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

Master of Arts (Economics)

Department of Economics

School of Humanities and Social Science

(W.E.F 2024-2025)

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Programme Outcome: Students will be able to

PO 1.	**Disciplinary knowledge:** The students acquire knowledge and understandingin the field of social sciences, literature and humanities through facts, theories and fundamental concepts. It will enhance the global as well as regional knowledge.
PO 2.	**Critical Thinking and Problem Solving:** The students will develop critical and analytical skills to identify and analyse social issues and problems and suggest improvementsfor better result. It provides a multi-disciplinary and inter- disciplinary perspective to the students and enables them to analyse and critique the existing policies and explore innovative solutions.
PO 3	**Investigations:** The students will analyse and evaluate data onthe basis of empirical evidence and critically evaluate practices, policies and theories following scientific approach of Investigations
PO4.	**Team Learning:** The students will learn independent individual learning and collaborative team learning through practical sessions that provide opportunities to interact with industry and gain hands-on experience.
PO5.	**Communication Skills:** The students will develop various communication and presentation skills which will help in expressing ideas and views clearly and effectively with the community and society at large.
PO6.	**Professionalism:** The students will be confident and equipped with the skills that will promote self-management, employability, entrepreneurship, professional integrity and leadership needed in a global workplace.
PO7.	**Ethics**: The students will learn values and ethics and an ability to apply these with a sense of responsibility within the workplace and community which will transform them as responsible citizens.
PO8.	**Environment and Sustainable Development**: The students will be able to impart solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
PO9.	**Lifelong Learning:** The students will have the ability to develop confidence for self-education and ability for lifelong learning. The program will empower to appear for various competitive examinations and to work independently adapting to changing trades, technology and demands of work place through knowledge and skill development.
PO10:	**Projects and Management:** The students will develop the ability to formulate problems and projects and to plan a process for solution taking advantage of diverse technical knowledge and skills. They can use the modern tools, techniques, skills and management principles to manage projects in multidisciplinary environments.

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PO11:	**Engineer and Society:** Apply reasoning and contextual knowledge to assess societal and cultural issues and the consequent responsibilities towards human, society and social institutions.
PO12:	**Design/Development of solutions:** Able to come up with solutions for complex social problems and design social components or processes that meet the specified needs with appropriate considerations for the public health, safety, cultural, societal and environment considerations.

Program Specific Outcome (PSOs)

PSO 1	Explanation of the economic theories, and their application in real world and contemporary issues related to regional, national and international levels.
PSO2	Understand the crucial economic policies and their roles in pursuing the objectives of different branches of Economics.
PSO3	Explication of the different branches of Economics and tools for construction of Economic Models.
PSO4	Identification of the concept of Environmental Economics, Development Planning, Labour Economics, History of Economic thought, Demography and Agricultural Economics.

Eligibility for admission:

Any candidate who has passed the Graduation Examination from any recognized university or equivalent University with Economics subject or any student from science background 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.

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Duration of the Programme: 2 Years
STUDY & EVALUATION SCHEME
Master 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	MECC101	Micro Economics – I	3	0	0	3	40	60	100
2		MECC 102	International Economics	3	0	0	3	40	60	100
3		MECC103	Gender Economics	3	0	0	3	40	60	100
4		MECC104	Macro Economics – I	3	0	0	3	40	60	100
5		MECC105	Monetary Economics	3	0	0	3	40	60	100
6		MECC106	Indian Economic Policies	3	0	0	3	40	60	100
7		MECP107	Seminar			2	2	40	60	100

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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	MECC201	Micro Economics-II	3	0	0	3	40	60	100
2		MECC202	International Finance and Policy	3	0	0	3	40	60	100
3		MECC203	Quantitative Methods and Statistical Analysis	3	0	0	3	40	60	100
4		MECC204	Macro Economics-II	3	0	0	3	40	60	100
5		MECC205	Economics of Human Development	3	0	0	3	40	60	100
6		MECC206	Research Methodology	3	0	0	3	40	60	100
7		MECP207	Seminar			2	2	40	60	100

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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	MECC301	Public Finance	3	0	0	3	40	60	100
2		MECC302	Demography-I	3	0	0	3	40	60	100
3		MECC303	Economics of Growth and Development	3	0	0	3	40	60	100
5	Elective	MECE304	Agricultural Economics-I	3	0	0	3	40	60	100
6	Elective	MECE305	Labour Economics-I	3	0	0	3	40	60	100
7	Elective	MECE306	Industrial Economics	3	0	0	3	40	60	100
	Elective	MECE307	Regional Economics	3	0	0	3	40	60	100
	Elective	MECE308	Economics of Rural Development	3	0	0	3	40	60	100
	Elective	MECE309	Econometrics-I	3	0	0	3	40	60	100
	Elective	MECE310	Financial Institutions and Markets	3	0	0	3	40	60	100
	Elective	MECE311	Computer Applications in Economics	3	0	0	3	40	60	100
		MECP312	Seminar	0	0	0	2	40	60	100

