

SHRI GURU RAM RAI UNIVERSITY

[Estd. by Govt. of Uttarakhand, vide Shri Guru Ram Rai University Act no.
03 of 2017 & recognized by UGC u/s (2f) of UGC Act 1956]



SYLLABUS FOR

Bachelor of Arts

(Economics)

Department of Economics

School of Humanities and Social Science

(W.E.F 2021-2022)



OUTCOME BASED EDUCATION

Programme outcome (POs)

Students will be able to

BACHELOR OF ARTS

Program Outcome (PO)

PO-1	Acquire knowledge of the discipline and conduct proper academic in various areas of discipline.
PO-2	Recognize the social structures in our society.
PO-3	Communicate effectively in context which one is operating and develop soft skills
PO-4	Leader in teams in multidisciplinary courses and engage in initiatives that encourage growth for all.
PO-5	Develop awareness of issues among students
PO-6	Recognize and respect different value systems by following the norms of academic integrity.
PO-7	Explain awareness of local, regional, national and global needs.
PO-8	Work on career enhancement by adapting to professional and social needs engaged in lifelong learning.
PO-9	Exhibit capability as lifelong learners adapting new technologies, modern concepts and skills for sustainable development
PO-10	Imbibe qualities of good citizenship, morality and ethics so as to work for the betterment of mankind
PO-11	Cultivate a broad array of interdisciplinary knowledge and skills integrating concepts of humanities and social sciences.
PO-12	Able to apply critical thinking, creativity, skills, cultural sensitivity, and humanity to create awareness within society for problem –solving and interpretation..



Program Specific Outcome (PSOs)

PSO 1	Acquire academic skills with an aptitude for higher studies/research/entrepreneurship in any branch of the programme.
PSO2	Understand the functioning of economic survey and union budget; Money, banking and public finance through micro & macroeconomics.
PSO3	Develop Professional Skills in Computer, Entrepreneurship, Small Business, environmental, Demographic and Data Analysis.
PSO4	Acquire the basic concept of micro and macroeconomics; Economic development, monetary analysis; financial marketing; Indian Economy and foreign exchange rate in Indian financial markets.

Eligibility for admission:

Any candidate who has passed the Plus Two of the Higher Secondary Board of Examinations in any state recognized as equivalent to the Plus Two of the Higher Secondary Board in with not less than 40% marks in aggregate is eligible for admission, However, SC/ST, OBC and other eligible communities shall be given relaxation as per University rules.

Duration of the Programme: 3 Year



STUDY & EVALUATION SCHEME
Choice Based Credit System /ECS*
Bachelor of Arts

First Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Core	BECC101	Principles of Micro Economics-I	6	0	0	6	30	70	100

L – Lecture, T – Tutorial, P – Practical, C – Credit

Second Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Core	BECC201	Principles of Micro Economics-II	6	0	0	6	30	70	100

L – Lecture, T – Tutorial, P – Practical, C – Credit



Third Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Core	BECC 301	Principles of Macro Economics-I	6	0	0	6	30	70	100
2	Skill	BECS301	Computer Skills for business Communication and Economic Research	4	0	0	4	30	70	100

L – Lecture, T – Tutorial, P – Practical, C – Credit

Fourth Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Core	BECC401	Principles of Macro Economics-II	6	0	0	6	30	70	100
2	Skill	BECS401	Entrepreneurship and Small Business Development	4	0	0	4	30	70	100
3.	Skill	BECS 402	Understanding Economic Survey and Union Budget	4	0	0	4	30	70	100

L – Lecture, T – Tutorial, P – Practical, C – Credit



Fifth Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Elective	BECD501	Economic Development and Policy in India-I	6	0	0	6	30	70	100
2	Elective	BECD502	Money and Banking	6	0	0	6	30	70	100
3	Elective	BECD503	Environmental Economics	6	0	0	6	30	70	100
4	Skill	BECS501	Financial Economics	4	0	0	4	30	70	100
5	Generic	BECG501	Introductory Economics– I	6	0	0	6	30	70	100

L–Lecture,T–Tutorial, P–Practical,C –Credit

Sixth Semester

S. No.	Course Category	Course Code	Course Name	Periods				Evaluation scheme		Subject Total
				L	T	P	C	Sessional (Internal)	External (ESE)	
Theory										
1	Elective	BECC 601	Economic Development and Policy in India-II	6	0	0	6	30	70	100
2	Elective	BECC 602	Public Finance							
3	Skill	BECS 601	Data Analysis							
4	Generic	BECG 601	Introductory Economics– II	4	0	0	4	30	70	100
4	Generic	BECG 601	Introductory Economics– II	6	0	0	6	30	70	100

L–Lecture,T–Tutorial, P–Practical,C –Credit



Shri Guru Ram Rai University, Dehradun
Bachelor of Arts
Department of Economics

Examination Scheme:

Components	Ist internal	IInd Internal	External (ESE)
Weightage (marks)	15 Marks	15Marks	70 Marks



FIRST SEMESTER

Course code : BECC- 101				
Course Name : Principles of Micro Economics-I				
Semester /Year : I Semester				
	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To understand the problem of scarcity and choices.
2. To study the law of demand, supply and elasticities.
3. To know about the consumer theory.
4. To explain the production and cost theory.
5. To familiarize the perfect competition and welfare allocation under perfect competition.

Course Contents:

Unit 1

Introduction

- a. Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems.
- b. Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium.
- c. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus.
- d. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities.



Unit 2

Consumer Theory

Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint.

