic concepts on environment, environment management –definition ,importance , environmental degradation, Multidisciplinary nature of environment	CO1, CO2,CO3
	B	Ecosystems and ecological succession	CO1
	C	Global environmental issues: global warming and climate change, acid rains	CO2 ,CO3 ,CO4
	Unit 2	Energy resources	

					
	A	Renewable & Non Renewable Resources of energy and Deforestation			CO1 ,CO2,CO4
	B	Water Resources: use and overutilization of surface and ground water, floods & droughts			CO1, CO2 ,CO3
	C	Energy Resources – growing energy needs, energy resources and global development			CO2 ,CO3
	Unit 3	Biodiversity and pollution			
	A	Biodiversity & its conservation			CO2 ,CO3
	B	Environmental Pollution			CO1 , CO4
	C	Control measures for air, water and soil pollution; nuclear hazards			CO3
	Unit 4	Environment protection			
	A	Social Issues in Environment: Environment Protection Act, Ozone layer depletion and nuclear accidents , approaches with regard to environment protection			CO2 ,CO4
	B	Human Population – human health, human rights and environment			CO3
	C	Wildlife protection act, issues in enforcement of environmental legislations and public awareness			CO4
	Unit 5	Green Solutions			
	A	Environmental Impact Assessment			CO1 ,CO2 ,CO3
	B	Environmental Standards, Green Technologies and green solutions			CO2 CO3 ,CO4
	C	Green architecture and green design			CO2,CO3
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	Principles of Environmental Studies: Monoharachary C 2006			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO 1	-	-	1	1	1	-	-	-	-	-
CO 2	-	-	2	2	2	-	-	-	-	-
CO 3	-	-	2	2	2	-	-	-	-	-
CO 4	-	-	2	2	1	-	-	-	-	-

Course 301.6 Marketing Management

School: School of Business Studies		Batch: 2017-20	
Program: BA (Eco)		Current Academic Year: 2018-19	
Branch:		Semester: III	
1	Course Code	BEC 202	
2	Course Title	Marketing Management	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Status	Compulsory	
5	Course Description	This course enables students to understand the basics of marketing management where they will also learn the various applications of economics concepts in marketing.	
6	Course Objectives	1. To impart to the students an in-depth understanding of the building blocks of marketing 2. To make the students develop a marketing mindset for effective business decision-making 3. To help the students understand the challenges of modern-day marketing	
7	Course Outcomes	CO1: The students will be able to define and identify marketing concepts and the key elements of a customer driven marketing strategy. CO2: The students will be able to explain marketing characteristics, while evaluating their impact on planning, strategies and marketing practices. CO3: The students will be able to illustrate and interpret the knowledge base of various underlying concepts that drive marketing strategies. CO4: The students will be able to evaluate and estimate futuristic trends in marketing environment. CO5: The students will be able to classify and illustrate different channels of marketing.	
8	Outline syllabus		CO Mapping
	Unit A		
	A 1	<u>Introduction to Marketing management</u>	
	A 2	Core concepts of marketing, marketing environment, customer satisfaction, customer value, concept of value chain	CO1
	A 3	Customer vs. consumer, factors affecting consumer behavior, consumer decision process, AIDA model, Dissonance theory	CO1
	Unit B	Sales vs. marketing	CO1
	B 1	<u>Managing Product and pricing decision</u>	
	B 2	Product classification, product mix, product life cycle, new product development, brand	CO2
	B 3	Pricing Decisions Factors affecting price, pricing methods	CO2
	Unit C	adapting the price, initiating and responding to price changes	CO2
	C 1	<u>STP</u>	

	C 2	Market segmentation	CO3	
	C 3	positioning,	CO3	
	Unit D	conceptual understanding of marketing mix	CO3	
	D 1	Sales Forecasting		
	D 2	Sales vs. marketing, types of sales,	CO4; CO1	
	D 3	Forecasting methods	CO4; CO3	
	Unit E	trends analysis	CO4; CO3	
	E 1	Channel of distribution and promotion mix		
	E 2	Understanding channels and its various levels,	CO5	
	E 3	selection and management of channels of distribution	CO5	
	Mode of examination	Theory		
	Weightage Distribution	CA	MTE	ETE
		30%	20%	50%
	Text book/s	<ul style="list-style-type: none"> ‘Marketing Management – A South Asian Perspective’ by Philip Kotler, Kevin Lane Keller, Abraham Koshy and Mithileshwar Jha (Pearson) 		
	Other References	<ul style="list-style-type: none"> ‘Marketing Management – Global Perspective, Indian Context’ by V. S. Ramaswamy and S. Namakumari (Om Books) ‘Marketing Management’ by Rajan Saxena (McGraw-Hill) 		

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	1	1	1	2	2	2
CO2	1	2	1	2	1	1	2	2	2
CO3	1	2	1	2	1	1	1	2	1
CO4	1	2	1	2	1	1	1	2	1
CO5	1	1	1	2	1	1	1	2	1

Course 301.7
Field Work Paper

Course 401.1
Money and Financial Markets

School: School Of Business Studies		Teaching Department: Economics & International Business	Academic Session : 2017 – 2018	For Students Batch : B.A (Hons) Applied Economics (2016-2019) IV Semester
1	Course number	BEC 204		
2	Course Title	Money and Financial Markets (MFM)		
3	Credits	4		
4	Learning Hours L-T-P	3-2-0		
5	Course Objective	The course aims: <ul style="list-style-type: none"> • To provide an overview and understanding of the basic premises of Money and Financial System and its instruments in an economy. • To introduce students to theoretical understanding and practical application of advancement in financial system. • To assist students to integrate the concept of Money and role of Financial Institution in the economic activities of an economy. • To develop an understanding about regulatory changes and strategy for combating current and future financial and economic challenge. 		
6	Course Outcomes	On successful completion of this module students will be able to: <ol style="list-style-type: none"> 1. Explain the role of money in an economy and rationale behind various kinds of measures of Supply of Money 2 Assess the contribution of Central Bank in monetary management of economy and direction of monetary policy in an economy 3. be able to demonstrate the fundamental understanding of capital market/ Stock market, trading of securities, exchanges and about the IPO process. 4. be able to recognise and make adjustments for financial system on the basis of financial regulation and identify the roles of various regulatory authorities. 		

Beyond Boundaries

7	Outline syllabus			L-T-P	Pedagogy	Page No	
7.01	1	Unit 1	MONEY: Concept, Functions, Measurement, Theories of Money Supply Determination				Outcome : Students will be able to
7.02	1a	Unit 1 Topic a	Introduction & Concept of Money. Functions of Money, and Measurement of Money Supply	3-0-0	Lecture	1 - 5	Describe the ascent of money, and its inevitability, also explain the scope and quantity of broad, narrow and high power money.
7.03	1b	Unit 1 Topic b	Cambridge Quantity Theory of Money. Keynesian Concept of Demand for Money, Liquidity Preference Theory	2-1-0	Lecture + Workshop	5-14	
7.04	1c	Unit 1 Topic c	Milton Friedman's Theory of Money Demand, Supply Determination	2-1-0	Lecture + Activity	15-18	
7.05	2	Unit 2	Interest Rates, Central Banking and Monetary Policy				
7.06	2a	Unit 2 Topic a	Interest Rate Determination, Sources of Interest Rates Differentials, Theories of Term-Structure of Interest Rates in India	3-0-0	Lecture	19 – 22	Analyse role of central bank in monetary management and direction of current monetary policy of the country.
7.07	2b	Unit 2 Topic b	Functions of Central and Commercial Banks. Balance Sheet Goals and Targets	2-1-0	Lecture + Exercise	23-28	
7.08	2c	Unit 2 Topic c	Indicators and instruments of monetary control, monetary management in an open economy, current monetary policy of India	2-1-0	Lecture + Exercise	28-47	
7.09	3	Unit 3	Introduction to Financial System				
7.10	3a	Unit 3 Topic a	Introduction to Financial System: Meaning, Structure, Role & Importance	2-0-0	Lecture, Discussion	3-30 and notes	Be able to comprehend the financial system and its various components along with its importance.

Beyond Boundaries

7.11	3b	Unit 3 Topic b	Components of Financial System: Introduction to Financial Markets and Financial Institutions	2-0-2	Lecture ,Discussion and Presentation	3-30 and 376-399	
7.12	3c	Unit 3 Topic c	Components of Financial System: Financial Services and Financial Instruments	1-0-3	Lecture and Presentation	3-30 and 101-124 and notes	
7.13	4	Unit 4	Financial Markets: Capital market				
7.14	4a	Unit 4 Topic a	Capital Market : Introduction, Role, Importance and Composition of Capital Market: Primary market and Secondary market	2-0-1	Lecture and Discussion	85-129	Get an insight about the capital market/ Stock market, trading of securities, exchanges and about the IPO process.
7.15	4b	Unit 4 Topic b	Primary market: Meaning, objectives, functions, Instruments IPO: Intermediaries to an issue and their roles, Book building process	2-0-1	Lecture, Discussion and Presentation	135-172	
7.16	4c	Unit 4 Topic c	Secondary market: Meaning, functions of secondary market, Major stock exchanges in India: BSE, NSE and the benefits of listing on stock exchange. Indices: Meaning, importance and introduction to Sensex, Nifty.	2-0-0	Lecture and discussion	469-474	
7.17	5	Unit 5	Financial Markets: Money/Debt market				
7.18	5a	Unit 5 Topic a	Money market: Introduction, functions and importance. Types: Call / Notice Money, Treasury bills, Commercial bills, Commercial paper, Certificate of deposits, Money market mutual funds, Repo/Reverse Repo market.	1-0-0	Lecture	16-60	Get an insight about the Debt market/ Money market and the role of regulatory bodies (SEBI and RBI) in the financial system.

