B.A. Honors. (Applied Economics) Program,(2019-2022) School of Business Studies, Sharda University, Greater Noida, Delhi NCR

	Semester 1		Cr.	Semester 2		Cr	Semester 3		Cr	Semester 4		Cr	Semester 5		Cr	Semester 6		Cr	
e Courses 18 Core Courses)	i	Mathematics for Economics and Business I	4	i	Mathematics for Economics and Business II	**4**	i	Public Economics	**4**	i	Money and Financial Markets	**4**	i	Economics of Organization	**4**	i	Indian Economy	**4**	C
	ii	Introductory Microeconomics I	**4**	ii	Introductory Microeconomics II	**4**	ii	Introductory Macroeconomics	**4**	ii	Development Economics	**4**	ii	International Economics	**4**	ii	Structure of Global Economy	**4**	(C (4
	iii	Statistics for Business and Economics I	**4**	iii	Statistics for Business and Economics II	**4**	iii	Basic Econometrics	**4**	iii	Intermediate Econometrics	**4**	iii	Economic Research Methods with R	**4**	iii	Economic Modelling	**4**	C
Ability hancement urses/ Skill hancement Courses	1	Communicative English I	**2**	1	Communicative English II	**2**	1			1									C
								Environmental Study	**2**		IT Skills and Data Analysis	**2**		Total Personality Development	**3**				(C
Generic Elective Courses		To be opted by students	**2**		To be opted by students	**2**		To be opted by students	**2**		To be opted by students	**2**							
Generic rdisciplinary tive Courses	i	Principles of Management	**4**	i	Human Resource Management	**4**	i	Marketing Management	**4**	i	Accounting for Business Decisions	4							
iscipline Specific lectives Courses													i	DSE 1	**4**	i	DSE 4	**4**	C
													ii	DSE 2	**4**	ii	DSE 5	**4**	
													Iii	DSE 3	**4**	iii	DSE 6	**4**	C

Field rk/Projects					Field Work/Term Paper Publishable in e-magazine of the Department	3		Field Work/Term Paper Publishable in e-magazine of the Department	4		Field Work/Term Paper Publishable in e-magazine of the Department	4	i	Summer Project Publishable in e-Journal of the Department	**4**	i	Research Essay/Report Publishable in e-Journal of the Department	**4**
um Total Credit		**Semester 1**	**20**		**Semester 2**	**23**		**Semester 3**	**24**		**Semester 4**	**24**		**Semester 5**	**31**		**Semester 6**	**28**

Department Specific Electives (Three out of first five and rest five courses to be opted by students in Vth and VIth Semesters respectively)

1 Introduction to Energy Economics [ ] 2. Applied Econometrics [ ] 3. Microeconomic Analysis [ ] 4. Economics of Health and Education [ ] 5. Global Economic Issues
6 Economics of Internet and E-Commerce [ ] 7. Financial Market Economics [ ]. 8. Macroeconomic Analysis [ ] 9. Public Policy and Governance [ ] 10. Economic Way of Thinking

* The term paper / field work report consists of 1500 /2000 words (excluding title, subtitle, footnotes, endnotes, tables, graphs, and reference/ bibliography) of plagiarized, publishable, original work of students in any of the core courses for 3 and 4 credits respectively
The term paper will be in the form of book reviews, article reviews, summary of the chapter/ report or article and evaluated by respective core course teacher.

Curriculum and Syllabi
B.A.(Hons) Applied Economics
SBS 0104

Regulation 2019-2022

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

Creative Campaign Can be TEDs: This is guiding principle for promotion and wide circulation among various stakeholder.
Guidelines: Similar Mnemonics can be designed by schools.

Core Values

Integrity
Leadership
Diversity
Community

Note: Detailed Mission Statements of University can be used for developing Mission Statements of Schools/ Departments.

1.2 Vision and Mission of the School

School of Business Studies, Sharda University

Vision

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

Mission

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 andCommunity

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

STEP 1 : The needs of the Nation and society are identified through scientific publications, industry interaction and media.

STEP 2. Taking the above into consideration, the PEOs are established by the Coordination Committee of the department.

STEP 3. The PEOs are communicated to the alumni and their suggestions are obtained.

STEP 4. The PEOs are communicated to all the faculty members of the department and their feedback is obtained.

STEP 5. 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** byimbibingeconomic 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** inobtaining 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 studiesin leadinguniversities 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.

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 Table[1]:

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	-	-	2	-	2	-	-	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 301.3	Basic Econometrics	3	3	1	2	1	3	3	2	-
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	-	-	2	-	2	-	-	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	-	-	2	-	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	-

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

Course 501.5	Discipline Specific Elective 1	2	2	-	1	-	3	-	1	-
Course 501.6	Discipline Specific Elective 2	2	1	-	3	-	2	-	1	-
Course 501.7	Discipline Specific Elective 3	2	2	-	3	-	1	-	1	-
Course 501.8	Summer Internship Project Paper	-	-	2	-	2	-	-	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	2	2	-	3	-	3	-	2	-
Course 601.5	Discipline Specific Elective 5	2	2	-	3	-	2	-	2	-
Course 601.6	Discipline Specific Elective 6	2	1	-	2	-	3	-	1	-
Course 601.7	Research Essay/ Report	2	2	2	2	1	1	1	1	-

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

B. Program Structure Template

Program Structure Template
School of Business Studies
B.A. (Hons.) Applied Economics
Batch: 2019-2022
TERM: I

S. No.		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	Core	CC
2.		BEC 120	Introductory Microeconomics I	4	0	0	4	Core	CC
3.		BEC 121	Statistics for Business and Economics I	4	0	0	4	Core	CC
4.		FEN 101	Functional English I	1	0	2	2	Pre-Requisite	AECC
5.			Open Elective Course					Elective	
6.		BEC106	Principles of Management	4	0	0	4	Elective	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: 2019-2022
TERM: II

S. No.		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									
9.		BEC122	Mathematics for Business and Economics II	4	0	0	4	Core	CC
10		BEC123	Introductory Microeconomics II	4	0	0	4	Core	CC
11.		BEC124	Statistics for Business and Economics II	4	0	0	4	Core	CC
12.		FEN 102	Functional English II	1	0	2	2	Pre-requisite	AECC
13.			Open Elective Course	2	0	0	2	Elective	
14.		BEC110	Human Resource Management	4	0	0	4	Elective	GE
Practical/Viva-Voce/Jury									
15.		BEP101	Field Work Paper	0	0	6	3	Core	P
TOTAL CREDITS							**23**		

Field Work Paper

[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: 2019-2022
TERM: III

S. No.		Subject Code	Subjects	Teaching Load L	T	P	Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course[4]: 5. CC 6. AECC 7. SEC 8. DSE
THEORY SUBJECTS									
16		BEC213	Public Economics	4	0	0	4	Core	CC
17		BEC215	Introductory Macroeconomics	4	0	0	4	Core	CC
18		BEC212	Basic Econometrics	4	0	0	4	Core	CC
19		EVS105	Environmental Studies	2	0	0	2	Core	AECC
20			Open Elective Course	2	0	0	2	Elective	
21		BEC202	Marketing Management	4	0	0	4	Elective	GE
Practical/Viva-Voce/Jury									
22		BEP251	Field Work Paper	0	0	6	3	Core	P
23									
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: 2019-2022
TERM: IV

S. No.		Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course[5]: 9. CC 10. AECC 11. SEC 12. DSE
				L	T	P			
THEORY SUBJECTS									
24		BEC211	Money and Financial Markets	4	0	0	4	Core	CC
25		BEC205	Development Economics	4	0	0	4	Core	CC
26		BEC 216	Intermediate Econometrics	4	0	0	4	Core	CC
27		BEC 217	IT Skills and data analysis	2	0	0	2	Elective	SEC
28			Open Elective Course	2	0	0	2	Elective	
29		BEC209	Accounting for Business Decisions	4	0	0	4	Elective	GE
Practical/Viva-Voce/Jury									
30		BEP101	Field Work Paper	0	0	8	4	Core	
31									
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: 2019-2022
TERM: V

S. No.		Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course[6]: 13. CC 14. AECC 15. SEC 16. DSE
				L	T	P			
THEORY SUBJECTS									
32		BEC207	Economics of Organization	4	0	0	4	Core	CC
33		BEC206	International Economics I	4	0	0	4	Core	CC
34		BEC023	Economic Research Methods with R	4	0	0	4	Core	CC
35		BBP151	Total Personality Development	3	0	0	3	Elective	SEC
36		BEC024/ BEC025/ BEC011/ BEC021/ BEC012	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	Elective	DSE
Practical/Viva-Voce/Jury									
37		BEC304	Summer Internship Project Paper	0	0	8	4	Core	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: 2019-2022
TERM: VI

S. No.		Subject Code	Subjects	Teaching Load			Credits	Core/Elective Pre-Requisite/ Co Requisite	Type of Course[7]: 17. CC 18. AECC 19. SEC 20. DSE
				L	T	P			
THEORY SUBJECTS									
38		BEC214	Indian Economy	4	0	0	4	Core	CC
39		BBA051	Structure of Global Economy	4	0	0	4	Core	CC
40		BEC026	Economic Modelling	4	0	0	4	Core	CC
41		BEC027/ BEC028/ BEC022/ BEC303/ BEC029	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	Elective	DSE
42									
43									
Practical/Viva-Voce/Jury									
44		BEC351	Research Essay/ Report	0	0	8	4	Core	P
45									
TOTAL CREDITS							**28**		

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

C. Course Templates

Course 101.1

Mathematics for Business and Economics I

School: School of Business Studies		**Batch : 2019 – 2022**
Program: BA (Hons) Applied Economics		**Current Academic Year: 2019- 20**
Branch: -		**Semester: I**
1	Course Code	BEC 119
2	Course Title	Mathematics for Business and Economics I
3	Credits	04
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	- 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

		economic analysis like total vs. marginal concepts, slopes of demand and supply curves, etc. **C0 3**. Apply single variable optimization tools to economic problems like like profit maximization using mathematical and geometric representations **CO 4**. Assess the concepts of economics in relation to limits, continuity and series like present discounted value, net present value, etc. **CO 5**. Illustrate elementary concepts of integrals in the form of areas under the curve and with respect to the total vs. marginal concept	
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	Theory	

	examination				
	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

SCHOOL: SCHOOL OF BUSINESS STUDIES		TEACHING DEPARTMENT: ECONOMICS & IB	**Batch: 2019-2022**	**Current Academic Year: 2019– 2020**
Semester		**I**		
1	Course number	BEC 120		
2	Course Title	INTRODUCTORY MICROECONOMICS I		
3	Credits	04		
4	Course Status	Compulsory (Core Course)		
5	Course Objective	The objectives of this course are: • To make students understand the basic idea behind Market in Economics • To make students investigate how choices are being made in economic decisions. • To make students examine the significance of preferences and demand. • To make students illustrate various factors responsible for demand and changes in demand • To enhance students abilities to evaluate views and opinions related to economics. • To provide students with a clear understanding of economic issues and events.		
6	Course Outcomes	On completion of this course the learners will be able to : **CO 1**. Examine the concepts of economics from the viewpoint of choice making. **CO2.**Illustrate society's trade-offs by using a production possibilities frontier (or curve) **CO3**:Understand the theory of consumer behavior **CO4:**Describe the behavioral economics approach to understanding decision making **CO5**. Assess the importance changes in individual and market demand with the concept of elasticity		

6.01	Text book*	Microeconomics :Theory and Applications,Dominick Salvatore, Oxford University Press
6.02	other references	Principles of Managerial Economics (available for free download at

		http://www.saylor.org/site/textbooks/Principles%20of%20Managerial%20Economics.pdf) Microeconomics ,H.L.Ahuja **Economics:** by Paul Samuelson &William Nordhaus , McGraw Hill