Unit 3

Production and Costs

a. Production: behavior of profit maximizing firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition.

b. Costs: costs in the short run, costs in the long run, revenue and profit maximizations, minimizing losses, short run industry supply curve, economies and diseconomies of scale, long run adjustments.

Unit 4

Perfect Competition

a. Assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries.

b. Welfare: allocative efficiency under perfect competition.

Reference Books:

1. Archibald, G.C. (Ed.) (1971), Theory of the Firm, Penguin, Harmondsworth
2. Bain, J. (1958), Barriers to New Competition, Harvard University Press, Harvard. Broadway.
3. R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, London Cambridge.
4. Graff, J. De V. (1957), Theoretical Welfare Economics, Cambridge University Press,
5. H.L. Ahuja (2008), Advanced Economic Theory, S.Chand publication, New Delhi.
6. Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
7. Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
8. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York .
9. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
10. Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
11. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New



Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Explain the cost theory.
CO2	Define the consumer theory.
CO3	Illustrate the production theory.
CO4	Analyze the problem of scarcity choices and law of demand, supply and elasticities.
CO5	Distinguish the perfect competitive market framework under perfect competition.
CO6	Be acquainted with welfare allocation under perfect competition.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	3	2	1					1	2	1	1	1	2	2		2
CO2	2	2	1	1		1		1	1	1	1	1	3	1		2
CO3	2	1	2	1				2	2	2	2	2	2	1		1
CO4	2	1	1		1		2	1	1	1	1	1	1	1		1
CO5	2	2	2	1		2	2	2	2	2	2	2	1	2		2
CO6	3	1	2	1		1	2	2	2	2	2	2	1	2		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



SECOND SEMESTER

Course code	: BECC201				
Course Name	: Principles of Micro Economics-II				
Semester /Year	: II Semester				
		L	T	P	C
		6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To understand the concept of Monopoly market and imperfect competition.
2. To study the consumer and producer theory.
3. To explain the markets and market failure.
4. To determine income distribution and factor pricing
5. To analyze different theories of international Trade and barriers to international trade.

Course Contents:

Unit 1

Market Structures

a. Theory of a Monopoly Firm

Concept of imperfect competition; short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly, social cost of monopoly, price discrimination; remedies for monopoly: Antitrust laws, natural monopoly.

b. Imperfect Competition

Monopolistic competition: Assumptions, SR & LR price and output determinations under monopolistic competition, economic efficiency and resource allocation; oligopoly: assumptions, oligopoly models, game theory, contestable markets, and role of government.

Unit 2

Consumer and Producer Theory

a. Consumer and Producer Theory in Action



Externalities, marginal cost pricing, internalising externalities, public goods; imperfect information: adverse selection, moral hazard, social choice, government inefficiency.

b. Markets and Market Failure

Market adjustment to changes in demand, efficiency of perfect competition; sources of market failure: imperfect markets, public goods, externalities, imperfect information; evaluating the market mechanism.

Unit 3

Income Distribution and Factor pricing: Input markets: demand for inputs; labour markets, land markets, profit maximization condition in input markets, input demand curves, distribution of Income.

Unit 4

International Trade: Absolute advantage, comparative advantage, terms of trade, sources of comparative advantage, trade barriers, free trade/ protectionism.

Reference Books:

1. Ahuja H.L. (2003) Advanced Economic Theory: Microeconomic Analysis, 13th Edition, S. Chand and Company Ltd. New Delhi
2. Case, Karl E., Ray C. Fair and Sharon E. Oster (2013) Principles of Economics, (11th Edition), PrenticeHall of India, New Delhi
3. Koutsoyiannis, A. (1990) Modern Microeconomics, Macmillan Press Ltd., London
4. Layard, P.R.G. and A. W. Walters (1978) Microeconomic Theory, McGraw Hill, New York
5. Lipsey, R.G. and K.A. Chrystal (2004) Principles of Economics, (9th Edition), Oxford University Press, New Delhi
6. Perloff, Jeffrey M. (2001) Micro Economics, Addison Wesley Longman Pvt. Ltd., New Delhi
7. Sen, A. (1999) Microeconomics Theory and Applications, Oxford University Press, New Delhi
8. Stigler, G. (1996) Theory of Price, (4th Edition), Prentice Hall of India, New Delhi
9. Varian, H. (2000) Microeconomic Analysis, W. W. Norton, New York



Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Identify the causes and consequences of externalities and market failure.
CO2	Describe the Income distribution and factor pricing market (Land market, Labour market).
CO3	Explain the theory and concept of monopoly firm and imperfect competition
CO4	Classify the various market structures and identify the markets in our locality
CO5	Discriminate between the concept of consumer and producer theory in Economics.
CO6	Write the terms of trade and international trade.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	P10	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	1		1	2	1	1	1	1	2	1	2	2	1		2
CO2	1	1		3	2	1	2	2	2	2	2	2	2	2		1
CO3	2	1		1	2	2	1	1	1	1	2	1	2	1		2
CO4	1	1		2	3	1	1	1	1	1	1	3	2	2		1
CO5	2	2		1	2	2	1	2	2	2	2	2	1	2		2
CO6	1	1		1	2	1	2	1	1	1	1	1	1			2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



THIRD SEMESTER

Course code	: BECC-301
Course Name	: Principles of Macro Economics-I
Semester /Year	: III Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To know about the concepts of GDP and measurement of National income.
2. To understand the theory of Income and employment.
3. To acknowledge determination of GDP.
4. To know the concept of money in modern Economy.

Course Contents:

Unit 1:

Introduction

Meaning and concept of macroeconomics: Nature, Scope and Components of Macroeconomics
Macroeconomic indicator, Circular flow of income and expenditure.