7.19	5b	Unit 5 Topic b	Debt market: Introduction, Functions and structure and risks involved. Introduction to Government securities market and Corporate debt market	2-0-1	Lecture and presentation	61-79, 181-183	
7.20	5c	Unit 5 Topic 3	Regulatory framework SEBI: Organization, objective, role and functions RBI: Organization, objective, role and functions	1-0-1	Lecture and presentation	451-462, 608-612	
8.01	Course Evaluation		Continuous Assessment (CA) – 30 % Mid Term Examination (MTE)– 20 % End Term Examination (ETE)– 50%				
8.02	Continuous Assessment (CA)		▶[Total No. = 5] – Assignments/Class Activity (Average of Best 3) – {10 marks} ▶[Total No. = 1]- Project – {10 marks} ▶[Total No. = 4] – Quiz (Average of Best 2) – {5 marks} ▶Group/Individual Presentations – {5 marks}				
8.03	MTE		20 marks (20%)				
8.04	ETE		100 marks (50 %)				
9.01	References						
9.02	Text book*		S B Gupta, Monetary Economics, S Chand Publication Dr. S Gurusamy, Financial Markets and Institutions, McGraw Hill Publication M.R.Baye and D.W.Jansen Money, Banking and Financial Markets AITBS,1996 Rakesh Mohan Growth with Financial Stability-Central Banking in an Emerging Market,Oxford University Press ,2011 N. Jadhav Monetary Policy,Financial Stability and Central Banking in India Macmillan, 2006 .M.Y.Khan Indian Financial System Tata McGraw Hill,7th Edition 2011				
9.03	Other references		RBI Report of the Working Group: Money Supply Analytics and Methodology of Compilation, 1998 Annual Report, RBI Bulletin, Report of Currency and Finance (latest) F.S.Mishkin and S.G. Eakins Financial Markets and Institutions, Pearson Education, 6 th Edition ,2009				

	Outcome no. → Syllabus topic↓	1	2	3	4
7.01	Unit 1	X			
7.02	1a	X			
7.03	1b	X			
7.04	1c	X			
7.05	Unit 2		X		
7.06	1a		X		
7.07	1b		X		
7.08	1c		X		
7.09	Unit 3			X	
7.10	3a			X	
7.11	3b			X	
7.12	3c			X	
7.13	Unit 4				X
7.14	4a				X
7.15	4b				X
7.16	4c				X
7.17	Unit 5				X
7.18	5a				X
7.19	5b				X
7.20	5c				X

Course 401.2 Development Economics

School: School of Business Studies		Batch: 2017-20
Program: BA (Eco)		Current Academic Year: 2018-19
Branch:		Semester: III
1	Course Code	BEC 205
2	Course Title	Development Economics
3	Credits	4
4	Contact Hours (L-T-P)	4-0-0
	Course Status	Compulsory
5	Course Description	This course enables students to understand the basics of development economics where they will also learn the applications of development economics in the decision making process.
6	Course Objectives	<p>The objectives of this course are as follows:</p> <ul style="list-style-type: none"> • To make students understand the issues relating to economic transformation of Indian Economy. • To enhance students understanding of both economic and non – economic perspectives and dimensions. • To facilitate students in mastering the basic requirements and capabilities in Growth and Development. • To make students aware about the recent changes in the development of economics in the contemporary Indian context.
7	Course Outcomes	<p>CO1 The student will be able to describe the inherent substantive issues relating to economic transformation in the context of history of Indian Economy;</p> <p>CO2 The student will be able to analyze the basic requirements and capabilities in Growth and Development.</p> <p>CO3 The student will be able to assess the recent changes in the development of economic and non- economic aspects in the contemporary Indian context.</p> <p>CO4 The student will be able to develop necessary modification in the existing models of economic growth based on recent trends in the economy.</p> <p>CO5 The student will be able to Evaluate the efficacy of models in the given set of conditions and describe economic phenomenon in the pretext of the growth theories</p>
8	Outline syllabus	CO Mapping
	Unit A	Introducing Development: A Global Perspective
	A 1	<p>How the Other Half Live</p> <p>Economics and Development Studies</p> <p>The Nature of Development Economics</p>
		CO1

		Why Study Development Economics? The Important Role of Values in Development Economics Economies as Social Systems: The Need to Go Beyond Simple Economics	
	A 2	What Do We Mean by Development? Traditional Economic Measures The New Economic View of Development Amartya Sen's "Capability" Approach Development and Happiness	CO1
	A 3	Three Core Values of Development The Central Role of Women The Three Objectives of Development Case Study: Progress in the Struggle for more Meaningful Development: Brazil	CO1
	Unit B	Comparative Economic Development	
	B 1	Defining the Developing World Basic Indicators of Development: Real Income, Health, and Education ; Purchasing Power Parity; Indicators of Health and Education Holistic Measures of Living Levels and Capabilities; The Traditional Human Development Index	CO2
	B 2	The New Human Development Index Characteristics of the Developing World: Diversity within Commonality Lower Levels of Living and Productivity Lower Levels of Human Capital Higher Levels of Inequality and Absolute Poverty	CO2
	B 3	Higher Population Growth Rates Greater Social Fractionalization Larger Rural Populations but Rapid Rural-to-Urban Migration Lower Levels of Industrialization and Manufactured Exports Case Study 2: Comparative Economic Development of Pakistan and Bangladesh	CO2
	Unit C	Classical Theories of Economic Development	
	C 1	Classical Theories of Economic Development; Rostow's Stages of Growth, Harrod-Domar Growth Model, The Lewis Theory of Development	CO3
	C 2	The Neo-Classical Counter Revolution, The Solow Neo Classical Growth Model	CO3
	C 3	The Endogenous Growth Theory Schools of Thought in Context: South Korea and Argentina	CO3
	Unit D	The New Growth Theories	
	D 1	Introduction	CO4

		Human Capital & Growth Another look at conditional convergence			
	D 2	Technical Progress Again, A model of deliberate technical progress, Externalities, technical progress and growth			CO4
	D 3	Total Factor Productivity Total Factor Productivity and The East Asian Miracle, Exercises on New Growth Theory			CO4
	Unit E	History, Expectations and Development			
	E 1	Introduction Complementariness, coordination failure, linkages and policy, history vs. expectations			CO5
	E 2	Increasing returns, Increasing returns and entry into market, Increasing returns and market size: Interaction			CO5
	E 3	Competition, multiplicity, and international trade, Other roles of history -Social Norms and Status Quo Exercises on Chapter			CO5
	Mode of examination				
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s	<ul style="list-style-type: none"> Economic Development: Michael P. Todaro & Stephen C. Smith, Latest Edition, Pearson Education Development Economics Text and Cases: Ray Debraj – (Oxford university Press) New Delhi 			
	Other References	<ul style="list-style-type: none"> Kindleberger, C. P. Economic Development, 3rd edition, McGraw Hill, New York. Aghion, P. and Peter Howit, Economics of Growth, PHI Learning, New Delhi Sen, A. K. Growth Economics, Penguin Publication. Chakarvarti, S, Alternative Approaches to a Theory of Economic Growth, Oxford University Press, New Delhi 			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	2	2	1	1	3	3	2	2
CO 2	3	2	2	1	1	3	3	2	2
CO 3	2	2	3	2	1	3	3	2	2
CO 4	3	2	2	2	2	3	3	2	2
CO5	2	3	2	2	1	2	3	2	2

Course 401.3
Intermediate Econometrics

Course 401.4 IT Skills and data analysis

School: SBS		Batch : 2018-2021	
Program: BA (Hons.) Applied Economics		Current Academic Year: 2020-2021	
Branch:		Semester: V	
1	Course Code		
2	Course Title	IT Skills and Data Analysis	
3	Credits	2	
4	Contact Hours (L-T-P)	1-0-1	
	Course Type	Ability Enhancement Course	
5	Course Objective	The objectives of this course are a) to identify the use of Information Technology tools in Data Analysis. b) to introduce basics of data characteristics. c) to visualize data and its interpretation.	
6	Course Outcomes	On successful completion of this module learners will be able to: a) to know data characteristics and ways to obtain data. b) to understand the role of excel in data representation and analysis c) to provide the meaningful results from the data. d) to analyse the result and compare two results related to economic activity.	
7	Course Description	This course is designed to for economics students to deal with fundamental problems of data identification from database, its classification, representation and analysis. It also helps in understanding several popular databases.	
8	Outline syllabus		CO Mapping
	Unit 1	Data: Types, Representation, Transformation in Excel/ VBA	CO1, CO2, CO3.
	A	Types; Population/Sample, Primary/Secondary, Qualitative/Quantitative, Nominal/Ordinal, Scale, Index, String, text and image.	CO1, CO2
	B	Representation: Tables, Pivots, Charts- Line/Bar/Pie/Histogram/ Area/ box and whiskers plot, single series graph, multiple series graph.	CO1, CO2
	C	Transformations; rounding; grouping; dividing or multiplying by a constant; differencing; taking logarithms; taking the reciprocal deflating	CO2
	Unit 2	Introduction to popular databases and obtaining, saving raw data, transformation of saved data into different file formats	CO1, CO2, CO

Beyond Boundaries

				3
A	Secondary Data Sources: World Bank Databank – World Development Indicators, Reserve Bank of India- Money Supply, State Gross Domestic Product, Inflation, Exchange Rate, Interest Rate, Balance of Payment, Export and Import., IMF, ILO, UNCTAD, Trade Map etc.			CO2
B	Primary Data Sources:- World Bank_Access to Raw Data, NSSO, CSO, NFHS, All India Higher Education Survey			CO1, CO3
C	Data in xls, csv, txt, dat, sav and other formats. Process of saving data and converting it from one format to another format.			CO3
Unit 3	Basic Data Analysis Techniques			CO3, CO4
A	Population, Sampling, Sampling frame, Sample size using excel			CO3
B	Simple, Multiple Regression in excel and interpretation of R-square, intercepts, p-value, confidence interval			CO3
C	t-distribution, chi-square distribution in excel and their interpretation			CO4
Mode of examination	Practical			
Weightage Distribution	Continuous Assessment	Mid Term Examination	End Term Examination	
	30%	20%	50%	
Text book/s*	https://thenigerianprofessionalaccountant.files.wordpress.com/2013/04/statistics-for-economics-accounting-and-business-studies-4th-ed.pdf Michael Barrow- Statistics for Economics, Accounting and Business Studies, Fourth Edition, Prentice Hall, Pearson Education. (2013). Economic and Business Analysis: Quantitative Methods Using Spreadsheets, By Frank S. T. Hsia, 2011, World Scientific Publishing (2011)			
Other References	Managerial Economics Using Excel By David Whigham, Thomson Learning, 2001.			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	3	1	1	1	1	1
CO2	2	3	1	1	1	1	2	2	1
CO3	3	3	1	3	1	3	2	3	1
CO4	2	3	2	3	1	3	2	2	1