7			**Outline syllabus**	
7.01	BEC120. A	**Unit A**	**Wants and Scarcity**	
7.02	BEC120.A1	Topic 1	Scarcity: The Pervasive Economic Problem	CO1
7.03	BEC120.A2	Topic 2	Factors of Production , Production Possibility Curves, Applications of Production Possibilities Model	CO2
7.04	BEC120.A3	Topic 3	Microeconomic Theory and the Price System	CO1
7.05	BEC120 B	**Unit B**	**Basic Demand and Supply Analysis**	
7.06	BEC120.B1	Topic 1	Market Analysis	
7.07	BEC120.B2	Topic 2	Market Demand. Determinants of Demand Demand Schedule, Demand Curve, Changes in Demand. Market Supply. Supply schedule, Supply curve, changes in supply. Market Equilibrium	CO2
7.08	BEC120.B3	Topic 3	Government Intervention in Market Prices: Price Floors and Price Ceilings, Application of demand and supply model	CO2
7.09	BEC120C	**Unit C**	**Theory of Consumer Behaviour and Demand**	
7.10	BEC120.C1	Topic 1	Utility Analysis. Cardinal, ordinal utility	CO3
7.11	BEC120C2	Topic 2	Consumer's Tastes: Indifference curves. Characteristics, The marginal rate of substitution	CO3
7.12	BEC120.C3	Topic 3	The Consumer's Income and Price constraints: The Budget line	CO3
7.13	BEC120 D	**Unit D**	**Consumer Behaviour and Individual Demand**	
7.14	BEC120 D1	Topic 1	Changes in Income and the Engel curve	CO4
7.15	BEC120.D2	Topic 2	Changes in Price and the Individual Demand curve	CO4
7.16	BEC120.D3	Topic 3	Substitution effect and Income Effect	CO5
7.17	BEC120E	**Unit E**	**Market Demand and Elasticities**	
7.18	BEC120. E1	Topic 1	Price Elasticity of Demand	CO4
7.18	BEC120.E2	Topic 2	Cross Elasticity of Demand	CO5, CO4
7.19	BEC120.E3	Topic 3	Income Elasticity of Demand	CO5

8	Course Evaluation	
8.01	Continuous Assessment	30 marks
	Assignment	05 marks
	02 Quizes	05 marks
	Group Project and Presentation	10 marks
	Class participation	10 marks
8.02	MTE	20 marks
8.03	End-term examination: weight 50 %	
9	References	
9.1	Text book*	Microeconomics :Theory and Applications,Dominick Salvatore, Oxford University Press
9.2	other references	Principles of Managerial Economics (available for free download at http://www.saylor.org/site/textbooks/Principles%20of%20Managerial%20Economics.pdf) Microeconomics ,H.L.Ahuja ; Principles of Economics (available for free download at- https://www.saylor.org/site/textbooks/Principles%20of%20Economics.pdf)

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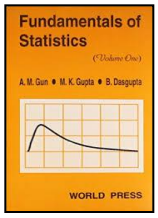
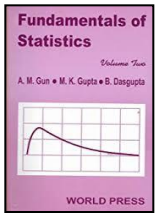
POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	-	2	1	-	1	2	1	1
CO2	1	1	-	2	1	-	-	1	2
CO3	-	1	2	1	1	3	1	-	-
CO4	1	1	2	2	1	1	1	-	-
CO5	1	-	1	-	-	1	-	-	-

Course 101.3
Statistics for Business and Economics I

School:		**School of Business Studies**
Batch :		(2019 – 2022)
Program:		**BA (Hons) Applied Economics**
Current Academic Year:		**2019- 20**
Branch: - 2019-20		**Semester: I**
1	Course Code	____BEC 121_____
2	Course Title	Statistics for Business and Economics I
3	Credits	04
4	Contact Hours	4-0-0
	Course Status	Compulsory (Core Course)
5	Course Description	This course provides the foundation of statistical concepts and its application in basic economic activities such as; collection of data, central tendency, dispersion, correlation, regression, trend analysis and indexing methods, so that the students can employ the concepts taught in the class in their real life. Efforts have been made to distinguish this course from a course in traditional statistics course and pay more emphasis on examples and exercises related to application. Moreover, weightage has been given to conceptual understanding and activity based learning, rather than delving into the technicalities of statistical concepts. This course will be followed by Statistics for Business and Economics II in the second semester.
6	Course Objective	- To make students understand the basic idea behind application of Statistics in Business and Economics - To make students investigate how data are being used to present, communicate and draw relevant information. - To make students examine the significance of fundamental concepts of statistics in applied economics. - To make students illustrate various statistical techniques used in measurement, accuracy and precision of information related to business and economics - To make students assess the basic data and obtain desired results by using statistical techniques.
7	Course Outcomes	On completion of this course the learners will be able to **CO 1**. Examine the concepts of data collection, interpretation, tabulation

		and graphical demonstration. **CO 2.** Describe various approaches to central tendency, and, deviations from central tendency. **C0 3**. Ascertain the importance of understanding of dispersion in statistical interpretation and idea of correlation. **CO 4**. Assess the importance correlated behavior of data and characteristics of regression. **CO 5**. Assess the information from data through regression and use of indexing in economics**.**	
8	Outline syllabus		
	Unit A	**Collection and Presentation of data**	
	A 1	Concept of Statistical Population and Sample. Qualitative, Quantitative, Attributes and Variables	**CO1**
	A 2	Scales of Measurement – Nominal, Ordinal, Interval, and Ratio. Primary and Secondary Data	**CO1**
	A 3	Diagrammatic presentation of data- bar and pie charts. Graphic presentation of frequency distribution-Histograms Problems on data presentation in excel exercises.	**CO1**
	Unit B	**Measures of Central Tendency and Dispersion**	
	B 1	Measures of Central tendency- Arithmetic and Geometric Mean, Median,Ogive Curve, Mode, Problems on Mean, Median, Ogive, and Mode	**CO2**
	B 2	Measures of Dispersion: range, quartile deviation, mean deviation, standard deviation, coefficient of variation, Problems on Range, Quartile, Standard Deviation and variation	**CO2**
	B 3	Moments, absolute moments, factorial moments, skewness and kurtosis,	**CO2**
	Unit C	**Bivariate Data and Correlation Analysis**	
	C 1	Correlation Coefficient, Partial and Multiple Correlation; coefficient of determination and correlation;	**CO3**
	C 2	Measurement of correlation-Karl Pearson's methods; Problems based on Karl-Pearson's correlation method	**CO3**

	C 3	Spearman's rank correlation; significance of the correlation coefficient. Problems based on Spearman's correlation method			**CO3**
	Unit D	**Regression:Measure of Association and Trend Analysis**			
	D 1	Formation of Regression equation; the scatter; Simple linear regression			**CO4**
	D 2	Determining linear regression equation on the basis of sample data. Interpretation of Regression Results. Real world application of Regression.			**CO4**
	D 3	Trend Analysis and Moving Averages, Trends of Inflation and Interest rates			**CO4**
	Unit E	**Index Numbers**			
	E 1	Index numbers – meaning and uses. Aggregative and Relative Methods. Simple Aggregative and Weighted Aggregative,			**CO5**
	E 2	Selection of Base Period, Selection of Weight, Laspeyre's Method, Paasches Method, Fisher's Ideal Index.			**CO5**
	E 3	Consumer Price Index, Wholesale Price Index, Index of Industrial Production			**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*	  Goon A.M., Gupta M.K. and Dasgupta B. (2002): Fundamentals of Statistics, Vol. I & II, 8th Edition. The World Press, Kolkata.			
	Other References	1. Miller, Irwin and Miller, Marylees (2006): John E. Freund's Mathematical Statisticswith Applications, (7th Edn.), Pearson Education, Asia. 2. Gupta S.P., Statistical Techniques, Sultan Chand & Sons 3. Grobner D.F. & Shannon P.W., Essential of Business Statistics: A Decision Making Approach,			

		MacMillan College Publishing Co. 4. Fleming M.C. & Joseph G.N. 1996, Statistics for management, 2nd Ed. Prentice Hall of India	

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

Course 101.4 Functional English 1
Functional English I

School: SBS		Batch : 2019-22 Current Academic Year: 2019-20 Semester: 1st (One)
1	Course Code	FEN101
2	Course Title	Functional English-1
3	Credits	2
4	Contact Hours (L-T-P)	1-0-2
5	Course Objective	To minimize the linguistic barriers that emerge in varied socio-linguistic environments through the use of English. Help students to understand different accents and standardise their existing English. Guide the students to hone the basic communication skills - listening, speaking, reading and writing while also uplifting their perception of themselves, giving them self-confidence and building positive attitude.
6	Course Outcomes	CO1 Learn to use correct sentence structure and punctuation as well as different parts of speech. CO2 Learning new words its application and usage in different contexts helpful in building meaning conversations and written drafts. Develop over all comprehension ability, interpret it and describe it in writing. Very useful in real life situations and scenarios. CO2 A recognition of one's self and abilities through language learning and personality development training leading up to greater employability chances. Learn to express oneself through writing while also developing positive perception of self. To be able to speak confidently in English CO3 To empower them to capitalise on strengths, overcome weaknesses, exploit opportunities, and counter threats. To ingrain the spirit of Positive attitude in students through a full length feature film followed by a storyboarding activity. Create a Self Brand, identity and self esteem through various interesting and engaging classroom activity CO4 Exposing students to simulataions and situations wherein students learn to describe people and situations and handle such situations effectively and with ease. Teaching students how to engage in meaningful dialogues and active conversational abilities to navigate through challenging situations in life and make effective conversations. CO5 Learn how to transform adverse beginnings into positive endings – through writing activities like story completion.
7	Course Description	The course is designed to equip students, who are at a very basic level of language comprehension, to communicate and work with ease in varied workplace environment. The course begins with basic grammar structure and pronunciation patterns, leading up to apprehension of oneself through written and verbal expression as a first step towards greater

		employability.	
8	Outline syllabus – ARP 201		
	Unit A	Sentence Structure	CO Mapping
	Topic 1	Subject Verb Agreement	CO1
	Topic 2	Parts of speech	
	Topic 3	Writing well-formed sentences	
	Unit B	Vocabulary Building & Punctuation	
	Topic 1	Homonyms/ homophones, Synonyms/Antonyms	CO1
	Topic 2	Punctuation/ Spellings (Prefixes-suffixes/Unjumbled Words)	CO1, CO1
	Topic 3	Conjunctions/Compound Sentences	CO1, CO2
	Unit C	Writing Skills	
	Topic 1	Picture Description – Student Group Activity	CO3
	Topic 2	Positive Thinking - Dead Poets Society-Full-length feature film - Paragraph Writing inculcating the positive attitude of a learner through the movie | SWOT Analysis – Know yourself	CO3, CO2, CO3
	Topic 3	Story Completion Exercise –Building positive attitude - The Man from Earth (Watching a Full length Feature Film)	CO2, CO3, CO4
	Unit D	Speaking Skill	
	Topic 1	Self-introduction/Greeting/Meeting people – Self branding	CO4, CO5
	Topic 2	Describing people and situations - To Sir With Love (Watching a Full length Feature Film)	CO3, CO5
	Topic 3	Dialogues/conversations (Situation based Role Plays)	CO2, CO4, CO5
9	Evaluations	*Class Assignments/Free Speech Exercises / JAM Group Presentations/Problem Solving Scenarios/GD/Simulations (60% CA and 40% ETE*	*N/A*
10	Texts & References | Library Links	• Blum, M. Rosen. *How to Build Better Vocabulary*. London: Bloomsbury Publication • Comfort, Jeremy(et.al). *Speaking Effectively*. Cambridge University Press	

Observations:

1. A Single Consolidated Syllabus has now replaced the Previous Functional English Beginners -1 and Functional English Intermediate -1
2. Credits previously allocated to FEN 01 Lab Sessions have been dissolved
3. The Pearson Voice Labs have been completely eliminated

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	-	1	-	-	-	1	-	-	-
CO 2	1	3	-	1	1	1	-	-	-
CO 3	2	2	-	2	2	1	-	-	-
CO 4	1	2	-	2	2	1	-	-	-
CO 5	2	1	-	1	1	1	-	-	-