Unit 2:

Theory of income and Employment

Classical theory, Keynesian Theory of income and employment, Wage flexibility and Full Employment, Aggregate demand and aggregate supply, Theory of effective demand

Unit 3:

National Income Accounting

Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept



Unit 4:

Determination of GDP

Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier.

Unit 5:

Money in a Modern Economy

Concept of money in a modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply and credit creation; monetary policy.

Reference Books:

1. Agarwal, V. (2010) *Macroeconomics: theory and Policy*, Dorling Kindersley (India) Pvt. Ltd., New Delhi
2. Ahuja, H.L. (2012) *Macro Economics, Theory and policy*, S. Chand and Company Ltd., New Delhi
3. Dornbusch, R. and F. Stanley (1997) *Macroeconomics*, McGraw Hill, Inc., New York
4. ErroID'souza, (2008) *Macroeconomics*, Dorling Kindersley (India) Pvt. Ltd. New Delhi
5. Jha, R. (1991) *Contemporary Macroeconomic Theory and Policy*, Wiley Eastern Ltd., New Delhi.
6. Mankiw, N.G. (2013) *Principles of Macroeconomics*, Cengage Learning India (Pvt.) Ltd., New Delhi



Course Outcomes:

Upon successful completion of the course, student will be able to-

CO1	Identify the theory of income and employment.
CO2	Describe the concepts, determination of GDP and measurement of National Income
CO3	Determine the basic concept of consumption function and investment function in Macroeconomics.
CO4	Illustrate the concept of macroeconomics
CO5	Distinguish between theory of money and monetary policy.
CO6	Write the concepts of MPS, APS, MPC, APC and Multiplier.

CO-PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	1		1	1	1	3	3	3	2	1	3	2	2		2
CO2	1	2			2	1	2	2	2	2	2	2	2	1		1
CO3	2	2			2	1	2	2	1	2	2	2	1	2		1
CO4	2	1		2	1	1	2	1	2	1	2	3	2	2		2
CO5	2	2			2	1	2	2	2	2	2	2	1	1		2
CO6	2	2		2	2	1	2	2	2	2	2	2	1	1		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



**THIRD SEMESTER
SKILL ENHANCEMENT COURSE**

Course code	: BECS-301
Course Name	: Computer skills for Business Communication and Economic Research
Semester /Year	: III Semester

	L	T	P	C
	4	0	0	4

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To know the use of computer technology for developing effective business communication skills and for assisting in his/her research work.
2. To learn how to write Business Correspondence.
3. To Plan, design and present presentation.
4. To create Resume.

Course Contents:

Unit I

Office applications and Internet: Word Processing: Its main elements, Opening Documents and Closing documents, Text Creation and Manipulation, Formatting the Text, Table Manipulation; Electronics Spread Sheet: Its main elements, Data management on spreadsheet, providing Formulas; Power point: Creation of Presentation, Preparation of Slides; WWW and Web Browsers; Surfing the Internet; Basic of electronic mail, Using Emails, Document handling.

Unit II

Business Correspondence: Letter Writing, presentation, inviting quotations, sending quotations, placing orders, inviting tenders, Sales letters, claim & adjustment letters and social correspondence, Memorandum, Inter -office Memo, Notices, Agenda, Minutes, Job application letter, preparing the Resume.



Reference Books:

1. Lesikar, R.V. & Flatley, M.E.; Basic Business Communication Skills for Empowering the Internet Generation, Tata McGraw Hill Publishing Company Ltd. New Delhi.
2. Bovee, and Thill, Business Communication Today, Pearson Education
3. Shirley Taylor, Communication for Business, Pearson Education
4. Locker and Kaczmarek, Business Communication: Building Critical Skills, TMH
5. Sinha, K.K., Business Communication, Galgotia and Sons, New Delhi.

Course Outcomes:

Upon successful completion of the course, student will be able to-

CO1	Define the usage of computers and how computers are essential components in learning whether business or society.
CO2	Interpret the PPT presentation, internet surfing and organize data management.
CO3	Select the use of words to produce professional documents.
CO4	Format business correspondence with the help of computer applications.
CO5	Evaluating the data handling efficiently
CO6	Create and format spreadsheet to carry out inferential statistical analysis using data analysis tool to graphically displaying the result.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2		2	2	2	2	2	2	2	2	3	2		2	
CO2	2	1		3	3	1	3	3	2	3	3	3	2		2	
CO3	2	2		2	2	1	2	2	3	2	3	2	1		2	
CO4	2	1		2	2	2	2	2	2	2	2	2	1		1	
CO5	2	2		1	1	1	1	1	2	1	2	3	1		1	
CO6	2	2		2	2	1	2	2	2	2	2	2	2		2	

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



FOURTH SEMESTER

Course code	: BECC-401
Course Name	: Principles of Macro Economics-II
Semester /Year	: IV Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To infer IS LM model: how aggregate market interacts for real goods and financial markets
2. To compare Aggregate demand and aggregate supply
3. To indicate the reasons of unemployment, how we measure the inflation rate through Phillip’s curve.
4. To know how Nations measure their own level of international economic activity.

Course Contents:

Unit 1:

IS-LM Analysis: Derivations of the IS and LM functions; IS-LM and aggregate demand; shifts in the AD curve.

Unit 2:

GDP and Price Level in Short Run and Long Run: Aggregate demand and aggregate supply; multiplier Analysis with AD curve and changes in price levels; aggregate supply in the SR and LR.

Unit 3:

Inflation and Unemployment: Concept of inflation; determinants of inflation; relationship between inflation and unemployment: Phillips Curve in short run and long run.