Course 401.6 Accounting for Business Decisions

School: School of Business Studies		Batch : BA- Economics
Program: B.A. (H) App. Eco.		Current Academic Year: 2019-2020
Branch:		Semester: IV
1	Course Code	BEC 209
2	Course Title	Accounting for Business Decisions
3	Credits	4
4	Contact Hours (L-T-P)	4-0-0
	Course Type	Compulsory
5	Course Objective	<p>This subject aims to-</p> <ol style="list-style-type: none"> 1. Provide the students of Economics with interdisciplinary knowledge of Financial Accounting & its related skill sets to understand the business dynamics and analyse the environmental variables. 2. Enable the students to prepare and understand the financial statements and its overall process of preparing and reporting them to its stakeholders. 3. Equip students to contribute to the evaluation of performance of an organisation and business of the clients in relation to its financial performance and position.
6	Course Outcomes	<p>CO1: Define and describe the accounting principles, standards and basic terms of Accounting for the purpose of effective understanding of the financial/Accounting preparation /analysis / reporting framework adopted by a business & utilizing the accounting information system for taking effective economic decisions.</p> <p>CO2: Identify the overall process of generating accounting information from different organizational functioning domains enabling to infuse proactive learning and analytical acumen to confront modern day business situations.</p> <p>CO3: Apply the basic necessary skills sets of recognizing the important financial information from the financial statements generated during the accounting process and its effective utilization in analyzing the operational performance.</p>

		CO4: Explain & present to the stakeholders/end-users about the financial information for effective decision making & sole criterion relating to the clients examination of overall financial position and performance.
7	Course Description	. The objective of this course is to introduce and acquaint the students with the basic terms, significance, principles, rules/methods of accounting and accounting process.
8	Outline syllabus	
	Unit 1	An Overview of Basics of Accounting
	A	Introduction to Accounting –Meaning, Need, Uses, Limitations, Users of Financial Accounting Information
	B	Accounting Concepts and Principles –GAAP and Accounting Standard, An Introduction of IFRS
	C	Accounting Cycle – Accounting Process, Basic Accounting terms e.g. Capital, Liabilities, Assets, Drawing, Cost, Purchase, Sales, Debtors, Creditors, Goodwill, etc.
	Unit 2	Understanding Financial Statements
	A	Basics of Financial Statements -Meaning, Nature and Objectives, Use, Significance and Limitations of Financial Statement, Users of Financial Statements
	B	Structure of Financial Statements –An understanding of Statement of Earnings (Income Statement), Format of Statement of Earnings, Various Measure of Profit, Appropriation of Profit, Abnormal Items,
	C	Structure of Financial Statements –An understanding of Statement of Earnings (Income Statement), Format of Statement of Earnings, Various Measure of Profit, Appropriation of Profit, Abnormal Items,
	Unit 3	Analysis & Interpretation of Financial Statements for Economic Decisions -I
	A	Ratio Analysis – Profitability ratios and ratios relating to Shareholders
	B	Ratio Analysis – Activity Ratios
	C	Ratio Analysis – Financial Ratios : Liquidity & Solvency ratios
	Unit 4	Analysis & Interpretation of Financial Statements for Economic Decisions -II
	A	Comparative Financial Statements and Interpretation of Financial Statements
	B	Common Size Statement analysis –Introduction, Analysis and Interpretation
	C	Trend Analysis - Introduction, Analysis and Interpretation
	Unit 5	Expanded Analysis of Financial Statements
	A	Cash Flow Statement –Various Cash & Non-Cash Transactions, Flow of Cash, Analysis & Interpretation of Cash

		Flow Statements.	
B		Financial Ratios used in Annual Reports, Management's use of financial analysis	CO3,CO4
C		Additional Disclosure Statements – Auditor's Report, Director's Report, Report on Corporate Governance & Corporate Social Responsibility etc.	CO3,CO4
Mode of examination		Theory	
Weightage Distribution	CA	MTE	ETE
	30%	20%	50%
Text book/s*	A textbook of Financial Accounting – Dr. A.K.Singhal, Dr. H.J. Ghosh Roy, VAYU Education of India 6.2 Other References [1] Basic Accounting- Rajni Sofat & Preeti Hiro, Eastern Economy Edition [2] A textbook of Accounting for Management - S.N. Maheshwari and S.K. Maheshwari, Vikas Publishing House Pvt. Limited		
Other References	Accounting and Financial Analysis & Management – Agarwal & Agarwal, Pragati Prakashan, Meerut		

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	-	2	2	2	-	-
CO2	1	2	2	-	-	-	1	2	-	-
CO3	-	-	2	2	2	2	2	2	2	-
CO4	-	-	2	2	2	2	2	2	2	-

Course 401.7

Field Work Paper

Course 501.1 Economics of Organization

School: SBS		Batch : 2018-2021	
Program: BA (Hons.) Applied Economics		Current Academic Year: 2020-2021	
Branch:		Semester: V	
1	Course Code		
2	Course Title	Economics of Organization	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Type	Compulsory	
5	Course Objective	The objectives of this course are a) to identify the fundamental problems of economic organizations, namely those of coordinating and motivating the members b) to introduce analytical tools of economics that help locate problems of organization and measures to improve its efficiency c) to visualize human resource management issues from the organizational efficiency perspective with the help of economic tools and techniques	
6	Course Outcomes	On successful completion of this module learners will be able to: a) to know the importance of organizations in economic analysis b) to understand the role of coordination in driving an organization; c) to provide the motivation and incentives to members of an organization for ensuring its smooth functioning, with special reference to problems in human resource management. d) to analyse the advancement in theories of employment and their application e) to assess the role of economics in organizational efficiency.	
7	Course Description	This course is designed to for economics students to deal with fundamental problems of economic organization coordinating and motivating. It also helps in understanding efficiency of an organization from the perspective	
8	Outline syllabus		CO Mapping
	Unit 1	Does Organization Matter? (Chapter 1)	CO1, CO2, CO3.
	A	1.1 Buseness Organization	CO1, CO2

	B	1.2 Organizational Strategies Of Modern Firms			CO1, CO2
	C	1.3 The Changing Economies of Eastern Europe?			CO2
	Unit 2	Economic Organization And Efficiency (Chapter 2)			CO1, CO2, CO3
	A	2.1 Economic Organizations: A Perspective, 2.2 Efficiency, 2.3 The Tasks of Coordination and Motivation			CO2
	B	2.4 Transaction Cost Analysis, 2.5 Wealth Effects, Value Maximization and Coase Theorem, 2.6 Organizational Objectives			CO1, CO3
	C	2.7 Modelling Human Motivation and Behaviour, 2.8 Case Study: Coordination, Motivation and Efficiency In The Market For Medical interns			CO3
	Unit 3	Coordinating Plans And Actions (Chapter 4 of Text Book)			CO3, CO4
	A	3.1 The Variety Of Coordination Problems And Solutions			CO3
	B	3.2 Economizing On Information And Communication			CO3
	C	3.3 Coordination And Business Strategy			CO4
	Unit 4	Employment Policy And Human Resource Management (Chapter 10)			CO2, CO3
	A	4.1 The Classical Theory Of Wages, Employment And Human Capital			CO2
	B	4.2 Labour Contracts			CO3
	C	4.3 Recruitment, Retention And Separation (Case Study - Human Resource Policy in Japan)			
	Unit 5	Internal Labour Markets, Job Assignments And Promotions (Chapter 11) Compensation And Motivation (Chapter 12)			CO2, CO4
	A	5.1 Internal Labour Markets, 5.2 Rationale For Internal Labour Markets			CO2
	B	5.3 Influence Costs, Incentives and Job Assignment, 6.1 Forms and Functions of Compensation			CO2
	C	6.2 Incentives For Individual Performance, 6.3 Performance Evaluation, 6.4 Job Design, 6.5 Incentive Payment For Group Of Employees			CO4
	Mode of examination	Theory			
	Weightage Distribution	Continuous Assessment	Mid Term Examination	End Term Examination	
		30%	20%	50%	
	Text book/s*	Paul Milgrom and John Roberts : Economics, Organization And Management, Prentice Hall, New Jersey (1992)			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	3	1	1	1	1	1
CO2	2	3	1	1	1	1	2	2	1
CO3	3	3	1	3	1	3	2	3	1
CO4	2	3	2	3	1	3	2	2	1

Course 501.2 International Economics I

School: School of Business Studies		Batch: 2018-21	
Program: BA (Eco)		Current Academic Year: 2018-19	
Branch:		Semester: III	
1	Course Code	BEC	
2	Course Title	International Economics	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Status	Compulsory	
5	Course Description	International Economics provides an analysis of the economic relationship between countries covering both trade and monetary issues. The course is to introduce students to both classical and modern theories of international trade in goods and services, as well as empirical research on trade. The course also concerns with an overview of the balance of payment accounts and open economy income identities.	
6	Course Objectives	Upon completion of this course students will be able to: <ul style="list-style-type: none"> • Compare alternative theories of international trade • Evaluate the impact of tariffs and non-tariff barriers • Identify the validity and efficiency of protectionist policies • Estimate the impact of preferential trade arrangements • Read and analyse the nation's balance of payment • Understand how a foreign exchange market operates 	
7	Course Outcomes	CO1: The students will be able to understand a working knowledge of theories explaining trade. CO2: The students will be able to recognize the cause of trade, sources of gains from trade and domestic and international distribution of those gains. CO3: The students will be able to examine instruments and consequences of trade policy measures—including tariffs and quantitative restrictions. CO4: The students will be able to compare the elements of balance of payment and exchange rate regimes. CO5: The students will be able to differentiate international economic policies	
8	Outline syllabus		CO Mapping
	Unit A	International Trade Theory	
	A 1	Mercantilism, Absolute advantage, Comparative Advantage	CO1
	A 2	Factor endowment, International Product life cycle	CO1
	A 3	Implications of trade theories	CO1
	Unit B	International Trade Policy	
	B 1	Concept of trade barriers, Tariff and partial equilibrium analysis of tariff	CO2