Course 101.6
Principles of Management

School: SBS		**Batch : 2019-22**
Program: BA Applied Economics		**Current Academic Year: 2019-20**
Branch:		**Semester:1**
1	Course Code	BBA 143
2	Course Title	Principles of Management
3	Credits	4
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. CO5: Analyze effective application of PPM knowledge to diagnose and solve organizational problems and develop optimal managerial decisions.
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			CO5
	B	Types of control - Feedback, Feed forward, Concurrent			CO5
	C	Challenges before future Managers			CO4, CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA		ETE	
		30%		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	PSO 2	PSO 3	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	-	-	-	-
CO5	2	1	1	1	1	-	-	-	-

Course 201.1
Mathematics for Business and Economics II

School: SBS		**Batch : 2019-22**	
Program: BA Economics		**Current Academic Year: 2019-20**	
Branch:		**Semester: 02**	
1	Course Code	BEC122	
2	Course Title	Mathematics for Business and Economics 2	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Type	Compulsory	
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. CO4: Select mathematical models and specialized techniques for problem solving and decision making. CO5: Synthesize acquired knowledge and skills with practical problems in economic practice.	
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	CO2, CO3
	B	Sufficient Conditions Economic Interpretation of the Lagrangean Multiplier	CO2, CO3
	C	More general Lagrangean Problems	CO3
	Unit 4	**Matrix Algebra – Addition, Subtraction, Multiplication and Inverse**	
	A	Vectors, Matrices and Geometric Interpretations Matrix Operations	CO3, CO4
	B	Matrix Multiplication and Determinants Inverse of a Matrix	CO4
	C	Cramer's Rule	CO3, CO4
	Unit 5	**Further Topics in Matrix Algebra**	
	A	Linear Independence and Rank of a Matrix	CO3, CO4
	B	Main Results on Linear Systems of Equations	CO5
	C	Eigenvalues Diagonalization	CO4, CO5
	Mode of examination	Theory	
	Weightage Distribution	CA: 30% / MTE: 20% / ETE: 50%	
	Text book/s*	1. "Mathematics for Economic Analysis", Sydsaeter Knut, Hammond Peter J., Prentice Hall	
	Other References		

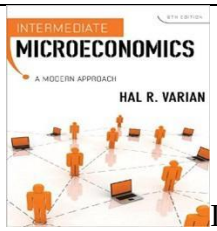
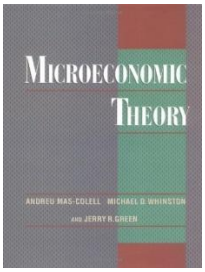
POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	3	-	2	-	2	1

CO2	2	2	2	3	1	2	-	1	3
CO3	1	1	-	1	2	2	2	1	-
CO4	2	2	-	1	2	1	2	1	-
CO5	1	2	-	1	2	1	2	1	-

Course 201.2
Introductory microeconomics II

School:		**School of Business Studies**
Batch :		(2019 – 2022)
Program:		**BA (Hons) Applied Economics**
Current Academic Year:		**2019-20**
Branch: - 2018-19		**Semester: II**
1	Course Code	_____BEC123_____
2	Course Title	Introductory Microeconomics II
3	Credits	04
4	Contact Hours	4-0-0
	Course Status	Compulsory (Core Course)
5	Course Description	This course provides the foundation of microeconomics and its application in basic economic activities such as; understanding market, decision making for production, profit maximization, supply, and , concept of market, so that the students can employ the concepts taught in the class in their real life. Efforts have been made to distinguish this course from a course in traditional economics and pay more emphasis on examples and exercises related to application. Moreover, weightage has been given to conceptual understanding and activity based learning, rather than delving into the technicalities of economic theory. This course will be followed by another compulsory course –Public Economics in the Third Semester.
6	Course Objective	• To make students understand the basic idea behind Production in Economics • To make students investigate how choices are being made in production decisions. • To make students examine the significance of Market and its types. • To make students illustrate various factors responsible for market condition and pricing in the market • To make students assess the importance of various kinds of markets and competition/ cooperation in the market by producers
7	Course Outcomes	On completion of this course the learners will be able to **CO 1**. Examine the concepts of economics from the viewpoint of decision making of producers **CO2.** Understand that economics is about the allocation of scarce resources, that scarcity forces choice, tradeoffs exist and that every choice has an opportunity cost

		CO 3. Describe various approaches to production and market classification **C0 4**. Analyze production in different cost and product scenarios **CO 5**. Apply the knowledge of market conditions on analysis of market features	
8	Outline syllabus		**Course Outcomes**
	Unit A	**Production Technology and Profit Maximization**	
	A 1	Inputs and Outputs, Fixed Proportions, Cobb-Douglas	**CO1 CO2**
	A 2	The Marginal Product, The Technical Rate of Substitution, Diminishing Technical Rate of Substitution, Long Run and Short Run, Return to Scale	**CO1 CO2 CO3**
	A 3	Profits, Boundaries of the Firm, Short-Run/Long Run Profit Maximization, Revealed Profitability, Cost Minimization	**CO1 CO2 CO3**
	Unit B	**Cost Minimization and Cost Curves**	
	B 1	Return to Scale and Cost Function. Long/Short Run Cost, Quasi-Fixed and Fixed Costs, Sunk Costs, Average and Marginal Cost	**CO2 CO3**
	B 2	Break-Even Level of Outputs, Economies of Scale, Economies of Scope and Dis-Economies of Scale	**CO1 CO2 CO3**
	B 3	Marginal Cost curves for two plants, Discrete Levels of Plant Size, Long Run Marginal Cost, Shut-Down Rules	**CO2 CO3**
	Unit C	**Firm Supply and Industry Supply**	
	C 1	Market Environments, Pure Competition, Perfect Competition, Supply Decisions of a competitive firm	**CO3 CO2**
	C 2	Inverse Supply Function, Profits and Producer's Surplus, Long-Run Supply Curve of a Firm, Short-Run Industry Supply,	**CO3 CO2**
	C 3	Industry Equilibrium in short-run.	**CO3 CO4**
	Unit D	**Monopoly and Monopoly Behavior**	
	D 1	Maximizing Profits, Linear Demand Curve, Mark up Pricing, Inefficiency and Deadweight Loss, Natural Monopoly	**CO4 CO3**
	D 2	Price Discrimination, First Degree Price Discrimination, Second Degree Price Discrimination, Third Degree Price Discrimination	**CO4 CO3**
	D 3	Monopolistic Competition, A Location Model of Price Discrimination	**CO3 CO2**
	Unit E	**Factor Markets and Oligopoly**	

	E 1	Monopoly in Output Market, Monopsony, Quantity Leadership, Price Leadership, Comparing Price Leadership and Quantity Leadership			**CO4 CO5**
	E 2	Simultaneous Quantity Setting, Cournot Equilibrium and Adjustments in Equilibrium, Simultaneous Price Setting			**CO3 CO5**
	E 3	Collusion, Punishment Strategies, Comparison of solutions			**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*	 Intermediate Microeconomics: A Modern Approach- H L Varian, 7th Edition and above. Cambridge Intermediate Microeconomics with Microsoft Excel- HUMBERTO BARRETO, DePauw University, Cambridge University Press (2009)			
	Other References	Schaum's Outline of Microeconomics, Fourth Edition (Schaum's Outlines)  Microeconomic theory Andreu Mas-Colell, Michael D. Whinston, Jerry R. Green			

CO/PO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	2	3	2	2	1	3	3	2	2
CO 2	2	3	3	2	1	3	3	3	2
CO 3	2	2	3	2	1	3	3	2	2
CO 4	2	2	2	2	2	3	3	2	2
CO5	2	3	3	2	1	3	3	3	2

Course 201.3
Statistics for Business and Economics II

<table>
<tr><td colspan="2">School:
School Of Business Studies</td><td>Teaching Department:
Economics & International Business</td><td>Academic Session :
2019-2020</td><td>For Students Batch :
2019-2022</td></tr>
<tr><td colspan="2">Semester</td><td colspan="3">II</td></tr>
<tr><td>1</td><td>Course code</td><td colspan="3">BEC124</td></tr>
<tr><td>2</td><td>Course Title</td><td colspan="3">Statistics for Business and Economics II</td></tr>
<tr><td>3</td><td>Credits</td><td colspan="3">4</td></tr>
<tr><td>4</td><td>Learning Hours
L-T-P</td><td colspan="3">3-2-0
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<tr><th>Learning</th><th>Hours</th></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></td></tr>
<tr><td>5</td><td>Course Objective</td><td colspan="3">The course aims:
• To provide an overview and understanding of the basic premises of Probability
• To understand application of Random Variables
• To introduce students to hypothesis testing and its application
• To assist students to integrate the concept of point estimation</td></tr>
<tr><td>6</td><td>Course Outcomes</td><td colspan="3">On successful completion of this module:
CO1. The student will be able to describe the basic premise of statistical analysis as properties of variables;
CO2. the students will be able to understand both the fundamental techniques and wide array of applications involving distribution of variables;
CO3. Discuss critically the uses and limitations of statistical analysis
CO4. The students will be able to use the assumptions that underpin the hypothesis testing in a classical model;</td></tr>
</table>

		CO5. The students will be able to analyse a number of common distributions in statistics.

7	Outline syllabus				
7.01	1	Unit 1	**Probability**	**CO Mapping**	
7.02	1a	Unit 1 Topic a	Introduction, concept of population, Sampling, Probability sampling and non Probability Sampling.	**CO1**	
7.03	1b	Unit 1 Topic b	Basic Probability, Conditional Probability	**CO1, CO2**	
7.04	1c	Unit 1 Topic c	Applications of Probability	**CO1**	
7.05	2	Unit 2	**The Random Variable**		
7.06	2a	Unit 2 Topic a	Introduction The Concept of a random variable	CO2	
7.07	2b	Unit 2 Topic b	Types of Random Variable	CO2	
7.08	2c	Unit 2 Topic c	Binomial Random Variable Binomial Random Distribution	CO2	
7.09	3	Unit 3	**Poisson and Normal Distribution of Random Variable**		
7.10	3a	Unit 3 Topic a	The Cumulative Density Function of a Discrete Random Variable.	CO2	
7.11	3b	Unit 3 Topic b	The Poisson Distribution The probability mass function of random variable follows Poisson Distribution	CO2	
7.12	3c	Unit 3 Topic c	The Continuous Random Variable. The Exponential Distribution. The Normal Distribution	CO2	
7.13	4	Unit 4	**Elements of Hypothesis Testing I (Z Distribution)**		
7.14	4a	Unit 4 Topic a	Z Distribution	CO3, CO4	
7.15	4b	Unit 4 Topic b	One Tailed Versus Two Tailed Tests Confidence Intervals For Mean	CO3	
7.16	4c	Unit 4 Topic c	Central Limit Theorem Law Of Large Numbers	CO3	
7.17	5	Unit 5	**Elements of Hypothesis Testing II (F distribution, Students' t distribution)**		
7.18	5a	Unit 5 Topic a	Chi Square Distribution	**CO4, CO5**	
7.19	5b	Unit 5Topic b	F Distribution	**CO4, CO5**	
7.20	5c	Unit 5 Topic c	Student's t Distribution Confidence Interval Using Student's t Distribution	**CO5**	

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*	1. HatekarNeeraj R., Principles of Econometrics (An Introduction Using R) Sage Publication 2010 2. SP Gupta & MP Gupta Business Statistics
9.03	Other references	1. SC Gupta Statistical Methods