Unit 4:

Balance of Payments and Exchange Rate: Balance of payments: current account and capital account; market for foreign exchange; determination of exchange rate.



Reference Books:

1. Agarwal, V. (2010) *Macroeconomics: theory and Policy*, Dorling Kindersley (India) Pvt. Ltd., New Delhi
2. Ahuja, H.L. (2012) *Macro Economics, Theory and policy*, S. Chand and Company Ltd., New Delhi
3. Dornbusch, R. and F. Stanley (1997) *Macroeconomics*, McGraw Hill, Inc., New York
4. Errol D'souza, (2008) *Macroeconomics*, Dorling Kindersley (India) Pvt. Ltd. New Delhi
5. Jha, R. (1991) *Contemporary Macroeconomic Theory and Policy*, Wiley Eastern Ltd., New Delhi.
6. Mankiw, N.G. (2013) *Principles of Macroeconomics*, Cengage Learning India (Pvt.) Ltd., New Delhi

Course Outcomes:

Upon successful completion of the course, student will be able to:

CO1	Identify the short and long run aggregate demand and aggregate supply.
CO2	Explain the various concept of GDP and Price level in the short run and in the long run.
CO3	Determine the Relationship between inflation and unemployment.
CO4	Analyze the IS LM functions.
CO5	Conclude the knowledge of the balance of payments.
CO6	Write the foreign exchange and its determination

CO-PO- PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2		2	2	2	1	2	2	2	2		2
CO2	2	1		2	2	1	2	2	2	3	2		2
CO3	3	2		3	3	3	3	3	2	2	1		2
CO4	2	1		2	2	2	2	2	2	2	2		2
CO5	2	2		2	2	2	2	2	1	2	2		2
CO6	2	1		2	2	2	2	2	2	2	2		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECS-401
Course Name	: Entrepreneurship and Small Business Development
Semester /Year	: IV Semester

	L	T	P	C
	4	0	0	4

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To understand the basic knowledge of starting new ventures.
2. To gain knowledge about the formulation and planning of projects.
3. To make them familiar with knowledge of institutions which help in the development of small business.

Course Outline

Unit1

Establishing a small enterprise: The start up process, project identification, selection of the product, project formulation, Project Report Preparation; Specimen of Project Report, assessment of project feasibility, analysis's of project, Project Planning and Scheduling using Networking Techniques of PERT / CPM preparation of project report, selection of site/location and legal considerations

Unit 2

Small Enterprises and Enterprise Launching Formalities : Definition of Small Scale; Rationale;Objective; Scope; SSI; Registration; NOC from Pollution Board; Machinery and Equipment Selection

Unit 3

Role of Support Institutions and Management of Small Business : Director of Industries; DIC;SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISBUD; State Financial Corporation SIC



Reference Books:

1. Desai, Vasant (2003). Small-Scale Industries and Entrepreneurship. Himalaya Publishing House, Delhi.
2. Kaulgud, Aruna (2003). Entrepreneurship Management. Vikas Publishing House, Delhi. 38
3. Cynthia, L. Greene (2004). Entrepreneurship Ideas in Action. Thomson Asia Pvt. Ltd., Singapore.

Course Outcomes:

Upon successful completion of the course, student will be able to:

CO1	List the Role support and management of small business.
CO2	Identify and analyse the start-up process and project.
CO3	Explain the small enterprises and enterprise launching formalities
CO4	Differentiate the machine and equipment selection
CO5	Evaluating the Role support and management of small business.
CO6	Planning the project and scheduling using networking techniques.

CO-PO- PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PS4
CO1	2	2		2	2	2	2	2	2	2	2	3	2	1	2	
CO2	2	1		2	2	2	3	1	2	2	2	2	3	2	2	
CO3	3	2		1	2	2	2	2	3	2	2	2	2	1	2	
CO4	2	2		1	2	1	2	3	2	2	2	1	1	2	1	
CO5	2	2		1	2	2	2	2	2	2	2	2	2	1	1	
CO6	1	2		1	2	2	3	2	2	2	2	2	1	1	1	

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Shri Guru Ram Rai University, Dehradun
Bachelor of Arts
Department of Economics



SKILL ENHANCEMENT COURSE

FOURTH SEMESTER

Course code	: BECS 402
Course Name	: Understanding Economic Survey and Union Budget
Semester /Year	: IV Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To familiarize students with basic concepts related to the Economic Survey and Union Budget.
2. To appraise the Capital receipts, revenue receipts; tax and non-tax revenue.
3. To enumerate government policies and decision-making.

Course Contents:

Unit 1:

Concepts: Fiscal policy, areas of government spending in India; Capital and revenue expenditure; plan and non-plan expenditures; Deficits (fiscal, primary, revenue), impact of fiscal deficits on the economy;

Unit 2:

Capital receipts, revenue receipts; tax and non-tax revenue; direct and indirect taxes; need for rationalization of tax structure; Goods and Services Tax (GST); Actual, revised and budget estimates; Zero-base budgeting; • Gender budgeting; Fiscal devolution and center-state financial relations

Unit 3:

The economic survey: Analysis of current and past policy emphasis. The union budget: Need for the budget; understanding the process of budget making in India; Analysis of fiscal and revenue deficits; Analysis of sources of revenue and expected growth in revenue; tax simplification, improvement in administration, expansion of tax net and other measures to improve revenue receipts;

Unit 4:

Analysis of expenditure pattern and expected growth in expenditure; thrust areas of budget; sectors that have received higher/lower shares of expenditure, the reasons and consequences thereof; steps proposed to ensure effective spending



Reference Books:

1. Chakraborty, P. (2015). Intergovernmental fiscal transfers in India: Emerging trends and realities. In P. Patnaik (ed.): Macroeconomics. Oxford University Press.
2. Reddy, Y. (2015). Continuity, change and the way forward: The fourteenth finance commission. Economic and Political Weekly, 50(21), 27- 36.
3. Teaching Learning Process Lectures and tutorials Assessment Methods Internal assessment and final examination as per CBCS rules Keywords Economic survey, union budget, government policy
4. Centre for Budget and Governance Accountability. Recent reports.
5. Ministry of Finance. Economic and social classification of the budget.
6. Ministry of Finance. Economic survey (latest).
7. Ministry of Finance. Finance commission report (latest).
8. Ministry of Finance. Union budget.