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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	MECC401	Indian Public Finance	3	0	0	3	40	60	100
2		MECC402	Demography-II	3	0	0	3	40	60	100
3		MECC403	Environmental Economics	3	0	0	3	40	60	100
5	Elective	MECE404	Agricultural Economics-II	3	0	0	3	40	60	100
6	Self Study	MECS405	Labour Economics II	3	0	0	3	40	60	100
7	Elective	MECE406	History of Economic Thoughts	3	0	0	3	40	60	100
8	Elective	MECE407	Development Planning	3	0	0	3	40	60	100
9	Elective	MECE408	Dissertation	3	0	0	3	40	60	100
10	Elective	MECE409	Econometries-II	3	0	0	3	40	60	100
11	Elective	MECE 410	Social Ecology Environment and Management	3			3	40	60	100
12	Seminar	MECP 411	Seminar	0	0	2	2	40	60	100

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

Examination Scheme:

Components	I internal (Assignment)	II Internal	External (ESE)
Weightage (Marks)	20	20	60

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Master of Arts - Economics

FIRST SEMESTER

Course code	**: MECC101**				
Course Name	**: Micro economics-I**				
Semester /Year	**: I Semester**				
	L	**T**	**P**	**C**	
	3	**0**	**0**	**3**	

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

Course Objectives:

The objectives of this course are:

1. To understand the theories of consumer behavior.
2. To Different developments in demand theorem.
3. To explain the Law of variable proportions and Returns-to-scale.
4. To analysis the Different approaches of the Firm theory.

Course Contents:

Unit-1:
Theories of consumer behavior: Indifference curve approach; Price, Income and Substitution effects (Hicks and Slutsky); Revealed preference theory; Applications of Indifference Curve Analysis; The Consumer's surplus (Marshall and Hicks).Elasticity (Price, cross, income) of demand.

Unit-2:
Recent developments in demand; Neumann Morgenstern hypothesis--Markowitz hypothesis – Bandwagon effect – Veblen effect – demand and supply equilibrium; Cob-web theorem.

Unit-3:
Law of variable proportions and Returns-to-scale; Producer's equilibrium; Production functions: Cobb-Douglas and CES functions Cost and Revenue Analysis; Cost Functions–

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short run and long run costs, Modern theory of Costs. Linear Programming.

Unit-4:

Marginal Approach for Firm's equilibrium; Alternative Theories of the Firm: Managerial

Theory of the Firm: Baumol'sTheory of Sales Revenue Maximisation; Behavioural Theory of the Firm: Cyert and March model; Limit Pricing Principle: Contribution of Bains.

Reference Books:

1. H.L. Ahuja (2008), Advanced Economic Theory, S.Chandpublication,New Delhi Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
2. Kreps, David M. (1990), A Course in Microeconomic Theory, PrincetonUniversity Press, Princeton.
3. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
4. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi. Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
5. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

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Course Outcomes (Cos)

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

CO1	Define different consumer behavior theories, Hicks and Slutsky effect.
CO2	Explain Elasticity of Demand.
CO3	Explain recent development in demand, equilibrium in demand and supply.
CO4	Illustrate the law of variable proportion and cost function
CO5	Conclude the cost and revenue analysis.
CO6	Write about the firm equilibrium and explain different theories of firm.

CO-PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO2	PSO3	PSO 4
CO1	2	2	1	1	1	1	1		2	2	2	1	2	2	1	
CO2	2	1	1	1	1	1	1		2	2	2	1	2	2	1	
CO3	2	1	1		1		2		2	2	2	1	2	2	1	
CO4	2	2	1	1		1	1		2	2	2	1	2	2	1	
CO5	2	1	1	1	1	1	1		1	1	1	1	1	2	2	
CO6	2	2	1	1	1	1	1		1	1	1	1	2	1	2	

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

11/05/2024

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Course code	**: MECC102**				
Course Name	**: International Economics**				
Semester /Year	**: I Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objective:

The objectives of this course are:

1. To understand the broad principles of international trade.
2. To know about the theories of the free flow of trade in goods, services and capital.
3. To explain the impact of the trade policies followed at the national and international levels as also their welfare implications for the economies.
4. To understand the economies of scale, tariff and non-tariff barriers in international trade.