	B 2	Non trade barriers, Effect of non trade barriers, The political economy of protectionism			CO2
	B 3	Theory of custom union			CO2
	Unit C	International Trade Patterns and Balance Of Payments			
	C 1	World trade and Overview			CO3
	C 2	Introduction to balance of payment			CO3
	C 3	India's BOP and Trade			CO3
	Unit D	Foreign Direct Investment			
	D 1	Meaning and types of FDI			CO4
	D 2	Patterns of FDI			CO4
	D 3	Trends in FDI			CO4
	Unit E	International Finance and Institutions			
	E 1	International monetary system			CO5
	E 2	Determination of Exchange rate			CO5
	E 3	Role of International organizations like WTO, IMF and UNCTAD			CO5
	Mode of examination	Theory / Practical / Project Assignment / Quiz			
	Weightage Distribution	CA 30%	MTE 20%	ETE 50%	
	Text book/s	Salvatore, D. (2016). International economics. – 12th ed. Wiley. ISBN: 978-1-118-95576-5			
	Other References	<ul style="list-style-type: none">• Krugman, P. R. (2018). International economics: Theory and policy, 10/E. Pearson India.• Jhingan, M.L. (2016) International Economics: Vrinda Publications Pvt. Ltd. Delhi.• Internet Sources			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	1	2	1	2	2	2
CO2	2	2	1	2	2	1	2	2	2
CO3	1	2	2	2	2	1	1	2	1
CO4	2	2	1	2	3	1	1	2	1
CO5	1	1	2	3	2	1	1	2	1

Course 501.3

Economic Research Methods with R

Course 501.4

Total Personality Development

Introduction to Energy Economics

School: SBS		Batch : 2018-2021	
Program: BA (Hons.) Applied Economics		Current Academic Year:	
Branch:		Semester: V	
1	Course Code		
2	Course Title	Introduction to Energy Economics	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Type	Elective	
5	Course Objective	The objective of the course is to 1. Students should be able to use concepts of economics in area of energy production, distribution and planning. 2. Students should understand the demand, forecasting and pricing of Energy. 3. Students should be able to differentiate energy sources and supply based on economic characteristics. 4. Students should be able to comprehend the dynamics of price and market in the area of Energy	
6	Course Outcomes	CO1: The student will be able to know about source of energy and their economic interpretation. CO2: The student will be able to understand demand and supply mechanism of energy market. CO3: The student will be able to Apply the knowledge of economics in planning and predicting future demand for energy. CO4: The student will be able to analyse the scenarios for existing and probable demand and supply of energy and its pricing in different market conditions.	
7	Course Description	Energy Economics is an essential part of applied economics where economic principles are being used in management of energy resources across the globe. Analysing energy issue is of interdisciplinary nature it enables students to apply economic principles in relation with science, environment, industrial requirements and government policy. This course is designed to provide basic understanding of energy economics and its application in energy management.	
8	Outline syllabus		CO Mapping
	Unit 1	Introduction to Energy Economics, Energy Data and Energy Balance	CO1, CO2, CO3.
	A	Introduction to Energy Economics, Multidimensional Interactions	CO1, CO2

	B	Energy, Accounting of Energy	CO1, CO2
	C	Energy Balance; Analysis of Energy Balance Information	CO2
	Unit 2	Energy Demand and Energy Demand Forecasting	CO1, CO2, CO3
	A	Economic Foundation of Energy Demand and Supply	CO2
	B	Utility Maximization and Cost Minimization	CO1, CO3
	C	Approaches of Economic Forecasting of Energy	CO3
	Unit 3	Economics of Fossil Fuel Supply	CO3, CO4
	A	Exploration and Economics of Exploration Activities	CO3
	B	Field Development, Investment Decision in Energy	CO3
	C	Resource Rent and Supply Forecasting	CO4
	Unit 4	Economics of Non-Renewable Supply of Energy and Electricity	CO2, CO3
	A	Energy Depletion, Monopoly and Discount Rate of Depletion.	CO2
	B	Basic Concept of Electricity Generation, Economic Dispatch of Electricity, Incremental Cost Method.	CO3
	C	Investment Decisions in Power Sector.	
	Unit 5	The Economics of Renewable Energy Supply	CO2, CO4
	A	Drivers of Renewable Energy Supply	CO2
	B	Cost of Bio Fuels and other renewable energy sources	CO2
	C	Government Policies on Energy Management	CO4
	Mode of examination	Theory/Jury/Practical/Viva	
	Weightage Distribution	CA 30%	MTE 20%
			ETE 50%
	Text book/s*		
	Other References		

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	2	1	3	1	1	1
CO2	2	1	1	1	1	1	1	2	-
CO3	3	1	1	3	1	3	1	3	-
CO4	2	1	3	3	1	3	2	2	1

Applied Econometrics

School: School Of Business Studies		Teaching Department: Economics & International Business	Academic Session : 2018 – 2019	For Students Batch : B.A (Hons) Applied Economics 2018-2021																
1	Course number	BEC																		
2	Course Title	Applied Econometrics																		
3	Credits	4																		
4	Learning Hours L-T-P	<table><tr><td colspan="2">3-2-0</td></tr><tr><td>Learning</td><td>Hours</td></tr><tr><td>Lecture Hours</td><td>39</td></tr><tr><td>Workshop</td><td>13</td></tr><tr><td>Project Field Work</td><td>13</td></tr><tr><td>Assessment</td><td>15</td></tr><tr><td>Guided study</td><td>20</td></tr><tr><td>Total</td><td>100</td></tr></table>			3-2-0		Learning	Hours	Lecture Hours	39	Workshop	13	Project Field Work	13	Assessment	15	Guided study	20	Total	100
3-2-0																				
Learning	Hours																			
Lecture Hours	39																			
Workshop	13																			
Project Field Work	13																			
Assessment	15																			
Guided study	20																			
Total	100																			
5	Course Objective	<p>The course aims:</p> <ul style="list-style-type: none">● To provide an overview and understanding of the basic premises of application of time series● To introduce students to hypothesis testing and its application in time series● To assist students to integrate the concept of cointegration● To develop an understanding about Econometrics and use of Estimators through Econometrics using ARMA, ARIMA.																		
6	Course Outcomes	<p>On successful completion of this module:</p> <p>CO1. The student will be able to understand key concepts of econometrics, time series</p> <p>CO2. The student will be able to apply the basic premise of time series to economic problems</p> <p>CO3. The student will be able to analyse both the fundamental techniques and wide array of applications involving time series data;</p> <p>CO4. The student will be able to analyse the assumptions that underpin the hypothesis testing in ARMA and ARIMA models;</p> <p>CO5. The student will be able to evaluate and make adjustments for a number of problems in time series data.</p>																		

7	Outline syllabus			L-T-P	Pedagogy	Outcome
7.01	1	Unit 1	Time Series Analysis: Some basic concepts			
7.02	1a	Unit 1 Topic a	Introduction to time series, stationarity, stochastic processes	3-0-0	Lecture	CO1
7.03	1b	Unit 1 Topic b	Unit root stochastic process	3-0-0	Lecture	CO2
7.04	1c	Unit 1 Topic c	Trend stationary and difference stationary	3-0-0	Lecture + Activity	CO1, CO2
7.05	2	Unit 2	Stochastic processes and some tests			
7.06	2a	Unit 2 Topic a	Tests of stationarity	3-0-0	Lecture	CO1
7.07	2b	Unit 2 Topic b	Unit root test, ADF test, F test	3-0-0	Lecture	CO2
7.08	2c	Unit 2 Topic c	Cointegration: an introduction	3-0-0	Lecture + Activity	CO1, CO2
7.09	3	Unit 3	Cointegration models			
7.10	3a	Unit 3 Topic a	Linear combination of integrated variables	3-0-0	Lecture	CO5
7.11	3b	Unit 3 Topic b	Cointegration and common trends	3-0-0	Lecture	CO5
7.12	3c	Unit 3 Topic c	Cointegration and error correction	2-1-0	Lecture + Classwork	CO5
7.13	4	Unit 4	Modelling volatility			
7.14	4a	Unit 4 Topic a	ARCH and GARCH process	3-0-0	Lecture	CO2, CO3
7.15	4b	Unit 4 Topic b	Estimates of inflation	2-1-0	Lecture	CO2, CO3
7.16	4c	Unit 4 Topic c	GARCH model of risk	2-1-0	Lecture	CO2, CO3
7.17	5	Unit 4	Forecasting			
7.18	5a	Unit 4 Topic a	ARMA, ARIMA processes	3-1-0	Lecture+workshop	CO4
7.19	5b	Unit 4 Topic b	Box Jenkins methodology	3-1-0	Lecture+Workshop	CO4
7.20	5c	Unit 4 Topic c	Vector Autoregression	2-1-0	Lecture+Workshop	CO4

8.01	Course Evaluation	Continuous Assessment (CA) – 30 % Mid Term Examination (MTE)– 20 % End Term Examination (ETE)– 50%
8.02	Continuous Assessment(CA)	► [Total No. = 5] – Assignments / Class Activity (Average of Best 3) – { 10 marks} ► [Total No. = 1]- Project – { 10 marks} ► [Total No. = 4] – Quiz (Average of Best 2) – { 5 marks} ► Group/Individual Presentations – { 5 marks}
8.03	MTE	20 marks (20%)
8.04	ETE	100 marks (50 %)
9.01	References	
9.02	Text book*	Applied Econometric Time Series (2 nd Edition): Walter Enders: John Wiley and Sons
9.03	Other references	1. J.M. Wooldridge, Introductory Econometrics, 6th edition, 2016, South-Western 2. D. Gujarati and D. Porter, Basic Econometrics, 5th edition, McGraw-Hill, 2009. 3. SP Gupta, MP Gupta Business Statistics 4. Hatekar Neeraj R., Principles of Econometrics (An Introduction Using R) Sage Publication 2010