Course outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Remember the Fiscal policy.
CO2	Explain the tax structure system.
CO3	Demonstrate different tax structure and budget.
CO4	Analyze the process of different types of budgeting.
CO5	Evaluate the expenditure pattern and expected growth in expenditure.
CO6	Write the sources of revenue and expected growth in revenue.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4
CO1	3	2		2	2	3	2	2	2	2	2	1	2	2		1
CO2	2	2		2	2	2	2	3	3	3	2	2	2	2		1
CO3	2	2			2	2	3	2	3	2	3	1	2	2		1
CO4	2	2		2	2	3	2	2	2	2	2	2	2	2		3
CO5	3	1		2	1	2	1	1	2	1	2	1	1	2		2
CO6	2	2		2	2	1	2	2	1	2	2	2	2	2		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



FIFTH SEMESTER

Course code	: BECD501				
Course Name	: Economic Development and Policy in India-I				
Semester /Year	: V Semester				
		L	T	P	C
		06	0	0	06

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To manifest various issues in growth and development.
2. To understand capital formation.
3. To articulate demographic trends and employment structure in organized and unorganized sector.
4. To study poverty inequality and internal finance.

Course Contents:

Unit 1

Issues in Growth, Development and Sustainability

Unit 2

Factors in Development: Capital formation (Physical and Human); technology; institutions.

Unit 3

Population and Economic: Demographic trends and urbanization.

Unit 4

Employment: Occupational structure in the organized and the unorganized sectors; open-, under and disguised unemployment (rural and urban); employment schemes and their impact.

Unit 5

Indian Development Experience: Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era; savings and investment; mobilization of internal and external finance; monetary and fiscal policies; centre-state financial relations.



Reference Books:

1. Michael P Todaro and Stephen Smith. Economic Development, Pearson, 11th edition (2011)
2. Uma Kapila, Indian Economy since Independence, Academic Foundation, 19th edition (2009).
3. United Nations Development Programme, Human Development Report 8 2010, Palgrave Macmillan (2010).
4. Government of India, Economic Survey (latest)
5. Government of India, Five Year Plan (latest)
6. Government of India, Finance Commission Report (latest)

Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Describe the issues related to unemployment and its impact.
CO2	Explain the employment structure and their impact.
CO3	Determine the development factor.
CO4	Analyse issues related to growth and development
CO5	Summarize the population trends and the urbanization.
CO6	Measure development with the help of theories along with the conceptual issues of poverty and inequalities.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2		2	2	3	2	1	2	2	2	1	2		2	2
CO2	2	2		3	3	2	3	3	2	3	3	1	2		1	1
CO3	2	2		1	1	2	1	2	1	2	2	1	2	1	2	1
CO4	2	2		2	2	3	2	1	2	2	2	2	1	2	1	1
CO5	2	1		3	2	2	2	2	1	2	3	1	3		1	2
CO6	2	1		1	1	1	1	2	1	3	2	1	1		1	2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code : BECD502				
Course Name : Money and Banking				
Semester /Year : V Semester				
	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To understand the theories of money.
2. To learn the conceptual framework of financial market and institutions.
3. To acquire knowledge of Banking and finance sector.
4. Enumerate monetary management in Indian Economy

Course Contents:

Unit 1

Money: Concept, functions, measurement; theories of money supply determination.

Unit 2

Financial Institutions, Markets, Instruments and Financial Innovations:

- a. Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises.
- b. Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations.

Unit 3

Interest Rates: Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.

Unit 4

Banking System

- a. Balance sheet and portfolio management.
- b. Indian banking system: Changing role and structure; banking sector reforms.

Unit 5

Central Banking and Monetary Policy: Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.



Reference Books:

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

Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Describe the function of central bank and Commercial Bank.
CO2	Interpret the basic concept of money and its supply
CO3	Explain the Role of financial markets and institutions in Indian economic structure.
CO4	Analysis the instruments of monetary control of Central Bank with reference to India
CO5	Conclude the depth knowledge of interest rate and its theories
CO6	Write the theory of interest rate with current financial scenario.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	1	2		2	2	2	1	2	2	2	2	2	1	2		2
CO2	2	1		2	2	2	2	2	2	2	2	2	2	1		2
CO3	2	1		2	2	3	1	3	2	3	2	3	1	2		1
CO4	1	2		1	1	1	3	2	3	3	2	3	2	2		2
CO5	2	1		2	2	2	2	2	2	2	2	2	2	1		2
CO6	2	2		2	2	2	2	2	2	2	2	2	1	1		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECD503				
Course Name	: Environmental Economics				
Semester /Year	: V Semester				
		L	T	P	C
		6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To understand the Fundamental concepts, Nature and scope of environmental economics.
2. To learn Pigouvian tax and environmental problems.
3. To make aware about Environmental and sustainable development and environment related policies.