Mapping of Course Outcomes vs. Programme Outcomes

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
CO 5	3	2	-	1	1	3	3	2	2

201.4
Functional English 2

Schools:SBS		**Batch :** 2019-22 **Current Academic Year:** 2019-20 **Semester:** 2nd (Second)	
1	Course Code	**FEN102**	
2	Course Title	Functional English -2	
3	Credits	2	
4	Contact Hours(L-T-P)	1-0-2	
5	Course Objective	To Develop LSRW skills through audio-visual language acquirement, creative writing, advanced speech et al and MTI Reduction with the aid of certain tools like texts, movies, long and short essays.	
6	Course Outcomes	**CO1** Move from primary self-assessment to larger goal and vision statement realisation with the help of feature length films as enablers and multimedia as language facilitators. **CO2** To develop a positive attitude through written expression of positive thought process and outlook with the help of writing activities like story completion et al. **CO3** Learn advanced writing skills in English like full length essays et al. **CO4** Master the science of speech and correct pronunciation through the accent-neutralisation program followed by reading sessions applying the lessons learnt. **CO5** Learn how to transform adverse beginnings into positive endings – through writing activities like story completion.	
7	Course Description	The course takes the learnings from the previous semester to an advanced level of language learning and self-comprehension through the introduction of audio-visual aids as language enablers. It also leads learners to an advanced level of writing, reading, listening and speaking abilities, while also reducing the usage of L1 to minimal in order to increase the employability chances.	
8	Outline syllabus – ARP 202		
	Unit A	**Acquiring Vision, Goals and Strategies through Audio-visual Language Texts**	**CO Mapping**
	Topic 1	Pursuit of Happiness / Goal Setting & Value Proposition in life	CO1
	Topic2	12 Angry Men / Ethics & Principles	

	Topic3	The King's Speech / Mission statement in life | strategies & Action Plans in Life	
	Unit B	**Creative Writing**	
	Topic 1	Story Reconstruction - Positive Thinking	CO2
	Topic2	Theme based Story Writing - Positive attitude	
	Topic3	Learning Diary Learning Log – Self-introspection	
	Unit C	**Writing Skills 1**	
	Topic 1	Precis	CO3
	Topic2	Paraphrasing	
	Topic3	Essays (Simple essays)	
	Unit D	**MTI Reduction/Neutral Accent through Classroom Sessions & Practice**	
	Topic 1	Vowel, Consonant, sound correction, speech sounds, Monothongs, Dipthongs and Tripthongs	CO4
	Topic2	Vowel Sound drills , Consonant Sound drills, Affricates and Fricative Sounds	
	Topic3	Speech Sounds | Speech Music| Tone | Volume| Diction |Syntax |Intonation | Syllable Stress |	
	Unit E	**Gauging MTI Reduction Effectiveness through Free Speech**	
	Topic 1	Jam sessions	*CO5*
	Topic2	Extempore	
	Topic3	Situation-based Role Play	
9	Evaluations	*Class Assignments/Free Speech Exercises / JAM Group Presentations/Problem Solving Scenarios/GD/Simulations (60% CA and 40% ETE*	*N/A*
10	Texts & References | Library Links	• Wren, P.C.&Martin H. *High English Grammar and Composition*, S.Chand& Company Ltd, New Delhi. • Blum, M. Rosen. *How to Build Better Vocabulary*. London: Bloomsbury Publication • Comfort, Jeremy(et.al). *Speaking Effectively*. Cambridge University Press. The Luncheon by W.Somerset Maugham - http://mistera.co.nf/files/sm_luncheon.pdf	

Observations:

1. A Single Consolidated Syllabus has now replaced the Previous Functional English Beginners -2 and Functional English Intermediate -2

2. Credits previously allocated to FEN 02 the Lab Sessions have been dissolved

3. The Pearson Voice Labs have been completely eliminated

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	-	1	-	-	-	1	-	-	-
CO 2	1	3	-	1	1	1	-	-	-
CO 3	2	2	-	2	2	1	-	-	-
CO 4	1	2	-	2	2	1	-	-	-
CO 5	1	3	-	1	1	1	-	-	-

Course 201.6
Human Resource Management

School: SBS		**Batch: 2019-2022**
Program: BA (Hons)		**Current Academic Year: 2019-20**
Branch:		**Semester:II**
1	Course Code	BEC110
2	Course Title	Human Resource Management
3	Credits	4
4	Contact Hours (L-T-P)	4-0-0
	Course Status	Regular
5	Course Objective	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	The student will be able to: CO1: Identify current issues and challenges, emerging trends, key concepts and terminologies of human resource management. 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. CO3: Apply the various functions and techniques of human resource management. 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. CO5: To integrate the knowledge of HR concepts to take correct business decisions.
7	Course Description	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 thecorporate strategies, to understand HR as a strategic resource, to learn the concept and functions of human resource management.Further, this coursehighlights importantHR challenges and Issues that are faced by managers and employees in today's business 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			CO3, CO5
	B	Rating & Ranking Method, Forced Distribution, 360 Degree Appraisal, Errors in Performance appraisal			CO4, CO5
	C	Basic concept of Compensation, Direct & Indirect Compensation Components			CO2, CO5
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	• Human Resource Management, K Aswathappa, McGraw Hill, New Delhi			
	Other	• Human Resource Management: Text and Cases,			

	References	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**	**…**
CO5	1	1	**…**	2	1	**2**	**1**	**2**	**…**

Course 201.7
Field Work Paper

School: SBS		**Batch : 2019 -2022**	
Program:		**B.A. (Hons.) Applied Economics** **Current Academic Year: 2019-2020**	
Branch:		**Semester: II**	
1	Course Code	BEP101	
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	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	CO1: Describe the terminologies essential for explanation of real life economic phenomenon. CO2: Understand constraints and scope of Economic theories and concepts in explaining activities around us. CO3: Apply the tools of economics for explanation of policies and market mechanism CO4: Analysis of specific product or cases in details. CO5: Evaluate market/policy decisions in local and global scenarios.	
7	Course Description	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.	
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, CO5**
	E 1	Logical explanations of patterns	CO4
	E 2	Impact of study on other sectors	CO3
	E 3	Abstract of the term paper	CO4,CO5
	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				
CO5	2	3	2	1	1				

Course 301.1
Public Economics

School: School of Business Studies	**Batch : 2019 – 2022** **Current Academic Year: 2020-2021** **Semester III**
Course Code	BEC213
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. CO5: Analyse policy challenges facing governments around the world and learn to find solutions to these challenges, taking into account obstacles to implementation;
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**	.CO4 CO5
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
CO 5	3	2	-	1	1	3	3	2	2

Course 301.2

Introductory Macroeconomics I

School: School of Business Studies		**Batch :** (2019 – 2022)
Program: BA (Hons) Applied Economics		**Current Academic Year: 2020-21**
Branch: -		**Semester: III**
1	Course Code	BEC 215
2	Course Title	Introductory Macroeconomics I
3	Credits	04
4	Contact Hours	4-0-0
	Course Status	Compulsory
5	Course Description	It will build a critical step towards economic analysis and will focus on the application Macroeconomics to economic theory.
6	Course Objective	- 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 Macroeconomic Variables and National Income **CO 2.** Employ various single variable as Money Supply, Interest Rate, Unemployment, Inflation and its influence on macroeconomy **C0 3**. Apply the concept of macroeconomics in understanding economic

		growth **CO 4**. Assess the concepts of economics in relation to Aggregate Demand and Supply. **CO 5**. Illustrate concepts of Open Economy, Stabilization Policies and Government Debts.	
8	Outline syllabus		
	Unit A	**Introduction to Macroeconomics and National Income**	
	A 1	Macroeconomics – Definition, Distinction and Linkages	**CO1**
	A 2	Theory as Model Building, The Data of Macroeconomics: Rules for Computing GDP	**CO1**
	A 3	What determines total production of goods and services. Real and Nominal GDP, GNP, Marginal Product of Labour and Capital. Euler's Theorem. Types of Markets and Agents	**CO1**
	Unit B	**Money and Inflation, Open Economy and Employment**	
	B 1	Money- Function, Types and Money Supply. Relationship between Inflation, Money Supply, Interest Rates and GDP Growth. Hyperinflation and Cases related with Hyper Inflation.	**CO2**
	B 2	Open Economy – International Flow of Goods and Capital. Saving and Investment in Small Open Economy. Exchange Rate	**CO2**
	B 3	Unemployment- Definition, Types, Patterns of unemployment	**CO2**
	Unit C	**Growth Theory: Economy in Long Run**	
	C 1	Economic Growth –I, The Accumulation of Capital, The Golden Rule level of Capital, Population Growth	**CO3**
	C 2	Economic Growth II, Technological Growth Solow Model in Brief and Endogenous Growth Theory in Brief	**CO3**
	C 3	Economic Fluctuations, Aggregate Demand, Aggregate Supply	**CO3**
	Unit D	**Aggregate Demand I Aggregate Demand II and Aggregate Supply**	
	D 1	Goods Market and IS Curve, Money Market and LM Curve	**CO4**
	D 2	Fluctuations in IS LM Curves, Great Depression	**CO4**
	D 3	Models of Aggregate Supply, Inflation, Unemployment	**CO4**

		and Phillips Curve			
	Unit E	**Aggregate Demand in Open Economy, Stabilization Policy and Government Debt**			
	E 1	The Mundell-Fleming Model, Interest Rate Differential, Exchange Rate Fluctuation			**CO5**
	E 2	Rule or Discretion, Active or Passive Economic Policy, Economic Forecasting.			**CO5**
	E 3	The Size of Government Debt, Measurement Problem, Perspectives on Government Debt			**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 301.3
Basic Econometrics

School: **School Of Business Studies**		Teaching Department: **Economics & International Business Branch**	Academic Session : 2020-2021	For Students Batch : **2019-2022**
Semester		**III**		
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: ● 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: CO1. The student will be able to define key concepts of econometrics CO2. The student will be able to understand the basic premise of sampling, probability and econometric analysis as properties of variables; CO3. The student will be able to apply both the fundamental techniques and wide array of applications involving distribution of variables; 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**	**CO Mapping**
7.02	1a	Unit 1 Topic a	Basic of permutation & combination, Set theory, probability	CO1
7.03	1b	Unit 1 Topic b	Random variable, Binomial distribution, normal distribution	CO2
7.04	1c	Unit 1 Topic c	Poisson distribution, Z distribution, Student t distribution	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	CO5
7.07	5b	Unit 2 Topic b	Estimating Parameters Desirable Properties for Estimator to have; Unbiasedness, Efficiency, Linearity	CO5
7.08	5c	Unit 2 Topic c	The Ordinary Least Squares (OLS) Estimators; Gauss Markov Theorem and BLUE properties	CO5
7.09	3	Unit 3	**Multiple Regression Model**	
7.10	3a	Unit 3 Topic a	Dummy variables	CO2, CO3
7.11	3b	Unit 3 Topic b	Logit and Probit models	CO2, CO3
7.12	3c	Unit 3 Topic c	Linear Parameter restrictions	CO2, CO3
7.13	4	Unit 4	**An ordered and unordered multinomial dependent variable**	
7.14	4a	Unit 4 Topic a	Representation and interpretation	CO4, CO5
7.15	4b	Unit 4 Topic b	Estimation	CO4
7.16	4c	Unit 4 Topic c	Diagnostics, model selection and forecasting; Modeling the choice between four brands and risk profile of individuals	CO4
7.17	5	Unit 5	**Non classical disturbances**	
7.18	5a	Unit 5 Topic a	Multicollinearity	CO4, CO5
7.19	5b	Unit 5 Topic b	Heteroscdasticity	CO4, CO5
7.20	5c	Unit 5 Topic c	Autocorrelation	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*	1. HatekarNeeraj R., Principles of Econometrics (An Introduction Using R) Sage Publication 2010
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

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 : 2019-2022**	
Program: BA (Hons.) Applied Economics		**Current Academic Year:** 2020-2021	
Branch:		**Semester: III**	
1	Course Code	EVS105	
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 demonstrate an integrative approach to environmental issues with a focus on sustainability. CO4: The student will be able to relate to the various acts for environmental protection and to green solutions CO5: 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,	CO1, CO2,CO3

		Multidisciplinary nature of environment			
	B	Ecosystems ad 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			CO2 ,CO3 ,C05
	B	Environmental Standards, Green Technologies and green solutions			CO3 CO4 ,CO5
	C	Green architecture and green design			CO4,CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	Principles of Environmental Studies: MonoharacharyC 2006			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	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: 2019-2022**	
Program: BA (Eco)		**Current Academic Year:** 2020-2021	
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 identifymarketing 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	**Introduction to Marketing management**	
	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	**Managing Product and pricing decision**	
	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	**STP**			
	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	• 'Marketing Management – A South Asian Perspective' by Philip Kotler, Kevin Lane Keller, Abraham Koshy and MithileshwarJha (Pearson)			
	Other References	• 'Marketing Management – Global Perspective, Indian Context' byV. S. Ramaswamy and S. Namakumari (Om Books) • 'Marketing Management' by RajanSaxena (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

School: SBS		**Batch : 2019 -2022**	
Program:		**B.A. (Hons.) Applied Economics** **Current Academic Year: 2020-2021**	
Branch:		**Semester: III**	
1	Course Code	BEP251	
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	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	CO1: Describe the terminologies essential for explanation of real life economic phenomenon. CO2: Understand constraints and scope of Economic theories and concepts in explaining activities around us. CO3: Apply the tools of economics for explanation of policies and market mechanism CO4: Analysis of specific product or cases in details. CO5: Evaluate market/policy decisions in local and global scenarios.	
7	Course Description	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.	
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		CO1

		Indicators of economic activities/area/economic sector under consideration.			
	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, CO5**
	E 1	Logical explanations of patterns			CO4
	E 2	Impact of study on other sectors			CO3
	E 3	Abstract of the term paper			CO4,CO5
	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				
CO5	2	3	2	1	1				

Course 401.1
Money and Financial Markets

School: **School Of Business Studies**		Teaching Department: **Economics & International Business**	Academic Session : **2020-21**	For Students Batch : **2019-22**
Branch:		**Semester: IV**		
1	Course number	**BEC 211**		
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: • 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: CO1. Explain the role of money in an economy and rationale behind various kinds of measures of Supply of Money CO2 Assess the contribution of Central Bank in monetary management of economy and direction of monetary policy in an economy CO3. Able to demonstrate the fundamental understanding of capital market/ Stock market, trading of securities, exchanges and about the IPO process.		