Mapping of Course Outcomes vs. Programme Outcomes

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	2	2	1	1	3	3	2	2
CO 2	3	2	2	1	1	3	3	2	2
CO 3	2	2	2	2	1	3	3	2	2
CO 4	3	2	2	2	2	3	3	2	2
CO5	2	3	2	2	1	2	3	2	2

Microeconomic Analysis

School: School of Business Studies		Batch : FOR STUDENTS BATCH – BA (Hons) Applied Economics (2016 – 2019)
Program: BA (Hons) Applied Economics		Current Academic Year: 2018- 19
		Semester: 05
1	Course Code	BEC 000
2	Course Title	Microeconomic Analysis
3	Credits	03
4	Contact Hours	4-0-0
	Course Status	?????
5	Course Description	The course covers general equilibrium theory and applications in intermediate microeconomics. This course is an analytical course and uses rigorous logical reasoning to build the foundations of an exploration in economics. It takes concrete examples to build upon the subject matter, such as public goods, externalities and the first and second welfare theorems.
6	Course Objective	<p>To make students understand various aspects of a general equilibrium model and to familiarize them with the applications of general equilibrium</p> <p>To make students examine the different nuances of social choice theory and to initiate them into the logical constructs of Arrow's Impossibility Theorem</p> <p>To make students examine the concept and application of externalities, to analyze their costs and benefits and to derive plausible solutions based on logical and theoretical constructs derived earlier</p> <p>To make students assess different types of public goods and to introduce</p>

		<p>them to the basics of mechanism design</p> <p>To initiate the students to inquire and probe the diverse applications of general equilibrium theory (like overfishing, private provision of a public good, pollution vouchers and carbon credits, etc.) and to develop a framework of logical reasoning viz. advanced microeconomic theory</p>	
7	Course Outcomes	<p>On completion of this course the learners will be able to</p> <p>CO 1. Illustrate basic quantitative tools of optimization in a general equilibrium framework</p> <p>CO 2. Assess the solution of advanced microeconomic problems and pareto optimality</p> <p>CO 3. Describe atypical problems in conventional neoclassical theory and provide reasonable explanations to their causes and effects</p> <p>CO 4. Examine real life situations like free riding, tragedy of the commons, etc. and logically scrutinize their significance in economics</p> <p>CO 5. Determine solutions to basic problems of general equilibrium theory like public goods, pollution, smokers vs. non smokers, etc.</p>	
8	Outline syllabus		
	Unit A	Introduction to General Equilibrium	
	A 1	Exchange and edgeworth box; feasible allocations and endowments	CO1
	A 2	Trade and pareto efficiency; gross and net demands; algebra of equilibrium	CO2
	A 3	Walras' law and existence of an equilibrium; first and second welfare theorems and their implications	CO2
	Unit B	Production in a General Equilibrium Framework	
	B 1	Robinson Crusoe economy and the firm	CO1
	B 2	production and the first welfare theorem; production and the second welfare theorem	CO1

	B 3	Production possibilities; comparative advantage and pareto efficiency; decentralized resource allocation			CO2
	Unit C	Welfare in a General Equilibrium Framework			
	C 1	Aggregation of preferences and Arrow's impossibility theorem			CO3
	C 2	individualistic and social welfare functions			CO3
	C 3	fair allocations; envy and equity			CO3
	Unit D	Externalities			
	D 1	Introduction by example of smokers and non smokers; quasilinear preferences and Coase theorem			CO5
	D 2	Production externalities; pollution vouchers; Pigouvian tax and market signals			CO5
	D 3	Tragedy of the commons; overfishing and New England Lobsters			CO4
	Unit E	Public Goods			
	E 1	When to provide a public good; private provision of the public good; free riding			CO4
	E 2	Different levels of the public good; quasilinear preferences and the public good; pollution revisited			CO5
	E 3	The free rider problem; comparison to private goods; voting and Vickery Clarks Groves (VCG) mechanism			CO5
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30% One quiz and one assignment due after completion	20%	50%	

		of every unit			
	Text book/s*	Hal Varian (2010) Intermediate Microeconomics – A Modern Approach, Eighth Edition – Norton & Norton			
	Other References	Guided study will include text readings, articles on contemporary issues in organization, assignments, case analysis and power point presentations.			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	2	2	1	1	3	-	-	2
CO 2	1	-	2	1	1	3	-	2	2
CO 3	1	2	2	2	1	3	3	-	2
CO 4	3	2	2	2	2	1	-	2	2
CO5	2	3	1	2	1	2	-	2	2

Economics of Health and Education

SCHOOL: SCHOOL OF BUSINESS STUDIES			TEACHING DEPARTMENT: ECONOMICS & IB	ACADEMIC SESSION : 2018-19		FOR STUDENTS BATCH –	
1	Course number						
2	Course Title		Economics of Health & Education				
3	Credits						
4	Course Objective		The importance of education and health in improving well being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors.				
5	Course Outcomes		At the completion of the course students should be able to: <div>1. Understand the relationship between health outcomes and variables that measure macro-economic performance.</div> <div>2. Analyze the demand and supply in health care markets.</div> <div>3. Examine the theory of market failures and policy interventions, mostly from an efficiency standpoint.</div> <div>4. Develop an understanding of the link between the educational system and economic development.</div> <div>5. Analyze the fundamental issues that have to be addressed in choosing an appropriate strategy for educational investment.</div>				
6			Outline syllabus	Pedagogy	L-W-P	Page Nos.	Learning Outcomes
	Paper Code	UNIT A	Health Outcomes & Economic Linkages		5+0+3		Analyze the various epidemiological statistics; the nexus between income and health and understand why health matters.
6.01		Topic 1	Health Status & Trends	Lecture ppts, project assignment, videos	1-0-1	9-23 ¹	
6.02		Topic 2	The Determinants of Health	Lecture ppts, project assignment, videos	2-0-1	27-44 ¹	
6.03		Topic 3	Health in Developing Countries: Success & Challenges	Lectures and videos, case citations and analysis	2-0-1	17-35 ²	

		UNIT B	Microeconomic foundations of health economics		6+1+3		Understand the preferences for health & healthcare, income & price effects, uncertainty & health insurance market and analyze why markets fail and what is the rationale for public intervention.
6.04	BEC	Topic 1	The demand for health care services, Insurance	Conceptual lectures, Videos, case study, presentations, Live projects	3-0-1	55-108 ¹	
6.05	BEC	Topic 2	Market Failure & Public intervention	Concept lecture, illustrative ppts, Live projects, class discussion	1-1-1	157-207 ¹	
6.06	BEC	Topic 3	Role of the government & the market in health	Videos, case study, presentations, Live projects	2-0-1	52-65 ²	
		UNIT C	Health Policies & Projects		3-4-1		Understand the cost-benefit analysis of health projects, the extent of government intervention and various health policy reforms.
6.07	BEC	Topic 1	Health Projects & the burden of disease; Cost-Benefit Analysis; CEA & CUA of health projects.	Concept lecture, Assignment, class discussion	1-2-0	237-254 ¹ 237-254 ³	
6.08	BEC	Topic 2	Health policy- Reforms & Challenges, International assistance for health.	Lecture, Class discussion	1-0-1	156-170 ²	
6.09	BEC	Topic 3	Integrated Health Systems	Lecture, Class discussion, Assignment, Videos	1-2-0	271-280 ¹	
		UNIT D	Education for Development		3-1-3		Understand the contribution of education to economic growth, the opportunity cost of educational investment, the rate of return to investment in education, use of cost-benefit analysis of education and evaluation of costs of education.
6.10	BEC	Topic 1	Education & Economic Growth		1-1-0	14-27 ⁴	
6.11	BEC	Topic 2	Rate of return to investment in Education, Cost Benefit Analysis		1-0-1	29-53 ⁴	
6.12	BEC	Topic 3	The Costs of Education		1-0-2	166-200 ⁴	

		UNIT E	Education: Investment in Human Capital		4-1-4		Understand the Basic Model of Human Capital Investments, the Concept of Present Value, Modeling the Human Capital Investment Decision, the Demand for a College Education and relationship between education and investment.
6.13	BEC	Topic 1	Human Capital Investments: The Basic Model , Demand for a College Education Education,		2-0-1	280-291 ⁵	
6.14	BEC	Topic 2	Earnings, and Post-Schooling Investments in Human Capital		1-0-2	292-297 ⁵	
6.15	BEC	Topic 3	Is Education a Good Investment?		1-1-1	301-313 ⁵	
7.01		Text book*	Reading 1, 2, 3, 4, and 5.				
7.02		Readings	<p>1. William, Jack. Principles of Health Economics for Developing Countries, World Bank Institute Development Studies, 1999. <i>Available at:</i></p> <p>http://documents.worldbank.org/curated/en/569351468765045048/pdf/multi-page.pdf</p> <p>2. World Development Report, Investing in Health, The World Bank, 199. <i>Available at:</i></p> <p>https://openknowledge.worldbank.org/bitstream/handle/10986/5976/9780195208900_fm.pdf</p> <p>3. Over, Mead 199, Chapter 4- Cost Effectiveness Analysis in Health: First Principles , Economics for Health Sector Analysis: Concepts and Cases, Economic Development Institute of The World Bank. <i>Available at:</i></p> <p>http://documents.worldbank.org/curated/en/786801468740375617/pdf/multi-page.pdf</p> <p>4. Psacharopoulos, G., & Woodhall, M. (1993). <i>Education for development</i>. oxford university press. <i>Available at:</i></p> <p>http://documents.worldbank.org/curated/en/477701468137718173/pdf/multi-page.pdf</p> <p>5. Ehrenberg, R. G., & Smith, R. S. (2016). <i>Modern labor</i></p>				

economics: Theory and public policy. Routledge. Available at:

http://fac.ksu.edu.sa/sites/default/files/Modern_labor_economics_theory_and_public_policy_0.pdf