Course Contents:

Unit 1

Introduction: Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.

Unit 2

The Design and Implementation of Environmental Policy: Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; Transboundary environmental problems; economics of climate change.

Unit 3

Environmental Valuation Methods and Applications: Valuation of non-market goods and services theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.

Unit 4

Sustainable Development: Concepts; measurement; perspectives from Indian experience



Reference Books:

1. Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray, “NaturalResource and Environmental Economics”, Pearson Education/Addison Wesley, 4thedition, 2011.
2. Charles Kolstad, “Intermediate Environmental Economics”, Oxford University Press, 2nd edition, 2010.
3. Robert N. Stavins (ed.), “Economics of the Environment: Selected Readings”, W.W. Norton, 6th edition, 2012.
4. Robert Solow , “An Almost Practical Step toward Sustainability,” Resources for the Future 40th anniversary lecture,1992.
5. Kenneth Arrow et al. , “Are We Consuming Too Much?” Journal of Economic Perspectives, 18(3): 147-172, 2004.
6. IPCC (Intergovernmental Panel on Climate Change), Fifth Assessment Report (forthcoming 2014).

Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Describe the environment and ecology
CO2	Understand the key environmental policies and market failure
CO3	Explain environmental quality, quantification of environmental damages.
CO4	Illustrate the SDGs of India.
CO5	Conclude the environmental impact assessments on our society.
CO6	Construct tools for evaluation of environmental projects such as cost-benefit analysis

CO-PO-PSO Mapping

Cours e	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2		1	3	2	2	2	2	2	2	2	2		3	2
CO2	1	2		1	1	2	2	2	2	2	2	2	1		2	1
CO3	2	1		2	2	3	3	3	2	3	3	3	2		1	2
CO4	1	2		2	1	3	3	3	2	3	3	3	1		2	1
CO5	2	3		2	2	2	2	2	2	2	2	2	2		2	1
CO6	2	1		1	2	2	2	2	1	2	2	2	1		2	1

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECS501				
Course Name	: Financial Economics				
Semester /Year	: V Semester				
		L	T	P	C
		4	0	0	04

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To study finance economics.
2. To make them familiar with elementary mathematics and the essential aspects of financial asset valuation.
3. To introduce numerical techniques in finance.
4. To understand the capital market line.

Course Contents:

Unit 1

Deterministic cash: flow streams: Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates.

Unit 2

Single-period random cash flows: Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem.

Unit 3

Capital Asset Pricing Model (CAPM): The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.



Reference Books:

1. David G. Luenberger, Investment Science, Oxford University Press, USA, 1997.
2. Richard A. Brealey and Stewart C. Myers, Principles of Corporate Finance, McGraw-Hill, 7th edition, 2002.
3. Burton G. Malkiel, A Random Walk Down Wall Street, W.W. Norton & Company, 2003.
4. Simon Benninga, Financial Modeling, MIT Press, USA, 1997.



Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Describe the theory of interest and able to calculate the interest.
CO2	Understand the concept of spot rate and exchange rate
CO3	Explain the role and significance of foreign exchange rate and its markets with its impact on various sectors in the economy.
CO4	Analyse the different concept of portfolio and its related theories
CO5	Conclude the numerical technique in public finance
CO6	Construct CAP model.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PS O1	PS O2	PS O3	PS O4
CO1	2	1		1	2	1	3	3	2	3	3	3		2	2	2
CO2	1	1		2	2	2	2	2	1	2	2	2	1	1	2	1
CO3	1	2		1	2	1	1	3	1	1	1	1		2	1	1
CO4	1	1		1	3	1	2	2	2	2	2	2		1	2	1
CO5	2	2		1	1	1	1	2	1	1	1	1		2	1	2
CO6	1	1		1	1	1	2	2	2	2	2	2		1	1	1

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECG501				
Course Name	: Introductory Economics-I				
Semester /Year	: V Semester				
		L	T	P	C
		6	0	0	06

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are

1. To understand the basic concept of Economics.
2. To learn about the law of demand and consumer surplus theory.
3. To Explain the Law of Variable Proportions.
4. To understand the different market situation in the Economy and the different theory of factor pricing.

Course Contents:

Unit 1

Introduction: Definition, Economic Problems- Scarcity and choice; Central problems of an economy; Micro and Macro Economics; Equilibrium, Positive and Normative Economics; Production possibility curve.

Unit 2

Demand Analysis: Law of Demand and Supply, Utility Analysis of Demand, Indifference Curve Analysis of Demand, Elasticity of Demand, Consumer's Surplus.

Unit 3

Theory of Production: Law of Variable Proportions, Production Possibility Curve; Producer's Equilibrium; Returns to Scale.

Unit 4

Theory of Product Pricing: Market Structures and Revenue and cost Curves, Equilibrium of the Firm, Price and Output Determination under Perfect Competition and Monopoly.

Unit 5

Theory of Factor Pricing: Scarcity and Differential rent; Liquidity preference theory of interest, Schumpeter's and knight's theory of Profit, Marginal productivity theory.



Reference Books:

1. Ahuja, H.L. (2015): Advanced Economic Theory, S. Chand & Co., New Delhi
2. Baumol W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi..
3. Kreps David. M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
4. Koutsoyiannis. A (1982): Modern Micro Economics, McMillan.
5. Layard P.R. Gand A. W. Walters (1978), Micro Economic Theory, McGraw Hill, New York.
6. Sen, Anindya (1999): Microeconomic Theory and Applications, Oxford University Press, New Delhi.
7. Stigler G. (1996), Theory of Price (4th Edition), Prentice Hall of India, New Delhi.