		CO4. Able to recognise and make adjustments for financial system on the basis of financial regulation and identify the roles of various regulatory authorities. CO5. To conduct a theoretical analysis of real-world issues and phenomena.

8	Outline syllabus	CO Mapping
Unit 1	**MONEY: Concept, Functions, Measurement, Theories of Money Supply Determination**	
Unit 1 Topic a	Introduction & Concept of Money. Functions of Money, and Measurement of Money Supply	CO1
Unit 1Topic b	Cambridge Quantity Theory of Money. Keynesian Concept of Demand for Money, Liquidity Preference Theory	CO1
Unit 1 Topic c	Milton Friedman's Theory of Money Demand, Supply Determination	CO1
Unit 2	**Interest Rates, Central Banking and Monetary Policy**	
Unit 2 Topic a	Interest Rate Determination, Sources of Interest Rates Differentials, Theories of Term-Structure of Interest Rates in India	CO2
Unit 2 Topic b	Functions of Central and Commercial Banks. Balance Sheet Goals and Targets	CO2
Unit 2 Topic c	Indicators and instruments of monetary control, monetary management in an open economy, current monetary policy of India	CO2
Unit 3	**Introduction to Financial System**	
Unit 3 Topic a	Introduction to Financial System: Meaning, Structure, Role & Importance	.CO3
Unit 3 Topic b	Components of Financial System: Introduction toFinancial Markets and Financial Institutions	CO3
Unit 3 Topi	Components of Financial System: Financial Services and Financial Instruments	CO3

c c				
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	CO3
7.15	4b	Unit 4 Topic b	Primary market: Meaning, objectives, functions,Instruments IPO: Intermediaries to an issue and their roles, Book building process	CO2
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.	CO4
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.	CO4
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	CO5
7.20	5c	Unit 5 Topic 3	Regulatory framework SEBI: Organization, objective, role and functions RBI: Organization, objective, role and functions	CO5

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 thEdition ,2009

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

Course 401.2
Development Economics

School: School of Business Studies		**Batch: 2019-22**	
Program: BA (Eco)		**Current Academic Year: 2020-21**	
Branch:		**Semester:IV**	
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	The objectives of this course are as follows: • 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	CO1 The student will be able to describe the inherent substantive issues relating to economic transformation in the context of history of Indian Economy; CO2 The student will be able to analyze the basic requirements and capabilities in Growth and Development. 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. CO4 The student will be able to develop necessary modification in the existing models of economic growth based on recent trends in the economy. 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	
8	Outline syllabus		CO Mapping
	Unit A	**Introducing Development: A Global Perspective**	
	A 1	How the Other Half Live Economics and Development Studies	CO1

		The Nature of Development Economics 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 Human Capital & Growth Another look at conditional convergence			CO4
	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 entryinto 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	• 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	• 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

<table>
<tr><td colspan="2">School:
School Of Business Studies</td><td>Teaching Department:
Economics & International Business</td><td>Academic Session :
2020-21</td><td>For Students Batch :
2019-22</td></tr>
<tr><td colspan="2">Branch:</td><td colspan="3">Semester: IV</td></tr>
<tr><td>1</td><td>Course number</td><td colspan="3">BEC 216</td></tr>
<tr><td>2</td><td>Course Title</td><td colspan="3">Intermediate Econometrics</td></tr>
<tr><td>3</td><td>Credits</td><td colspan="3">4</td></tr>
<tr><td>4</td><td>Learning Hours
L-T-P</td><td colspan="3">3-2-0
<table>
<tr><th>Learning</th><th>Hours</th></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></td></tr>
<tr><td>5</td><td>Course Objective</td><td colspan="3">The course aims:
● To provide an overview and understanding of the basic premises of application of probability distributions and panel data
● To introduce students to hypothesis testing and its application in panel data
● To assist students to integrate the concept of SURE and SEM
● To develop an understanding about Econometrics and use of Estimators through Econometrics.</td></tr>
<tr><td>6</td><td>Course Outcomes</td><td colspan="3">On successful completion of this module:
CO1. The student will be able to understand key concepts of econometrics, time series
CO2. The student will be able to apply the basic premise of panel data and SURE to economic problems
CO3. The student will be able to analyse both the fundamental techniques and wide array of applications involving panel data;
CO4. The student will be able to analyse the assumptions that underpin the hypothesis testing in OLS, GLS and 2SLS;
CO5. The student will be able to evaluate and make adjustments for a number of</td></tr>
</table>

		common regression problems in panel data.

7	Outline syllabus			L-T-P	Pedagogy	Outcome
7.01	1	Unit 1	**Censoring and Truncation**			
7.02	1a	Unit 1 Topic a	Censoring and Truncation: An introduction	3-0-0	Lecture	CO1
7.03	1b	Unit 1 Topic b	Censoring, censoring from above and censoring from below	3-0-0	Lecture	CO2
7.04	1c	Unit 1 Topic c	Truncation, Truncation & OLS	3-0-0	Lecture + Activity	CO1, CO2
7.05	2	Unit 1	**Sample Selection**			
7.06	2a	Unit 1 Topic a	Sample Selection bias	3-0-0	Lecture	CO1
7.07	2b	Unit 1 Topic b	Tobit model	3-0-0	Lecture	CO2
7.08	2c	Unit 1 Topic c	Heckman Sample Selection model	3-0-0	Lecture + Activity	CO1, CO2
7.09	3	Unit 3	**Panel data**			
7.10	3a	Unit 3 Topic a	An introduction to panel data, definitions, examples	3-0-0	Lecture	CO5
7.11	3b	Unit 3 Topic b	Fixed effects model & Random effect model	3-0-0	Lecture	CO5
7.12	3c	Unit 3 Topic c	Hausman test	2-1-0	Lecture + Classwork	CO5
7.13	4	Unit 4	**Seemingly Unrelated Regression Estimation (SURE)**			
7.14	4a	Unit 4 Topic a	SURE: An introduction	3-0-0	Lecture	CO2, CO3
7.15	4b	Unit 4 Topic b	OLS & GLS methods	2-1-0	Lecture	CO2, CO3
7.16	4c	Unit 4 Topic c	Parameter restrictions	2-1-0	Lecture	CO2, CO3
7.17	5	Unit 5	**Simultaneous Equation Models**			
7.18	5a	Unit 5 Topic a	Approaches to estimation	3-1-0	Lecture+ workshop	CO4
7.19	5b	Unit 5 Topic b	Recursive model and OLS	3-1-0	Lecture+ Workshop	CO5

7.20	5c	Unit 5 Topic c	ILS & 2SLS model	2-1-0	Lecture+ Workshop	CO5

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*	**4.** D. Gujarati and D. Porter, Basic Econometrics, 5th edition, McGraw-Hill, 2009. 5. HatekarNeeraj R., Principles of Econometrics (An Introduction Using R) Sage Publication 2010
9.03	Other references	**6.** J.M. Wooldridge, Introductory Econometrics, 6th edition, 2016, South-Western **7.** D. Gujarati and D. Porter, Basic Econometrics, 5th edition, McGraw-Hill, 2009. 8. SP Gupta, MP Gupta Business Statistics

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

Course 401.4
IT Skills and data analysis

School: SBS		**Batch :** 2019-22	
Program: BA (Hons.) Applied Economics		**Current Academic Year:** 2020-2021	
Branch:		**Semester:IV**	
1	Course Code	BEC 217	
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: CO1: to knowdata characteristics and ways to obtain data. CO2: to understand the role of excel in data representation and analysis CO3:to provide the meaningful results from the data. CO4: Demonstrate strategies for merging and integrating source data from multiple applications. CO5: 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,CO3
	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-sqare, intercepts, p-value, confidence interval	CO5
	C	t-distribution, chi-sqare distribution in excel and their interpretation	CO5

	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
CO5	2	2	1	3	1	1	1	1	1

Course 401.6

Accounting for Business Decisions

School: School of Business Studies		**Batch : 2019-2022**
Program: B.A. (H) App. Eco.		**Current Academic Year: 2020-2021**
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	This subject aims to- 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	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. 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. 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. 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.

		CO5: Interpret the business implications of financial statement information.	
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**		**CO Mapping**
	Unit 1	**An Overview of Basics of Accounting**	
	A	Introduction to Accounting –Meaning, Need, Uses, Limitations, Users of Financial Accounting Information	CO1, CO2
	B	Accounting Concepts and Principles –GAAP and Accounting Standard, An Introduction of IFRS	CO2,CO4
	C	Accounting Cycle – Accounting Process, Basic Accounting terms e.g. Capital, Liabilities, Assets, Drawing, Cost, Purchase, Sales, Debtors, Creditors, Goodwill, etc.	CO2,CO3
	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	CO2,CO3
	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,	CO3,CO4
	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,	CO3,C04
	Unit 3	**Analysis & Interpretation of Financial Statements for Economic Decisions -I**	
	A	Ratio Analysis – Profitability ratios and ratios relating to Shareholders	CO3,CO4
	B	Ratio Analysis – Activity Ratios	CO3,CO4
	C	Ratio Analysis – Financial Ratios : Liquidity & Solvency ratios	CO3,CO4
	Unit 4	**Analysis & Interpretation of Financial Statements for Economic Decisions -II**	
	A	Comparative Financial Statements and Interpretation of Financial Statements	CO1,CO3
	B	Common Size Statement analysis –Introduction, Analysis and Interpretation	CO2,C03
	C	Trend Analysis - Introduction, Analysis and Interpretation	CO3,C04
	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.	CO4,CO5
	B	Financial Ratios used in Annual Reports, Management's use of	CO3,C05

		financial analysis			
	C	Additional Disclosure Statements – Auditor's Report, Director's Report, Report on Corporate Governance & Corporate Social Responsibility etc.			CO4,CO5
	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- RajniSofat&PreetiHiro, 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, PragatiPrakashan, Meerut			

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

Course 401.7

Field Work Paper

School: SBS		**Batch : 2019 -2022**	
Program:		**B.A. (Hons.) Applied Economics** **Current Academic Year: 2020-2021**	
Branch:		**Semester: IV**	
1	Course Code	BEP101	
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	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	CO1: Describe the terminologies essential for explanation of real life economic phenomenon. CO2: Understand constraints and scope of Economic theories and concepts in explaining activities around us. CO3: Apply the tools of economics for explanation of policies and market mechanism CO4: Analysis of specific product or cases in details. CO5: Evaluate market/policy decisions in local and global scenarios.	
7	Course Description	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.	
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, CO5**
	E 1	Logical explanations of patterns	CO4
	E 2	Impact of study on other sectors	CO3
	E 3	Abstract of the term paper	CO4,CO5
	Mode of Examination	Term Paper Submission.	
	Weightage Distribution	Internal Assessment: 60% / External Assessment: 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				
CO5	2	3	2	1	1				