Mapping of Outcomes vs. Topics

	Outcome no. → Syllabus topic↓	1	2	3	4	5
	UNIT A					
8.01	Topic 1	X				
8.02	Topic 2	X				
8.03	Topic 3	X				
	UNIT B					
8.04	Topic 1		X			
8.05	Topic 2		X	X		
8.06	Topic 3		X	X		
	UNIT C					
8.07	Topic 1			X		
8.08	Topic 2			X		
8.09	Topic 3			X		
	UNIT D					
8.10	Topic 1				X	
8.11	Topic 2				X	X
8.12	Topic 3				X	
	UNIT E					
8.13	Topic 1				X	X
8.14	Topic 2				X	X
8.15	Topic 3				X	X

Global Economic Issues

School:		School of Business Studies
Department:		Economics and International Business
Batch :		(2016 – 2019)
Program:		B.A. (Hons.) Applied Economics
Current Academic Year: 2018- 19		
Branch: - 2018-19		Semester: Vth
1	Course Code	_____
2	Course Title	Global Issues in Economics
3	Credits	04
4	Contact Hours	4-0-0
	Course Status	Department Specific Elective (Elective Course)
5	Course Description	<p>The subject “Global Issues in Economics” fulfills two main functions within the degree Programs in which it is included: firstly, it introduces some of the topics present in introductory texts to economics (trade, finance, growth and development, population, resources and the environment). This has a double purpose. On the one hand, it will provide students with the basic knowledge on these Programs; on the other hand, it establishes a basis for different fields of professional specialization (from the field of external trade and international negotiations to the world of international relations and the organizations involved) and of academic specialization (from the different branches of international economics to economics of development).</p> <p>Secondly, by focusing on international issues (trade, mobility of factors, and finance), this subject is intended to reinforce the cosmopolitan background of the students, an element that is especially valuable in the framework of the globalization of the marketplace and the institutions related to global and international issues. In brief, the subject “Global Economic Issues” provides students with the basic education regarding business and economy and it is especially valuable in the current era of globalization.</p> <p>“Global Issues in Economics” is an advance course and does require students to have previous knowledge in the field of International Economics.</p>
6	Course Outcome	<p>On completion of this course the learners will be able to</p> <p>I. To be able to understand the main issues of the world economic</p>

		<p>environment both individually and through debate in multiple working groups K2</p> <p>II. To be able to apply the concepts and basic methodology of economics in order to understand and analyse problems of the world economic environment K2</p> <p>III. To learn how to use the most suitable tools for the economic analysis to evaluate the existing interdependence relationships in the studied economic areas K3</p> <p>IV. To improve the capacity to obtain and interpret the information and material necessary to understand the world economic environment, recognizing the different levels of validity of these sources. K3</p> <p>V. To strengthen the ability to use computing tools which allow, individually and as a group, to gain a closer understanding of the world economic environment K3</p>
7	Course Objectives	<p>Knowledge acquisition regarding the basic world economic data and the main sources.</p> <p>Training of a solid analytical basis in order to address, at the introductory level, international, commercial and financial issues and the international mobility of economic factors.</p> <p>Achievement of an understanding of the key growth factors and the economic dimension of the problems of underdevelopment, together with the most suitable strategies to solve these issues.</p> <p>Achievement of an understanding of the possibilities and limitations of population and resources in development, and the ability to analyse them in an economic framework.</p> <p>Development of the basic knowledge necessary to cope with the subjects on this degree course related to international and global issues.</p>
8	Outline syllabus	
	Unit A	Basic analysis of international trade
	A 1	1. The sources of international trade and classical analysis International Trade Theories – Absolute and Comparative Advantages
	A 2	2. Neoclassical analysis of international trade Factor Endowment Theory and Product Life Cycle Theory
	A 3	3. Theory of Comparative Advantage of Nations. (Application of these theories in understanding of international trade.

Unit B	Trade policies			
B 1	Tariffs and non-tariff barriers			CO2 K2
B 2	Free trade and protectionism: theory and institutions			CO2 K2
B 3	The World Trade Organization (WTO) Multilateral Trade Negotiations (Kennedy, Tokyo, Uruguay, Doha Rounds) The GATT, GATS y TRIPS agreements			CO2 K2
Unit C	International mobility of economic factors			
C 1	An economic analysis of the international mobility of labour			CO3 K3
C 2	An economic analysis of multinational corporations			CO3 K3
C 3	OLI (Ownership, Location, Internalization) paradigm			CO3 K4
Unit D	Balance of payments and exchange rates			
D 1	The Balance of Payment			CO4 K3
D 2	The Exchange Rate System			CO4 K3
D 3	Purchasing Power Parity and the Law of One Price			CO4 K3
Unit E	International monetary relations			
E 1	The fixed exchange rate and the Gold Standard			CO5 K3
E 2	From the Bretton Woods system to the era of flotation			CO5 K3
E 3	Analysis of the price specie-flow adjustment mechanism			CO5 K3
Mode of examination	Theory			
Weightage Distribution	CA	MTE	ETE	
	30% One quiz and one assignment due after completion of every unit	20%	50%	
Text book/s*	SAMUELSON, P. A. and W. D. NORDHAUS (2010): Economics, 19 ^a ed., McGraw Hill, International Edition. KRUGMAN, P. R. and M. OBSTFELD (2006): International economics. Theory and policy, 7 ^a ed., Pearson (topic 6).			
Other References	Joshi, R. M. (2009). International business. OUP Catalogue. Updated Edition 2016			

Summer Internship Project Paper

Indian Economy

School: School of Business Studies		Batch: 2017-20	
Teaching Department: Economics and IB		Current Academic Year: 2018-19	
Program: BA (Economics)			
Branch:		Semester: VI	
1	Course Code	BEC ???	
2	Course Title	Indian Economy	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Status	Compulsory	
5	Course Description	This course enables students to understand the issues in Indian economy.	
6	Course Objectives	The objective of the course is to provide an overview of the pertinent issues in Indian economy. These issues include growth, unemployment, poverty, inequality and human development, agriculture, industry, services sector, financial sector, external sector, foreign trade policy, foreign direct investment, and India's rise in the global economy.	
7	Course Outcomes	This course contains several topics on contemporary Indian economy. After completion of the course CO1: The student will be able to describe issues pertaining to GDP growth, unemployment, poverty, inequality and human development in the Indian economy. CO2: The student will be able to assess challenges and opportunities of various sectors (e.g. agriculture, industry, services). CO3: The student will be able to analyse nature of linkages of Indian economy with rest of the world through trade and investment channels. CO4: The student will be able to evaluate the challenges and opportunities before the Indian economy in improving its position in the global economic structure.	
8	Outline syllabus		CO Mapping
	Unit A	National Income, Unemployment, Poverty, Human Development	
	A 1	Economic growth in India: pre and post reform of 1991	CO1
	A 2	Unemployment and poverty in Indian economy	CO1
	A 3	Issues in human development	CO1
	Unit B	Sectoral issues in Indian economy	
	B 1	Issues in Indian Agriculture	CO2
	B 2	Challenges and opportunities of the Industrial sector	CO2
	B 3	Problems and Prospects of the services sector	CO2
	Unit C	International Trade and Indian Economy	
	C 1	India's export and imports of goods	CO3
	C 2	Services exports and imports	CO3
	C 3	Foreign trade policy, Trade balance and India's current account	CO3

	Unit D	Foreign Direct Investment and Indian Economy			
	D 1	FDI liberalization: Rational and strategy			CO3
	D 2	FDI inflow: Industry and regional variation of FDI			CO3
	D 3	Multinational corporations and the Impact of FDI on Indian economy			CO3
	Unit E	India in the global economy			
	E 1	GDP, Per capita income, standard of living			CO4
	E 2	Share in world trade and FDI			CO4
	E 3	India's role in global economy and structure			CO4
	Mode of examination	Theory, concepts and data interpretation			
	Weightage	CA	MTE	ETE	
	Distribution	30%	20%	50%	
	Text book/s	<ul style="list-style-type: none"> Indian Economy- Performance and Policies by Uma Kapila , Academic Foundation 			
	Other References	<ul style="list-style-type: none"> India and the Global Economy by Rajiv Kumar and Abhijit Sen Gupta, Academic Foundation 			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	1	2	2	1	2	1
CO2	1	2	2	1	2	2	2	2	1
CO3	1	2	2	1	2	1	1	2	1
CO4	1	2	2	1	2	1	1	2	1
CO5	1	2	2	1	2	1	1	2	1

Structure of Global Economy

School: SCHOOL OF BUSINESS STUDIES		Batch : 2018-21	
Program: BBA IV		Current Academic Year: 2018 - 19	
Branch:		Semester: VI	
1	Course Code	BBA 051	
2	Course Title	Structure of Global Economy	
3	Credits	3	
4	Contact Hours (L-T-P)	3-1-2	
	Course Type	Compulsory /Elective/Open Elective	
5	Course Objective	<p>The course aims to:</p> <p>Make students describe various effecting various global demographic variables and trends.</p> <p>Make students explain the need for global Industries to Shift their Strategic Priorities.</p> <p>Make students Illustrate the global agriculture productivity and its transition. .</p> <p>Make students explain the causes and consequences of income inequality.</p> <p>Make students explain the environment challenges at global level.</p>	
6	Course Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1. Describe various effecting various global demographic variables and trends. 2. Explain the need for global Industries to Shift their Strategic Priorities. 3. Illustrate the global agriculture productivity and its transition. . 4. Explain the causes and consequences of income inequality. 5. Explain the environment challenges at global level. 	
7	Course Description		
8	Outline syllabus		CO Mapping
	Unit 1	Global Demography: Fact, Force and Future(Reading 1)	
	A	Global Demographic Trends and Patterns	CO1
	B	Effect on Economics	CO1