Course Outcomes (COs):

Upon successful completion of the course, student will be able to-

CO1	Describe the basic concepts of demand and supply, market structure and their performance
CO2	Interpret the knowledge of demand analysis.
CO3	Determine the equilibrium between consumption and production
CO4	Illustrate the theory of production
CO5	Evaluate the price and quality according to the type of market
CO6	Write the theory of factor pricing in establishment of their own business

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2		1	2	1	1	2	1	2	2	2	2	1		2
CO2	1	2			2	1	1	2	2	2	2	3	1	1		2
CO3	2	2			2	1	1	2	2	2	2	2	2	2		1
CO4	1	1	1	1	1		1	3	1	1	1	1	1	2		2
CO5	2	2			2		1	2	2	2	2	2	2	1		2
CO6	2	1		1	1		1	3	2	1	1	1	2	1		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



SIXTH SEMESTER

Course code	: BECD-601
Course Name	: Economic Development and Policy in India-II
Semester /Year	: VI Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. To study different policies and performance of agriculture.
2. To understand the performance of industry and policies to develop the industrial sector.
3. To differentiate balance of payment of India and the role of World Trade organisation.

Course Contents:

Unit: 1.

Agriculture: Policies and Performance: Production and productivity; credit; labour; markets and pricing; land reforms; regional variations.

Unit: 2.

Industry: Policies and Performance; Production trends; small scale industries; public sector; foreign investment.

Unit: 3.

Foreign Trade: Trends and Policies; Balance of trade and balance of payments; India and the World Trade Organization.

Reference Books:

1. Uma Kapila, *Indian Economy since Independence*, Academic Foundation, 19th edition (2009).
2. Government of India, *Economic Survey* (latest)
3. Government of India, *Five Year Plan* (latest)



Course Outcomes:

Upon successful completion of the course, student will be able to-

CO1	Define the concept of Agriculture Policies
CO2	Describe the Agriculture Performance
CO3	Explain the Industry Polices
CO4	Compare India and WTO
CO5	Distinguish Balance of trade and balance of payment
CO6	Write the Industry performance.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	1		2	2	1	2	2	2	2	2	2	2	1		2
CO2	2	2		1	2	1	2	2	2	2	2	2	2	1		2
CO3	2	2		1	2	2	2	2	2	2	2	2	2	2		2
CO4	2	1		2	2	1	3	2	2	2	2	2	1	1		2
CO5	3	2		1	1	2	2	3	1	1	1	3	2	1		1
CO6	2	2		1	1	1	1	3	1	1	1	1	2	1		2

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECD-602
Course Name	: Public Finance
Semester /Year	: VI Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objective:

The objectives of this course are:

1. To understand Public Finance.
2. To explain public budget and public expenditure.
3. To define public taxation.
4. To make understand public debt.

Course Contents:

Unit 1:

Introduction of Public Finance: Meaning of Public Finance, Nature & Scope of public Finance, Public Good- Pure and impure public goods, social goods, merit goods, free riding, Market Failure and Externalities

Unit 2:

Public Budget and Public Expenditure: Meaning of Public Budget, Classification of budgets, Budget Deficit

Meaning of Public Expenditure, Canons of Public Expenditure, Causes and effect of Public Expenditure

Unit 3:

Public Taxation: Meaning of Public Taxation, Approaches of taxation, classification of Taxes, incidence and shifting of Taxation

Unit 4:

Public Debt: Meaning of Public Debt, Classification of Public Debt, Sources of Public Debt, Advantage and disadvantage of public debt,



Reference Books:

1. Musgrave, R.A. and P.B. Musgrave, *Public Finance in Theory and Practice*, Mc-Graw Hill, 1989.
2. Mahesh Purohit , “*Value Added Tax: Experience of India and Other Countries*”, GayatriPublications, 2007.
3. KaushikBasu, and A. Maertens (ed.), *The Oxford Companion to Economics in India*, Oxford University Press,2007.
4. M.M Sury, *Government Budgeting in India*, Commonwealth Publishers, 1990.
5. Shankar Acharya, “Thirty years of tax reform” in India, *Economic and Political Weekly*, May 2005.
6. Government of India, *Report of the 13th Finance Commission*.
7. *Economic Survey*, Government of India (latest).
8. State Finances: A Study of Budgets, *Reserve Bank of India* (latest).

Course Outcomes:

Upon successful completion of the course, student will be able to-

CO1	Describe the market failure and Externalities.
CO2	understand the concept of public finance
CO3	Determine the public budget and classification of budget.
CO4	Compare Public Taxation and Classification
CO5	Evaluate the Public expenditure causes and effect of Public Expenditure.
CO6	Enumerate Different concept of Public Debt.

CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PS O3	PS O4
CO1	3	1			2	2	3	2	1	2	2	2	2	2		
CO2	2	2	1	1	2	2	2	3	2	2	2	2	2	2		2
CO3	2	2	1		2	2	2	2	2	2	2	2	2	2		2
CO4	2	2	1		2	2	3	2	2	2	2	2	1	2		1
CO5	3	2			2	1	2	3	1	1	1	1	2	1		
CO6	2	2	2		2	2	1	2	2	2	2	2	2	1		

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Skill Enhancement

Course code	: BECS-601
Course Name	: Data Analysis
Semester /Year	: VI Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives

1. To learn about the collection and presentation of data.
2. To classify correlation, Regression and probability.
3. To enumerate index numbers.

Course Content

Unit 1:

Introduction to Statistics

Basic concepts, definitions, Advantage and disadvantage in collecting statistics; Meaning of data, frequency distribution, cumulative frequency, graphic and diagrammatic representation of data, techniques of data collection, primary and secondary data, Sources of data.