Course 501.1

Economics of Organization

School: SBS		**Batch :** 2019-2022
Program: BA (Hons.) Applied Economics		**Current Academic Year:** 2021-22
Branch:		**Semester: V**
1	Course Code	BEC207
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: CO 1: to know the importance of organizations in economic analysis CO 2: to understand the role of coordination in driving an organization; CO3: Describe the role of various organizations functioning at different levels. CO 4: 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. CO 5: to analyse the advancement in theories of employment and their application.
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 Mappin

					g
	Unit 1	**Does Organization Matter?**			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**			CO1, CO2,CO3
	A	2.1 Economic Organizations: APerspective, 2.2 Efficiency, 2.3 The Tasks of Coordination and Motivation			CO2
	B	2.4 Transaction Cost Analysis, 2.5Wealth Effects, Value Maximization and Coase Theorem, 2.6 OrganizationalObjectives			CO1, CO3
	C	2.7 Modelling Human Motivation andBehaviour, 2.8 Case Study: Coordination, Motivation andEfficiency In The Market ForMedical interns			CO3
	Unit 3	**Coordinating Plans And Actions**			CO3, CO4
	A	3.1 The Variety Of CoordinationProblems And Solutions			CO3
	B	3.2 Economizing On Information AndCommunication			CO3
	C	3.3 Coordination And BusinessStrategy			CO4
	Unit 4	**Employment Policy And Human Resource Management**			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 AndSeparation (Case Study - Human Resource Policy in Japan)			
	Unit 5	**Internal Labour Markets, JobAssignments And Promotions (Chapter11) Compensation And Motivation**			CO4, CO5
	A	5.1 Internal Labour Markets,5.2Rationale For Internal LabourMarkets			CO5
	B	5.3 Influence Costs, Incentives and Job Assignment, 6.1 Forms and Functions of Compensation			CO5
	C	6.2 Incentives For IndividualPerformance, 6.3 PerformanceEvaluation, 6.4 Job Design, 6.5 IncentivePayment 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
CO5	2	2	1	3	1	1	1	1	1

Course 501.2

International Economics I

School: School of Business Studies		**Batch: 2019-22**	
Program: BA (Eco)		**Current Academic Year: 2021-22**	
Branch:		**Semester: V**	
1	Course Code	BEC206	
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: • 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	MTE	ETE	
		30%	20%	50%	
	Text book/s	Salvatore, D. (2016). International economics. – 12th ed. Wiley. ISBN: 978-1-118-95576-5			
	Other References	• 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

School: School of Business Studies		**Batch: 2019-22**	
Program: BA (Eco)		**Current Academic Year: 2021-22**	
Branch:		**Semester: V**	
1	Course Code	BEC 023	
2	Course Title	Economic Research Methods using R	
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 economic research where they will also learn the various applications of economics concepts using R.	
6	Course Objectives	4. To impart to the students an in-depth understanding of the building blocks of research 5. To make the students develop a research mindset for effective policy analysis 6. To help the students understand the challenges in undertaking research	
7	Course Outcomes	CO1: The students will be able to define and identifydifferent researchmethods. CO2: The students will be able to explain various data sets CO3: The students will be able to interpret the various data sets to answer economic research questions which they think of CO4: The students will be able to apply the research techniques learnt to real world issues CO5: The students will be able to evaluate different policies.	
8	Outline syllabus		CO Mapping
	Unit A	**Introduction to Research Methods**	
	A 1	Research strategy and process	**CO1**
	A 2	Hypothesis and scale of measurement	CO3
	A 3	Building a hypothesis	CO1, CO3
	Unit B	**Literature and Systematic Review**	
	B 1	Learning the essence of a literature review	**CO3**
	B 2	Understanding a systematic review	CO3, CO4
	B 3	Identifying data sources for literature/systematic review	CO3
	Unit C	**Data and Methodology**	
	C 1	Data sources: agriculture & industry	CO2
	C 2	Sampling design and its importance for field research	CO3
	C 3	What is a robust sample? Discussion and Debate	CO3
	Unit D	**Quantitative Research methods**	

	D 1	in-depth interview, focus groups discussions,			CO3
	D 2	content analysis, case study research			CO4; CO3
	D 3	ethnographic research, , transient walk and others			CO4; CO3
	Unit E	Quantitative Research methods			CO4; CO3
	E 1	IV methods			
	E 2	Randomised Control Trials (RCT)			CO5
	E 3	Monitoring and Evaluation			CO5
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s	• Mostly harmless econometrics: Joshua Angrist			
	Other References	• Qualitative research and evaluation methods: Michael Quinn Patton			

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

Course 501.4

Total Personality Development

Total Personality Development

School: SBS		**Batch: 2019-22**	
Program: BA (Hons. Applied Economics)		**Current Academic Year: 2021-22**	
Branch:		**Semester: V**	
1	Course Code	BBP 151	
2	Course Title	Total Personality Development	
3	Credits	4	
4	Contact Hours (L-T-P)	4-0-0	
	Course Status	Compulsory /Elective/Open Elective	
5	Course Objective	1.To help students build assertive, pleasant personalities 2.To develop professional attitude 3.To develop placement skills 4. To develop effective communication, interpersonal & soft skills	
6	Course Outcomes	The students will be able to: CO1: Identify their strength & weaknesses CO2: Develop their presentation & speaking skills CO3: Apply thinking & problem-solving skills CO4: Students will possess knowledge about leadership. CO5: Students will be able to acquire the skills to manage stress and conflict.	
7	Course Description	This course aims to help students develop pleasant, assertive and compatible personalities. Students develop ability to deliberate on issues, make sound decisions and hone ability to express their views with clarity and confidence. The objective is to promote holistic development and to equip students with tools to achieve success in all endeavors in their personal as well as professional lives.	
8	Outline Syllabus		CO Mapping
	Unit 1	**Understanding Personality**	
	A	SWOT Analysis	CO1,
	B	Personality Test – DISC	CO1,
	C	Picture Interpretation	CO1,CO3
	Unit 2	**Presentation Skills**	
	A	Audience Analysis & Developing the content	CO2

	B	Basics of Presentation Skills: Font, Colour theme, Background, content arrangement, Inserting animations &Videoclips			CO2
	C	Delivery: Individual, Group Presentation			CO2
	Unit 3	**Effective Communication & Soft- skills**			
	A	JOHARI Window: Interpersonal			CO3
	B	Personal Grooming, Dressing sense, Public Speaking			CO3
	C	Corporate Etiquettes			CO3
	Unit 4	**Problem Solving & Decision Making**			
	A	Thinking Hats-6 styles			CO4
	B	Conducting Meetings, Brainstorming sessions			CO4
	C	Role- Play			CO4
	Unit 5	**Professional Skills**			
	A	Basics of Resume Writing,			CO3, CO5
	B	Handling Group discussions & Interviews			CO5
	C	Time management: Importance, multitasking & Procrastination,			CO5
	Mode of examination	Practical			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*				
	Other References	1. Business Communication Concepts, Cases and Applications, P D Chaturvedi and MukeshChaturvedi 2. Seven Habits of Highly Effective People, Steven R Covey 3. Personality Development, Elizabeth B. Hurlock			

PO COs	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	PSO1	PSO2	PSO3	PSO4
CO1	**1**	**1**	**2**	**2**	**2**	1	1	1	2
CO2	**1**	**…..**	**1**	**…..**	**2**	1	1	1	2
CO3	**1**	**2**	**2**	**1**	**2**	1	1	1	2
CO4	**1**	**…..**	**1**	**…..**	**2**	1	1	1	2
CO5	**1**	**2**	**2**	**1**	**2**	1	1	1	2

DSE

Introduction to Energy Economics

School: SBS		**Batch :** 2019-2022	
Program: BA (Hons.) Applied Economics		**Current Academic Year: 2021-22**	
Branch:		**Semester: V**	
1	Course Code	BEC 024	
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: To analyze the importance and influence of environment on the economy including the quality of manpower. CO5: 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**	CO1, CO2,

		Energy Balance			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			CO3
	B	Cost of Bio Fuels and other renewable energy sources			CO5
	C	Government Policies on Energy Management			CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	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
CO5	3	1	1	3	1	3	1	3	-

DSE

Applied Econometrics

<table>
<tr><td colspan="2">School:
School Of Business Studies</td><td>Teaching Department:
Economics & International Business</td><td>Academic Session :
2021-22</td><td>For Students Batch :
2019-2022</td></tr>
<tr><td colspan="2">Branch</td><td colspan="3">Semester: V</td></tr>
<tr><td>1</td><td>Course number</td><td colspan="3">BEC025</td></tr>
<tr><td>2</td><td>Course Title</td><td colspan="3">Applied Econometrics</td></tr>
<tr><td>3</td><td>Credits</td><td colspan="3">4</td></tr>
<tr><td>4</td><td>Learning Hours
L-T-P</td><td colspan="3">3-2-0
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<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></td></tr>
<tr><td>5</td><td>Course Objective</td><td colspan="3">The course aims:
● 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.</td></tr>
<tr><td>6</td><td>Course Outcomes</td><td colspan="3">On successful completion of this module:
CO1. The student will be able to understand key concepts of econometrics, time series
CO2. The student will be able to apply the basic premise of time series to economic problems
CO3. The student will be able to analyse both the fundamental techniques and wide array of applications involving time series data;
CO4. The student will be able to analyse the assumptions that underpin the hypothesis testing in ARMA and ARIMA models;
CO5. The student will be able to evaluate and make adjustments for a number of</td></tr>
</table>

		problems in time series data.

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	**Modellingvolatality**			
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 (2nd Edition): Walter Enders: John Wiley and Sons
9.03	Other references	J.M. Wooldridge, Introductory Econometrics, 6th edition, 2016, South-Western D. Gujarati and D. Porter, Basic Econometrics, 5th edition, McGraw-Hill, 2009. SP Gupta, MP Gupta Business Statistics HatekarNeeraj 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

DSE

Microeconomic Analysis

School: School of Business Studies		**Batch** (2019 – 2022)
Program: BA (Hons) Applied Economics		**Current Academic Year: 2021-22**
Branch		**Semester: V**
1	Course Code	BEC 011
2	Course Title	Microeconomic Analysis
3	Credits	03
4	Contact Hours	4-0-0
	Course Status	Discipline Specific Elective
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	To make students understand various aspects of a general equilibrium model and to familiarize them with the applications of general equilibrium To make students examine the different nuances of social choice theory and to initiate them into the logical constructs of Arrow's Impossibility Theorem 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 To make students assess different types of public goods and to introduce

		them to the basics of mechanism design To initiate the students toinquire 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	
7	Course Outcomes	On completion of this course the learners will be able to **CO 1**. Illustrate basic quantitative tools of optimization in a general equilibrium framework **CO 2.** Assess the solution of advanced microeconomic problems and pareto optimality **C0 3**. Describe atypical problems in conventional neoclassical theory and provide reasonable explanations to their causes and effects **CO 4**. Examine real life situations like free riding, tragedy of the commons, etc. and logically scrutinize their significance in economics **CO 5**. Determinesolutions to basic problems of general equilibrium theory like public goods, pollution, smokers vs. non smokers, etc.	
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 of every unit	20%	50%	
	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

DSE

Economics of Health and Education

SCHOOL: SCHOOL OF BUSINESS STUDIES	TEACHING DEPARTMENT: ECONOMICS & IB	ACADEMIC SESSION : 2021-22	FOR STUDENTS BATCH – 2019-22

Semester:		**V**
1	Course number	BEC021
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: CO1: Understand the relationship between health outcomes and variables that measure macro-economic performance. CO 2: Analyze the demand and supply in health care markets. CO 3: Examine the theory of market failures and policy interventions, mostly from an efficiency standpoint. CO 4: Develop an understanding of the link between the educational system and economic development. CO 5: Analyze the fundamental issues that have to be addressed in choosing an appropriate strategy for educational investment.