	C	Thinking Ahead	CO1		
	Unit 2	Why Global Industrials Must Shift Strategic Priorities (Reading 2)			
	A	Industrial trends and sales model transformation; Re-evaluating and optimizing value chain participation	CO2		
	B	Developing a “match-fit” organization; Embracing and leveraging disruptive technology and digital capabilities	CO2		
	C	Configuring for fast-cycle R&D, innovation and technology adoption	CO2		
	Unit 3	Agriculture in the Global Economy(Reading 3)			
	A	The Shifting Locus of Global Agricultural Production	CO3		
	B	A Closer Look at Agricultural Productivity Growth; Agricultural Innovation	CO3		
	C	The Transition of Agriculture as Economies Grow; A Changing World Order	CO3		
	Unit 4	Causes and Consequences of Income Inequality: A Global Perspective(Reading 4)			
	A	Macroeconomic Consequences: Why We Care	CO4		
	B	Stylized Facts: What Do We Know About Inequality of Outcomes and Opportunities?	CO4		
	C	Inequality Drivers	CO4		
	Unit 5	Environmental Challenges in a Global Context (Reading 5)			
	A	Environmental Challenges	CO5		
	B	How Environmental Challenges are Closely Connected with Global Drivers of Change	CO5		
	C	How Environmental Challenges may Increase Risks to Food, Energy and Water Security on a Global Scale	CO5		
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
		[Total No. = 5] – Assignments / Class Activity (Average of Best 3) – { 10 marks} [Total No. = 1]- Project – { 10 marks} [Total No. = 4] – Quiz (Average of Best 2) – { 5 marks} Group/Individual Presentations – { 5 marks}			
	Text book/s*	Reading 1, 2, 3, 4, and 5			
	Other References	Reading 1 Available at http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.697.8912&rep=rep1&type=pdf			

		Reading 2 Available at http://cdn.lek.com/sites/default/files/LEK_Special_Report_Why_Global_Industries_Shift_Strategic_Priorities.pdf Reading 3 Available at https://www.aeaweb.org/articles?id=10.1257/jep.28.1.121 Reading 4 Available at https://www.imf.org/external/pubs/ft/sdn/2015/sdn1513.pdf Reading 5 Available at http://www.eea.europa.eu/soer/syntheses/synthesis/chapter7.xhtml Additional Reading Navigating the Global Economy: Available at https://www.efic.gov.au/media/3524/wine-australia.pdf	
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POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO201.1	-	-	2	-	-	-	-	-	-	-
CO201.2	-	-	-	-	1	-	-	-	-	-
CO201.3	-	2	-	-	-	-	-	-	-	-
CO201.4	3	-	-	-	-	-	-	-	-	-
CO201.5	-	3	-	1	-	-	-	-	-	-

Economic Modelling

Economics of Internet and E-Commerce

School: SBS	Batch : 2018-2021	
Program: BA (Hons.) Applied Economics	Current Academic Year:	
Branch:	Semester: V	
1 Course Code		
2 Course Title	Introduction to Internet and E-Commerce	
3 Credits	4	
4 Contact Hours (L-T-P)	4-0-0	
Course Type	Elective	
5 Course Objective	<p>The objective of the course is to</p> <ol style="list-style-type: none"> 1. Students should be able to use concepts of economics in area of Internet, E-commerce, Use of Digital Currency and Block chain Currency. 2. Students should understand the application of Economic theories in internet based pricing, products, promotion and currency. 3. Students should be able to differentiate internet based transaction, purchases and exchange from traditional modes of exchange. 4. Students should be able to comprehend the dynamics internet in ordinary economic life and business related transactions and its impact on employment, profit and income distribution. 	
6 Course Outcomes	<p>CO1: The student will be able to know about fundamental economic basis of internet and products/prices based on internet.</p> <p>CO2: The student will be able to understand economic principles used in internet based exchanges and product pricing.</p> <p>CO3: The student will be able to Apply the knowledge of economics in comprehending events related to internet.</p> <p>CO4: The student will be able to analyse the usability of internet based products, purchases and currency by public in a given scenario</p>	
7 Course Description	<p>Internet has increasingly become the integral part of our life and business. This course is designed to equip our students about the economic principles and processes adopted by internet and other economic activities based on internet. In this course students will learn about the pricing practices and demand based on internet platform. Students will also learn about the development of digital transactions and the currency based on internet.</p>	
8 Outline syllabus		CO Mapping

				g
Unit 1	The Impact of Internet on horizontal and vertical competition: Market Efficiency			CO1, CO2, CO3.
A	Internet Market Efficiency: Price Levels, Dispersion and Elasticity, and Menu Costs			CO1, CO2
B	Why Has the Internet's Impact on Pricing Been Limited?			CO1, CO2
C	The Internet's Impact On 'Vertical Competition'			CO2
Unit 2	Price Competition Between Pure Play Versus Bricks-And-Clicks E-Tailers			CO1, CO2, CO3
A	Analytic Model Of Price Competition Between Pure Play And Bricks-And-Clicks E-Tailers			CO2
B	Bricks-and-Mortar Versus Pure Play Internet e-Tailers Bricks-and-Clicks Versus Pure Play Internet e-Tailers			CO1, CO3
C	Use of Empirical Model for Estimation			CO3
Unit 3	Business-To-Business E-Commerce: Value Creation, Value Capture And Valuation			CO3, CO4
A	Measuring value creation in B2B e-commerce			CO3
B	The Framework In Action: The Case Of Autodaq			CO3
C	From Value Creation To Value Capture: The Rise And Fall Of B2B Valuations			CO4
Unit 4	Analyzing Website Choice Using Clickstream Data			CO2, CO3
A	The Internet Portal Market			CO2
B	Using The Multinomial Logit With Clickstream Data			CO3
C	Path Analysis of Online Users Using Clickstream Data: Case Online Magazine Website.			
Unit 5	The Economics of Block chain			CO2, CO4
A	Introduction to the most curious technology			CO2
B	Technological approaches to the economics of blockchain			CO2
C	Governance approaches to the economics of blockchain, Case study: Backfeed			CO4
Mode of examination	Theory/Jury/Practical/Viva			
Weightage Distribution	CA	MTE	ETE	
	30%	20%	50%	
Text book/s*	The Economics of the Internet and E-Commerce (Advances in Applied Microeconomics)			

	M.R. Baye, Elsevier Science Pvt. Ltd. 2002. http://lutpub.lut.fi/bitstream/handle/10024/120865/ProGradu_Linden_fi_nal.pdf?sequence=2 https://hal.archives-ouvertes.fr/hal-01382002/document	
Other References	1. Davidson, S., De Filippi, P. and Potts, J., 2016. Economics of blockchain. Available at SSRN 2744751. 2. Conley, J.P., 2017. Blockchain and the economics of crypto-tokens and initial coin offerings (No. 17-00008). Vanderbilt University Department of Economics. 3. Böhme, R., Christin, N., Edelman, B., & Moore, T. (2015). Bitcoin: Economics, technology, and governance. Journal of Economic Perspectives, 29(2), 213-38. 4. Houy, N. (2014). The economics of Bitcoin transaction fees. GATE WP, 1407.	

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	2	1	3	1	1	1
CO2	2	1	1	1	1	1	1	2	-
CO3	3	1	1	3	1	3	1	3	-
CO4	2	1	3	3	1	3	2	2	1

Financial Market Economics

Macroeconomic Analysis

School:		School of Business Studies
Batch :		(2018 – 2021)
Program:		BA (Hons) Applied Economics
Current Academic Year:		2018- 19
Branch: - 2018-19		Semester: 6th
1	Course Code	_____
2	Course Title	Macroeconomic Analysis
3	Credits	04
4	Contact Hours	4-0-0
	Course Status	Compulsory (Core Course)
5	Course Description	This course provides the foundation of macroeconomic analysis and its application in basic economy; inflation, employment, finance and monetary and fiscal policy, so that the students can understand the concepts taught in the class in their real life. Efforts have been made to distinguish this course from a course in traditional macroeconomic course and pay more emphasis on examples and exercises related to application of microeconomics in terms of game theory and decision making. Moreover, weightage has been given to conceptual understanding and activity based learning, rather than delving into the technicalities of concepts.
6	Course Objective	<ul style="list-style-type: none"> - The students will be able to understand the basic idea of inflation, unemployment and aggregate demand & aggregate supply - The students will be able to apply game theory and decision making in policy making - The students will be able to analyse the significance of fundamental concepts of applied macro and microeconomics. - The students will be able to evaluate the basic data and obtain desired results by using statistical techniques.
7	Course Outcomes	<p>On completion of this course the learners will be able to</p> <p>CO 1. The student will be able to define the concepts of inflation, unemployment, aggregate demand & aggregate supply</p> <p>CO 2. The student will be able to describe the IS-LM model</p> <p>CO 3. The student will be able to apply the concepts of IS-LM in an open economy</p>

		CO 4. The student will be able to analyse concepts of consumption and investment.	
8	Outline syllabus		
	Unit A		
	A 1	Functions of Money	CO1
	A 2	quantity theory of money;	CO1
	A 3	determination of money supply and demand: tools of monetary policy	CO2
	Unit B	Inflation and Unemployment	
	B 1	Concept of inflation; determinants of inflation	CO2
	B 2	Phillips Curve	CO1, CO2
	B 3	Unemployment	CO2
	Unit C	The economy in the short term	
	C 1	Introduction to economic fluctuations, aggregate demand and aggregate supply	CO2
	C 2	The Goods market and the IS curve, The money market and the LM curve	CO2
	C 3	Explaining fluctuations with the IS-LM Model, IS-LM as theory of aggregate demand	CO2, CO3
	Unit D	Aggregate demand in the Open economy	
	D 1	The open economy, international flow of capital and goods, exchange rates	CO2
	D 2	The Mundell Fleming Model	CO2
	D 3	Open economy under fixed and flexible exchange rates	CO3
	Unit E	Aggregate supply	
	E 1	Three models of aggregate supply	CO4
	E 2	Consumer Price Index, Wholesale Price Index, Index of Industrial Production	CO4
	E 3	Consumption & Investment (with links to microeconomics)	CO3, CO4
	Mode of examination	Theory	
	Weightage Distribution	CA	MTE