Unit 2:

Sampling Techniques

Meaning of Sample, Principle Steps in a Sample Survey, sampling vs. population Types of Sampling – Random sampling and non-random sampling and its different types, Problems in collecting sample.

Unit 3:

Measures of Central Tendency

Meaning and Application of Mean, median and mode; arithmetic, geometric and harmonic mean; Measures of dispersion, skewness and kurtosis

Unit 4:

Correlation and Regression

Meaning and types of correlation, Coefficient of correlation – Karl Pearson and Rank correlation, Regression – linear and two regression equations

Unit 5:

Time Series and Index Numbers

Time series analysis- concept and components, measurement of trend, determination of seasonal variations; Index numbers- concept, methods of constructing index numbers (Laspeyers, Paaches and Fishers index, Simple Index method, Chain index numbers), Problems in construction and limitation of index numbers.



Shri Guru Ram Rai University, Dehradun
Bachelor of Arts
Department of Economics

Text Books:

1. P.H. Karmel and M. Polasek (1978), *Applied Statistics for Economists*, 4th edition, Pitman.
2. M.R. Spiegel (2003), *Theory and Problems of Probability and Statistics* (Schaum Series).



Course Outcomes:

Upon successful completion of the course, student will be able to,

CO1	Define the techniques of data collection.
CO2	Interpret sampling techniques and measurement of central tendency.
CO3	Explain the Measurement of Central Tendency
CO4	Compare correlation and the Regression
CO5	Evaluate the Concept and measurement of Time Series
CO6	Write Index Numbers methods and problems

CO-PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2		1	1	3	2	3	3	2	2	2	3	
CO2	3	3		1	2	3	2	3		3	3	3	3	
CO3	2	3		1	2	3	2	3	3	3	3	3	2	
CO4	3	3		2	2	3	1	3	3	3	3	3	2	
CO5	2	2		1	2	2	1			2	2	2	2	
CO6	2	2		1	1	1	1			2	2	2	2	

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated



Course code	: BECG-601
Course Name	: Introductory Economics-II
Semester /Year	: VI Semester

	L	T	P	C
	6	0	0	6

L - Lecture T – Tutorial P – Practical C – Credit

Course Objectives:

The objectives of this course are:

1. This course aims to introduce the students with the basic concepts of Money, Banking, Public Finance and International Trade.
2. This course exposes students to the preliminary concepts associated with them inflation, banking, national income and business cycles.
3. It also discusses various aspects of Public Finance as well as of International Trade.

Course Contents:

Unit 1:

Macro Economics: Meaning, Nature, Scope, Importance and Limitations, Basic concepts of Macro Economics, Output and Expenditure Flows, National Income: Meaning, Measurement and Importance.

Unit 2:

Money: Definitions and functions. Importance of Money in Capitalist, Socialist and Mixed Economies. Inflation: Definition, Causes, Effects of Inflation, Measures to Control Inflation.

Unit 3:

Banking: Functions of Commercial Banks, Credit Creation, Functions of Central Bank, Credit Control, Role and Functions of RBI.

Unit 4:

Public Finance: Meaning, Scope and Importance, Principle of Maximum Social Advantage, Public Expenditure: Objectives and Importance, Effects of Public, Expenditure. Public Revenue: Meaning and Sources, Taxation: Meaning and objectives, Kinds of Taxes, GST, Monetary Policy and Fiscal Policy.



Unit 5:

Inter-regional and International Trade: Determination of Foreign Exchange Rate, Balance of Trade and Balance of Payment, Free Trade Vs Protection, IMF and IBRD, India's Foreign Trade.

Reference Books:

1. Bhargava, R.N. (1969), Indian Public Finances, B.D. Bhargava and Sons, Chandausi.
2. Gandhi, V.P. (1970), Some Aspects of India's Tax Structure, Vora and Company, Bombay.
3. Hall, R.E. and J.B. Taylor (1986), Macroeconomics, W.W. Norton, New, York.
4. Jha, R. (1998), Modern Public Economics, Routledge, London.
5. Lockett, D.G. (1976), Money and Banking, Mc Graw Hill, New York.
6. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, Mc Graw Hill, Kogakusha, Tokyo.
7. Mithani D.M. (2015) Principles of Public Finance and Fiscal Policy Himalaya Publishing House, New Delhi.
8. Ritter, L.S. and Sibley, W.L. (1977), Principles of Money, Banking and Markets, Basic Books, New York.
9. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi.
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Course Outcomes:

Upon successful completion of the course, student will be able to-

CO1	Define different concepts of Public Finance.
CO2	Understand the basic concept of Macro Economics.
CO3	Explain the money concept in capitalist socialist, mixed economics and the concept of inflation.
CO4	Compare Inter-regional and international trade.
CO5	Discriminate between public Revenue and public expenditure.
CO6	Write the Functions of Commercial Banks, Credit Creation, and Functions of RBI.



CO-PO-PSO Mapping

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2			2	2	2	2	2	2	2	2	2	2		2
CO2	2	2		1	1	1	1	3	3	3	3	3	2	2		2
CO3	2	2	2	1	2	1	2	2	2	2	2	2	2	2		2
CO4	2	2	1		1	2	3	3	3	3	3	3	2	2		2
CO5	2	1		1	2	1	2	2	2	2	2	2	1	2		1
CO6	2	2			1	1	1	2	2	2	2	2	2	2		1

3: Highest Correlated, 2: Medium Correlated, 1: Lowest Correlated