6			**Outline syllabus**	**CO Mapping**
	Paper Code	**UNIT A**	**Health Outcomes & Economic Linkages**	
6.01		Topic 1	Health Status & Trends	CO1
6.02		Topic 2	The Determinants of Health	CO 1
6.03		Topic 3	Health in Developing Countries: Success & Challenges	CO 1
		UNIT B	**Microeconomic foundations of health economics**	
6.04	BEC	Topic 1	The demand for health care services, Insurance	CO 2

6.05	BEC	Topic 2	Market Failure & Public intervention	CO 2
6.06	BEC	Topic 3	Role of the government & the market in health	CO 2
		UNIT C	***Health Policies & Projects***	
6.07	BEC	Topic 1	Health Projects & the burden of disease; Cost-Benefit Analysis; CEA & CUA of health projects.	CO 3
6.08	BEC	Topic 2	Health policy- Reforms & Challenges, International assistance for health.	CO 3
6.09	BEC	Topic 3	Integrated Health Systems	CO 3
		UNIT D	**Education for Development**	
6.10	BEC	Topic 1	Education & Economic Growth	CO 4
6.11	BEC	Topic 2	Rate of return to investment in Education, Cost Benefit Analysis	CO 4
6.12	BEC	Topic 3	The Costs of Education	CO 4
		UNIT E	**Education: Investment in Human Capital**	
6.13	BEC	Topic 1	Human Capital Investments: The Basic Model , Demand for a College Education Education,	CO 5
6.14	BEC	Topic 2	Earnings, and Post-Schooling Investments in Human Capital	CO 5
6.15	BEC	Topic 3	Is Education a Good Investment?	CO 5

7.01	Text book*	Reading 1, 2, 3, 4, and 5.
7.02	Readings	**1.** William, Jack. Principles of Health Economics for Developing Countries, World Bank Institute Development Studies, 1999.*Available at:* http://documents.worldbank.org/curated/en/569351468765045048/pdf/multi-page.pdf **2.** World Development Report, Investing in Health, The World Bank, 199. *Available at:* https://openknowledge.worldbank.org/bitstream/handle/10986/5976/9780195208900_fm.pdf

		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. *Available at:* http://documents.worldbank.org/curated/en/786801468740375617/pdf/multi-page.pdf **4.** Psacharopoulos, G., &Woodhall, M. (1993). *Education for development*.oxford university press.*Available at:* http://documents.worldbank.org/curated/en/477701468137718173/pdf/multi-page.pdf **5.** Ehrenberg, R. G., & Smith, R. S. (2016). *Modern labor 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

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

DSE

Global Economic Issues

School:		**School of Business Studies**
Department:		**Economics and International Business**
Batch :		(2019 – 2022)
Program:		**B.A. (Hons.) Applied Economics**
Current Academic Year:2021- 22		
Branch: - 2018-19		**Semester: V**
1	Course Code	_____BEC 012_____
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	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). 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. "Global Issues in Economics" is an advance course and does require students to have previous knowledge in the field of International Economics.

6	Course Outcome	On completion of this course the learners will be able to CO1: To be able to understand the main issues of the world economic environment both individually and through debate in multiple working groups CO2: To be able to apply the concepts and basic methodology of economics in order to understand and analyse problems of the world economic environment CO3: To learn how to use the most suitable tools for the economic analysis to evaluate the existing interdependence relationships in the studied economic areas CO4: 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. CO5: 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	
7	Course Objectives	Knowledge acquisition regarding the basic world economic data and the main sources. 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. 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. 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. Development of the basic knowledge necessary to cope with the subjects on this degree course related to international and global issues.	
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	**CO1**
	A 2	2. Neoclassical analysis of international trade	**CO1**

		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.			**CO1**
	Unit B	**Tradepolicies**			
	B 1	Tariffs and non-tariff barriers			**CO2**
	B 2	Free trade and protectionism: theory and institutions			**CO2**
	B 3	The World Trade Organization (WTO) Multilateral Trade Negotiations (Kennedy, Tokyo, Uruguay, Doha Rounds) The GATT, GATS y TRIPS agreements			**CO2**
	Unit C	**International mobility of economic factors**			
	C 1	An economic analysis of the international mobility of labour			**CO3**
	C 2	An economic analysis of multinational corporations			**CO3**
	C 3	OLI (Ownership, Location, Internalization) paradigm			**CO3**
	Unit D	**Balance of payments and exchange rates**			
	D 1	The Balance of Payment			**CO4**
	D 2	The Exchange Rate System			**CO4**
	D 3	Purchasing Power Parity and the Law of One Price			**CO4**
	Unit E	**International monetary relations**			
	E 1	The fixed exchange rate and the Gold Standard			**CO5**
	E 2	From the Bretton Woods system to the era of flotation			**CO5**
	E 3	Analysis of the price specie-flow adjustment mechanism			**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*	SAMUELSON, P. A. and W. D. NORDHAUS (2010): Economics, 19ª ed., McGraw Hill, International Edition. KRUGMAN, P. R. and M. OBSTFELD (2006): International economics.			

		Theory and policy, 7ª ed., Pearson (topic 6).	
	Other References	Joshi, R. M. (2009). International business. OUP Catalogue. Updated Edition 2016	

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	1	-	2	2
CO 3	1	2	2	2	1	3	3	-	2
CO 4	3	2	1	1	2	1	-	2	2
CO5	2	3	1	2	1	2	-	2	2

Summer Internship Project Paper

Every student has to do minimum six weeks' mandatory summer internship in any industry/ company and foreign tour students are required to do at least four weeks' internship.

All students going for foreign tour have to submit a write up of their one month's foreign experience and learning. This would include the detail regarding the university they visited, diversity, culture, food, shopping malls, markets, industries/companies etc. of the country. Same foreign trip students also need to submit four weeks' summer internship project report other than the write up mentioned before.

All students (including students going to foreign tour) have to submit the details of their summer internship industry/company and their expected roles before going to Summer Internship to their respective faculty supervisor.

Please consider the following points for the preparation of project report:

1. Topic for Project Report
   - The selected topic should be problem oriented as well as product, market and industry specific.
   - It must have the potential to make a significant research work of products or services in relation to the identified problem.
   - It should pertain to original and individual work performance. Exactly same work should not be assigned to more than one student.
   - In case, the project size is large and needs to be allocated amongst team members, the project title and scope shall clearly address the role for a module or unit assigned to individual.

2. Two (02) neatly typed and bound copies (maroon color) of the report must be prepared by each student, one with original certificates from institute & organization (certificate of successful completion from faculty supervisor and the organization must be enclosed in the project report). In absence of completion certificates, the project submission would be deemed as non-submission. For such cases student would be fully responsible.

3. Use the photocopy of certificates in the copy of report.

4. The student need to bring Report with original certificate at the time of Viva and the true copy report are to be submitted to the college.

5. The Report will consist of the following:
   a. Cover page on specified format
   b. Certificate from College, signed by the Faculty Supervisor (Collect it from your supervisor)
   c. Certificate from Summer Training Organization
   d. Preface

e. Acknowledgement

f. Table of Contents

g. Part I (suggested headings)

- About the summer training organization and the industry
- Brief history of the organization
- Organizational structure
- Performance
- Products/services
- Competitors
- SWOT analysis
- Problems encountered

h. Part II (suggested headings)

- Research problem
- Research Objectives
- Research methodology
- Data tabulation, interpretation, analysis, findings
- Recommendations and conclusion.
- Annexure:
  - Bibliography of References
  - Questionnaire

6. The average size of Report must be 60 - 80 A-4 pages, typed in Times New Roman font size 12, with double spacing. Chapter Headings and Major Headings must be in Font Size 16 and Sub Headings in Size 14.

7. The entire report should be double spaced with 1-inch margin on top, right and bottom sides and 1.5-inch margin on left side.

8. The page numbering for the pages up to and including Table of Contents should be in Roman small numbers (i.e. i, ii, iii and so on). Thereafter, starting from Part 1, pages should be numbered as 1, 2, 3 and so on.

9. In Bibliography of References, detailed reference is required for each data source, whether it is a book, journal, magazine, newspaper, government publication or a website. The format of providing reference:

Book

Baron Robert A., *Psychology*, Pearson Education, Fifth Edition, 2008

Journal

Kahneman D and Tversky Amos., *Prospect Theory: An Analysis of Decision under Risk*, Econometrica, Volume 47, No. 2, 1979, Page 263 – 291

Magazine
Money Today, October 30, 2008, *A Road Map to Retirement*, Pg 49
Newspaper
Business Standard, 16 March 2009, *Regulation of Banks*, Pg 12
Website
RBI Bulletin, March 2009, http://rbidocs.rbi.org.in/rdocs/Bulletin/PDFs/BUL0309.pdf

* Following are the tentative formats in Annexures to be used in the report.

Annexure 1 Cover Page
Annexure 2 Executive Summary
Annexure 3 Acknowledgement
Annexure 4 Table of Content

Course 601.1
Indian Economy

School: School of Business Studies		**Batch:** 2019-22	
Teaching Department: Economics and IB		**Current Academic Year:** 2021-22	
Program: BA (Economics)			
Branch:		**Semester: VI**	
1	Course Code	BEC 214	
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: To Understand the causes and impact of population growth. CO4: The student will be able to analyse nature of linkages of Indian economy with rest of the world through trade and investment channels. CO5: 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			**CO4**
	D 2	FDI inflow: Industry and regional variation of FDI			CO4
	D 3	Multinational corporations and the Impact of FDI on Indian economy			CO4
	Unit E	**India in the global economy**			
	E 1	GDP, Per capita income, standard of living			**CO5**
	E 2	Share in world trade and FDI			CO5
	E 3	India's role in global economy and structure			CO5
	Mode of examination	Theory, concepts and data interpretation			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s	• Indian Economy- Performance and Policies by Uma Kapila , Academic Foundation			
	Other References	• 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

Course 601.2

Structure of Global Economy

School: SCHOOL OF BUSINESS STUDIES		**Batch : 2019-22**	
Program: BBA IV		**Current Academic Year: 2021-22**	
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	The course aims to: Make students describe various effecting various global demographic variables and trends. Make students explain the need for global Industries to Shift their Strategic Priorities. Make students Illustrate the global agriculture productivity and its transition. . Make students explain the causes and consequences of income inequality. Make students explain the environment challenges at global level.	
6	Course Outcomes	On successful completion of this module students will be able to: CO1. Describe various effecting various global demographic variables and trends. CO 2. Explain the need for global Industries to Shift their Strategic Priorities. CO 3. Illustrate the global agriculture productivity and its transition. . CO 4. Explain the causes and consequences of income inequality. CO 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_Industrials_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/synthesis/synthesis/chapter7.xhtml Additional Reading Navigating the Global Economy: Available at https://www.efic.gov.au/media/3524/wine-australia.pdf	

POs COs	PO 1	PO 2	PO 3	PO 4	PO 5	PS O1	PS O2	PS O3	PS O4
CO201.1	-	-	2	-	-	-	-	-	-
CO201.2	-	-	-	-	1	-	-	-	-
CO201.3	-	2	-	-	-	-	-	-	-
CO201.4	3	-	-	-	-	-	-	-	-
CO201.5	-	3	-	1	-	-	-	-	-