	E 1	30% One quiz and one assignment due after completion of every unit	20%
	Text book/s*	1. Macroeconomics : N Gregory Mankiw Intermediate Microeconomics: Hal Varian	
	Other References	1. Macroeconomics Principles, Applications and Tools: O Sullivan, Sheffrin and Perez, Pearson	

Mapping of Course Outcomes and Programme Outcomes

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	2	2	3	1	1	3	3	2	2
CO 2	3	2	3	1	1	3	3	3	2
CO 3	2	2	2	2	1	3	3	2	2
CO 4	3	2	2	2	2	3	3	2	2

Public Policy and Governance

SCHOOL: SCHOOL OF BUSINESS STUDIES		TEACHING DEPARTMENT: ECONOMICS & IB	OPERATIONAL FROM (ACADEMIC TERM): 2017– 2018	FOR STUDENTS BATCH – B.A HONS APPLIED ECONOMICS (2015 – 2018)
1	Course number	BEC303		
2	Course Title	PUBLIC POLICY AND GOVERNANCE		
3	Credits	04		
4	Learning Hours	Contact Hours	40	
		Workshops	20	
		Project/Field Work	20	
		Assessment	10	
		Guided Study	10	
		Total hours	100	
5	Course Objective	The aim of this course is to present various important and practically relevant issues regarding policy making in solving the problems of market failure. It also considers the possibility of state failure.		
6	Course Outcomes	<p>On completion of this course the learners will be able to</p> <p>CO1 The student will be able to understand various public policies;</p> <p>CO2 The student will be able to describe inputs relevant for policy making</p> <p>CO3 The student will be able to apply the knowledge of public policies in impacting business decisions</p> <p>CO4 The student will be able to analyse the contemporary public policies.</p> <p>CO5 The student will be able to evaluate the various public policies in different contexts</p>		

6.01	Text book*		Kraft & Furlong, Public Policy: Politics, Analysis and Alternatives, 4 th edition (2013): Sage			
6.02	Other references					
7			Outline syllabus	Pedagogy	L-W-P	Student Learning outcome
7.01	BEC303. A	Unit A	The Study of Public Policy			
7.02	BEC303.A1	Topic 1	Basic Understanding of Public Policy	Lecture ppts, class discussion, project assignment, videos	2-1-1	Understand what is meant by public policy, its relevance CO1
7.03	BEC303.A2	Topic 2	Government Institutions and Policy Actors	Conceptual illustrative lecture ppts, project assignment,	2-1-1	Analyze role of government & non-government institutions in public-policy making CO1, CO2
7.04		Topic 3	Understanding Public Policy making	Lectures and videos, case citations and analysis	2-1-1	This will help to understand nature & theories of different public policies, how such policies are formulated CO1, CO2
7.05	BEC 303 B	Unit B	Analysing Public Policy			
7.06	BEC303.B1	Topic 1	Policy analysis	Conceptual lectures , case study, presentations, Live projects	2-1-1	Understand nature & steps in policy analysis CO2, CO3
7.07	BEC 303.B2	Topic 2	Policy Problems and alternatives	Concept lecture, illustrative ppts, Live projects, class discussion	1-1-1	Analysing various problems in policy making & exploration of alternative public policies CO2, CO3

7.08	BEC303.B3	Topic 3	Assessing Policy alternatives	Videos , case study, presentations, Live projects	2-1-1	Analyse merits & demerits of alternative polices CO2, CO3
7.09	BEC 303 C	Unit C	Issues and Controversies in Public Policy I			
7.10	BEC303.C1	Topic 1	Economic and budgetary Policy	Concept lecture, Management games, class discussion, quizzes	1-2-0	Understand goals of economic policies, inflation, unemployment, economic growth public debt, budgetary deficits etc. CO2, CO4
7.11	BEC303.C2	Topic 2	Health Care Policy	Class discussion illustration via examples, management games	1-2-2	Understand & analyse health care policy by government, private players, recent evolvement of healthcare industries CO4
7.12	BEC303.C3	Topic 3	Education Policy	Management games & lectures, videos	1-1-2	Various education policies by government CO4, CO5
7.13	BEC 303D	Unit D	Issues and Controversies in Public Policy II			
7.14	BEC303. D1	Topic 1	Welfare and Social Security Policy	Case study, movie, illustrative ppts	1-1-2	Understand various welfare and social security polices by government CO1, CO4, CO5

7.15	BEC303.D2	Topic 2	Environment & Energy Policy	Video Based lectures –class discussion, illustrative ppts	1-1-2	Understand environmental & energy policies, and current global policies like green energy, climate finance etc. CO4, CO5
7.16	BEC303.D3	Topic 3	Natural Resource Policies	Case study, Readings, concept understanding	1-2-2	Understand procurement policies of natural resources CO4, CO5
7.17	BEC303E	Unit E	Foreign Policy & homeland security			
7.18	BEC303. E1	Topic 1	Background & policy evaluation	Illustrative ppts, case & news analysis	2-1-2	Understand foreign policies and issues related to homeland security CO2, CO4
7.18	BEC303.E2	Topic 2	Marshal Plan, NATO, cold war	Concept, Case study, country example & events analysis	1-2-1	Brief historical overview of notable events & their implications regarding public policies CO5
7.19	BEC303.E3	Topic 3	The United Nations & globalisation	Concept lecture, Management games,	1-2-1	Understand global institutions and their role in public policies CO2, CO5

8	Course Evaluation	
8.1	Course work: Weight	50%
8.11	Continuous Assessment	30% -- One quiz and one assignment due after completion of every unit.
8.12	Homework	
8.13	Quiz (1 &2)	
8.14	Group Project	
8.15	Class participation in activities &Presentations	
8.16	MTE	20
8.2	End-term examination: weight 50%	
9	References	
9.1	Text book*	Kraft & Furlong, Public Policy: Politics, Analysis and Alternatives, 4 th edition (2013): Sage
9.2	other references	

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	2	2	1	1	3	3	2	2
CO 2	3	2	2	1	1	3	3	2	2
CO 3	2	2	3	2	1	3	3	2	2
CO 4	3	2	2	2	2	3	3	2	2
CO5	2	3	2	2	1	2	3	2	2

Economic Way of Thinking

School: SBS		Batch : 2018-2021	
Program: BA (Hons.) Applied Economics		Current Academic Year: 2020-2021	
Branch:		Semester: VI	
1	Course Code		
2	Course Title	Economic way of Thinking	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Type	DSE:- Department Specific Electives	
5	Course Objective	The objectives of this course are a) to relish the ideas of economics in routine life to understand the complexities of life explained in economic terms and their interactions. b) to provide economic perspective to the common events for better understanding of events.	
6	Course Outcomes	On successful completion of this module learners will be able to: a) know about economic principles woven around the activities of life. b) Understand complexities of daily life in simple economic terms c) Apply their understanding in explaining business and social scenarios. d) Analyse the concepts of economics like trade, price in terms of their connection with other real life activities.	
7	Course Description	This course is designed to for economics students to deal with fundamental problems understanding applying economic understanding in common activities to make them thinking like an economists.	
8	Outline syllabus		CO Mapping
	Unit 1	The Invisible Heart : An Economic Romance	CO1, CO2, CO3.
	A	Chapter 1 to Chapter 4	CO1, CO2
	B		CO1,

		Chapter 5 to Chapter 8	CO2
	C	Chapter 9 to Chapter 12	CO2
	Unit 2	The Invisible Heart: An Economic Romance	CO1, CO2,C O3
	A	Chapter 13 to Chapter 16	CO2
	B	Chapter 16 to Chapter 20	CO1, CO3
	C	Chapter 21 to Chapter 22	CO3
	Unit 3	The Choice: A Fable of Free Trade and Protectionism	CO3, CO4
	A	Chapter 1 – Soul of David Ricardo Chapter 2 – The Challenge of Foreign Competition	CO3
	B	Chapter 3 – The Roundabout way of Wealth, Chapter 4- Is trade good for America?	CO3
	C	Chapter 5- Are Manufacturing Jobs better than Services Jobs, Chapter 6 – Is Outsourcing a threat to American Prosperity, Chapter 7- Do Tariffs Protect American Jobs?	CO4
	Unit 4	The Choice: A Fable of Free Trade and Protectionism	CO2, CO3
	A	Chapter 8- Tariff Vs. Quota, Chapter 9 – Road Trip, Chapter 10- A Case for Protection.	CO2
	B	Chapter 11- Do Trade Deficits hurt America, Chapter 12- Fair Trade Vs. Free Trade, Chapter 13- Is Globalization Good for Poor?	CO3
	C	Chapter 14- Self Sufficiency is Road to Poverty, Chapter 15 - Choice	
	Unit 5	The Price of Everything	CO2, CO4
	A	Chapter 1 (Thinking outside of the Box) to Chapter 4 (Inconceivable)	CO2
	B	Chapter 5 (Leaning to Gardener) to Chapter 8 (A Night in Cemetery)	CO2
	C	Chapter 8 (The Price of Everything) to Chapter 13 (How's it going to end?)	CO4
	Mode of examination	Theory	
	Weightage Distribution	Continuous Assessment	Mid Term Examination
		30%	20%
			50%
	Text book/s*	Robert Russell - The Invisible Heart : An Economic Romance (2001), MIT Press The Choice: A Fable of Free Trade and Protectionism Prentice Hall, Pearson Education (2006) The Price of Everything (2001) Princeton University Press.	
	Other Referenc es		

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	1	1	3	1	1	1	1	1
CO2	1	3	1	1	2	2	3	2	1
CO3	3	3	1	3	2	3	3	3	1
CO4	3	3	2	3	1	3	2	3	1