Course 601.3

Economic Modelling

School:		**School of Business Studies**	
Batch :		(2019 – 2022)	
Program:		**BA (Hons) Applied Economics**	
Current Academic Year:		**2021-22**	
Branch: - 2019-20		**Semester: VI**	
1	Course Code	____BEC ____026_____	
2	Course Title	Economic Modelling	
3	Credits	04	
4	Contact Hours	4-0-0	
	Course Status	Compulsory (Core Course)	
5	Course Description	This course provides the foundation of equipping the learner in equip the learner with framing skills for modelling the economyand to develop learners' problem solving abilities in the context of both macroeconomics and microeconomics. Efforts have been made to distinguish this course from a course in traditional modelling course and pay more emphasis on examples and exercises related to application. Moreover, weightage has been given to conceptual understanding and activity based learning, rather than delving into the technicalities.	
6	Course Objective	- To equip the learner with framing skills for modelling the economy; and to develop learners' problem solving abilities in the context of both macroeconomics and microeconomics. - A key emphasis is placed on understanding the relevance of different frameworks/models for different contexts.	
7	Course Outcomes	On completion of this course the learners will be able to CO1 examine framing skills for modelling the economy CO2 describe appropriate frameworks for the analysis of particular contexts CO3 develop problem-solving skills within the context of modelling the economy CO4 undertake economic analysis using relevant frameworks CO5 evaluate analytical frameworks developed.	
8	Outline syllabus		
	Unit A	AN INTRODUCTION TO MODELLING THE WHOLE ECONOMY	
	A 1	Basic classical model of national income	**CO1**

	A 2	Distribution of national income			**CO1**
	A 3	How fiscal policy influences the allocation of resources between consumption, investment and government purchases.			**CO1**
	Unit B	**Introduction to macroeconomic models**			
	B 1	Modelling Economic growth, inflation			**CO2**
	B 2	The IS-LM, AD-AS framework			**CO2**
	B 3	The Mundell Fleming model of business cycles			**CO2**
	Unit C	**Introduction to microeconomic models**			
	C 1	Robinson-Crusoe and Man Friday economy.			**CO3**
	C 2	The Edgeworth-Bowley box and the production possibility curve.			**CO3**
	C 3	Application to international trade. Application to inter-temporal choice.			**CO3**
	Unit D	GENERAL EQUILIBRIUM THEORY			
	D 1	Model set-up: the 2 x 2 x 2 model and the Walrasian general equilibrium.			**CO3, CO4**
	D 2	General equilibrium: diagrammatic treatment.			**CO3, CO4**
	D 3	Properties of equilibrium: Walras Law, and existence, uniqueness and stability of equilibrium.			**CO4**
	Unit E	MARKET FAILURE			
	E 1	Introduction, market failure and the nature of government intervention.			**CO4, CO5**
	E 2	Pure public goods, and possible solutions.			**CO5**
	E 3	Externalities, the Coase theorem and other solutions.			**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*	Gregory N Mankiw “Macroeconomics” Hal Varian “Advanced Microeconomics			

	Other References	Miller, Irwin and Miller, Marylees (2006): John E. Freund's Mathematical Statistics with Applications, (7th Edn.), Pearson Education, Asia.	

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

DSE

Economics of Internet and E-Commerce

School: SBS		**Batch :** 2019-2022
Program: BA (Hons.) Applied Economics		**Current Academic Year: 2021-22**
Branch:		**Semester: VI**
1	Course Code	BEC 027
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	The objective of the course is to 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	CO1:The student will be able to know about fundamental economic basis of internet and products/prices based on internet. CO2: The student will be able to understand economic principles used in internet based exchanges and product pricing. CO3: The students will be able to gain an understanding on how innovative use of the E-Commerce can help developing competitive advantage CO4: The student will be able to Apply the knowledge of economics in comprehending events related to internet. CO5: The student will be able toanalyse the usability of internet based products, purchases and currency by public in a given scenario
7	Course Description	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.			
8	Outline syllabus				CO Mapping
	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-ClicksE-Tailers			CO2
	B	Bricks-and-Mortar Versus Pure Play Internet e-TailersBricks-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**			CO4, CO5
	A	Introduction to the most curious technology			CO5
	B	Technological approaches to the economics of blockchain			CO5
	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_final.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
CO5	2	1	1	1	1	1	1	2	-

DSE

Financial Market Economics

School: School of Business Studies		**Batch : 2019-22**	
Program: BA Applied Economics		**Academic Year: 2021-22**	
Branch: -		**Semester: VI**	
1	Course Code	**BEC 028**	
2	Course Title	Financial Market Economics	
3	Credits	4	
4	Contact Hours (L-T-P)	2-0-1	
	Course Status	Compulsory	
5	Course Description	This course is designed to give the student a better understanding of the unique problems and opportunities presented by economics of financial market.Considerable attention will be directed to specific topics of international finance such as foreign exchange markets, managing exchange rate risk and various other risk management issues.	
6	Course Objective	The main objective of this subject is to understanding the basic knowledge of international finance, foreign exchange and their importance & implication. Further, the course aims to make students illustrate the importance of Forex Reserves and causes for Exchange rate fluctuations	
7	Course Outcomes	At the end of this course , Students will be able to : **CO1:**The students will gain in-depth knowledge of fund mobilization for its organisation through offshore funding. **CO2:** The students will understand the causes and effects of growing public expenditures for various programs and policies within the country. **CO3:** To understand the role of local finance and diverse sources of local finance. **CO4:**The students will be able to apply this knowledge to evaluate the performance of different profit centres in the organisation dealing with foreign exchange risks. **CO5:**The students will be able to develop the problem-solving and decision-making skills which will be used to interpret financial information that is required by corporate and multinational companies to promote their international business.	
8	Outline syllabus		CO Mapping
	Unit A	**International Finance and Foreign Exchange management**	
	A 1	• General Introduction, Link between the National Economy and International Activities,	CO1

	A 2	• Presentation of Balance of Payments.			CO1,CO2
	A 3	• Evolution of International Monetary System, International Monetary Fund, International Bank for Reconstruction and Development.			CO1,CO2
	Unit B	**Financing of International Projects**			
	B 1	• Different types of Project Financing,			CO1,CO2, CO3
	B 2	• Participants in International Project Financing			CO1, CO2,CO3
	B 3	• Risk associated with International Projects,			CO1,CO2
	Unit C	**International Capital Markets**			
	C 1	• Introduction to Capital Market,			CO1,CO2,
	C 2	• Development of International Capital Markets			CO1,CO2,
	C 3	• Euro-credit Market, External Bond Market, Euro-currency Loan, Euro-notes, Market of Euro-equities			CO1, CO2,
	Unit D	**Foreign Exchange Market**			
	D 1	• Introduction to FE Market, participants in the FE Market, Quoting in the FE Market,)			CO3,CO4
	D 2	• Different types of rates, Settlements in Forex Market			CO3,CO4
	D 3	• Types of LC's, Negotiation of documents under LC,			CO2, CO3
	Unit E	**Foreign Exchange Rate Risk Assessment & Internal techniques of Hedging**			
	E 1	• Introduction to FE Risk, Exchange Rate Risk of an Enterprise,			CO4,CO5
	E 2	• Evaluation of Exchange Rate Exposure			CO1,CO5
	E 3	• Internal & External Techniques of Hedging			CO1,CO4, CO5
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	International Finance And Management- P.K. Jain			
	Other References	1. International Finance And Management- P.G.Apte 2. International Finance And Management- A.V. Rajawade			

POs COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO 1	1	-	2	1	-	1	2	1	1
CO 2	1	1	-	2	1	-	-	1	2
CO 3	-	1	2	1	1	3	1	-	-
CO 4	1	-	2	1	-	1	2	1	1
CO 5	1	1	-	2	1	-	-	1	2

DSE

Macroeconomic Analysis

School:		**School of Business Studies**
Batch :		(2019 – 2022)
Program:		**BA (Hons) Applied Economics**
Current Academic Year:		**2021-22**
Branch: - 2018-19		**Semester: 6th**
1	Course Code	____BEC022_____
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	- The students will be able to understand the basic idea of inflation, unemployment and aggregate demand & aggregate supply - The students will be able toapplygame 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	On completion of this course the learners will be able to **CO 1**. The student will be able to define the concepts of inflation, unemployment, aggregate demand & aggregate supply **CO 2.** The student will be able to describe the IS-LM model

		CO 3. The student will be able to apply the concepts of IS-LM in an open economy **CO 4**. Demonstrate an understanding of monetary and fiscal policy options as they relate to economic stabilization. **CO 5**. 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	**CO3**
	D 2	The Mundell Fleming Model	**C04**
	D 3	Open economy under fixed and flexible exchange rates	**CO4**
	Unit E	**Aggregate supply**	
	E 1	Three models of aggregate supply	**CO4**
	E 2	Consumer Price Index, Wholesale Price Index, Index of Industrial Production	**CO5**
	E 3	Consumption & Investment (with links to	**CO4, CO5**

		microeconomics)	
	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	5. 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
CO 5	2	2	2	2	1	3	3	2	2

DSE

Public Policy and Governance

SCHOOL: SCHOOL OF BUSINESS STUDIES	TEACHING DEPARTMENT: ECONOMICS & IB	OPERATIONAL FROM (ACADEMIC TERM): 2021-22	FOR STUDENTS BATCH – B.A HONS APPLIED ECONOMICS (2019 – 2022)

Semester		**VI**
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	On completion of this course the learners will be able to CO1 The student will be able to understand various public policies; CO2 The student will be able to describe inputs relevant for policy making CO3 The student will be able to apply the knowledge of public policies in impacting business decisions CO4 The student will be able to analyse the contemporary public policies. CO5 The student will be able to evaluate the various public policies in different contexts

6.01	**Text book***	Kraft & Furlong, Public Policy: Politics, Analysis and Alternatives, 4 th edition (2013): Sage
6.02	**Other references**	

7			**Outline syllabus**	**CO Mapping**
7.01	BEC303. A	**Unit A**	**The Study of Public Policy**	
7.02	BEC303.A1	Topic 1	Basic Understanding of Public Policy	CO1
7.03	BEC303.A2	Topic 2	Government Institutions and Policy Actors	CO1, CO2
7.04		Topic 3	Understanding Public Policy making	CO1, CO2
7.05	BEC 303 B	**Unit B**	**Analysing Public Policy**	

7.06	BEC303.B1	Topic 1	Policy analysis	CO2, CO3
7.07	BEC 303.B2	Topic 2	Policy Problems and alternatives	CO2, CO3
7.08	BEC303.B3	Topic 3	Assessing Policy alternatives	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	CO2, CO4
7.11	BEC303.C2	Topic 2	Health Care Policy	CO4
7.12	BEC303.C3	Topic 3	Education Policy	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	CO1, CO4, CO5
7.15	BEC303.D2	Topic 2	Environment & Energy Policy	CO4, CO5
7.16	BEC303.D3	Topic 3	Natural Resource Policies	CO4, CO5
7.17	BEC303E	**Unit E**	**Foreign Policy & homeland security**	
7.18	BEC303. E1	Topic 1	Background & policy evaluation	CO2, CO4
7.18	BEC303.E2	Topic 2	Marshal Plan, NATO, cold war	CO5
7.19	BEC303.E3	Topic 3	The United Nations &globalisation	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

DSE

Economic Way of Thinking

School: SBS		**Batch :** 2019-2022	
Program: BA (Hons.) Applied Economics		**Current Academic Year:** 2021-22	
Branch:		**Semester: VI**	
1	Course Code	BEC 029	
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: CO1: know about economic principles woven around the activities of life. CO2: Understand complexities of daily life in simple economic terms CO3: Apply their understanding in explaining business and social scenario CO4: Analyse the common events with an economic perspective for better understanding of events. CO5: 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	Chapter 5 to Chapter 8			CO1, CO2
	C	Chapter 9 to Chapter 12			CO2
	Unit 2	**The Invisible Heart: An Economic Romance**			CO1, CO2,CO3
	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.			CO4
	B	Chapter 11- Do Trade Deficits hurt America, Chapter 12- Fair Trade Vs. Free Trade, Chapter 13- Is Globalization Good for Poor?			CO4
	C	Chapter 14- Self Sufficiency is Road to Poverty, Chapter 15 - Choice			
	Unit 5	**The Price of Everything**			CO3, CO5
	A	Chapter 1 (Thinking outside of the Box) to Chapter 4 (Inconceivable)			CO5
	B	Chapter 5 (Leaning to Gardener) to Chapter 8 (A Night in Cemetery)			CO4
	C	Chapter 8 (The Price of Everything) to Chapter 13 (How's it going to end?)			CO5
	Mode of examination	Theory			
	Weightage Distribution	Continuous Assessment	Mid Term Examination	End 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 References		

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
CO5	1	3	1	1	2	2	3	2	1