Course Contents:

Unit 1:
Theories of international trade: Absolute and Comparative cost advantage theory. Opportunity cost theory; Law of Reciprocal demand: Offer curve analysis.

Unit 2:
Modern theories of international trade: Heckscher-Ohlin theorem, Leontief Paradox, Factor-price equalization theorem; Kravis and Linder theories of trade, The Rybczynski theorem – concept and policy implications of immiserizing growth

Unit3:
Effects of economic growth on international trade; Measurement of Gains from Trade and their Distribution; Terms of Trade: Concepts, their uses and limitations; Hypothesis of Secular Deterioration of Terms of Trade, Terms of Trade and LDCs; Trade as an Engine of Growth

Unit 4:
Free Trade versus Protection; Tariffs, Quotas and Non-Tariffs Barriers: Economics Effects of Tariffs and Quotas on National Income, Output and Employment, Terms of Trade and Income Distribution; Impact of Non-Tariffs Barriers.

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Reference Books:

1. Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Massachusetts.
2. Carbough, R.J. (1999), International Economics, International Thompson Publishing, New York.
3. Chacholiades, M. (1990), International Trade :Theory and Policy, McGrawHill, Kogakusha, Japan.
4. Dana, M.S. (2000), International Economics : Study, Guide and Work Book (5th Edition), Routledge Publishers, London.
5. Krugman, P.R. and M. Obstfeld (1994), International Economics : Theory and Policy, Glenview, Foresman.
6. H. Soderstom, Bo (1991), International Economics, The Macmillan Press Ltd., London
7. Dunn, R.M. and J.H. Mutti (2000), International Economics, Routledge, London Kenen, P.B. (1994),
8. The International Economy, Cambridge University Press, London Kindle berger.
9. C.P. (1973), International Economics, R.D. Irwin, Homewood
10. King, P.G. (1995), International Economics and International Economic Policy : A Reader, McGraw Hill International, Singapore.
11. Salvatore,D.(1997),International Economics, Prentice Hall Upper Saddle River,N.J.,NewYork.

Course Outcomes:

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

CO1	Recall the different concept and theories of international trade.
CO2	Describe modern theories of international trade
CO3	Explain the effects of economic growth on international trade
CO4	Analyse the gains from trade and their distribution.
CO5	Conclude the terms of trade, their uses and Limitation.
CO6	Express the effect of tariffs, Quotas on National Income output and Employment..

CO-PO-PSO Mapping

ourse	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
O1	2	2	1	1	1	1	1	1	2	1	1	1	2	1	1	
O2	2	1	1	1	2	1	2	1	2	2	2	2	2	1	1	
O3	2	1	1	1	1	1	1	1	2	1	1	1	2	1	1	
O4	2	2	1	1	2	1	1	1	2	2	2	2	2	2	1	
O5	2	2	1	1	1	2	1	2	1	1	1	1	1	1	2	
O6	2	2	1	1	2	1	2	1	1	1	1	1	2	1	3	

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

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Course code	: MECC103			
Course Name	: Gender Economics			
Semester /Year	. : I Semester			
	L	T	P	C
	3	0	0	3

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

Course Objectives:

The objectives of this course are:

1. To orient the student concept of demography.
2. To understand the women's health facilities and women's empowerment.
3. To study the women's work participation in the different sectors.

Course Contents:

Unit 1:

Demography of female population - age structure, mortality rates and sex ratio; Causes of declining sex ratios and fertility rates in India; Genders sensitization: Meaning role and its importance; Problems, and Challenges for Rural and Urban Women (Indian and Uttarakhand economy)

Unit 2:

Women's access to nutrition, health facilities, education and social and community resources and their impact; Democratic decentralization (Panchayats) and women's empowerment in India; Economic, health and Educational status of women

Unit 3:

Female work participation in agriculture, non-agricultural, rural activities, informal sector, cottage and small scale industries, organized industry and services sector in Indian and Uttarakhand perspective.

Unit 4:

Social security of women; Role of voluntary organizations and self-help groups in women empowerment; Gender and Economic planning in India; Recent Government initiatives for Women Empowerment; Government policies for women empowerment in Uttarakhand; problems in implementation of various government policies for attaining women empowerment .

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Reference Books:

1. *Agnihotri, S.B. (2000), Sex ratio in Indian Population: A Fresh Exploration, Sage Publications, New Delhi.*
2. *Kabeer, N. and R. Subrahmaniam (Eds.) (1999), Institutions, Relations and Outcomes, Kali for Women, New Delhi.*
3. *Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), Gender, Populationand Development, Oxford University Press, New Delhi.*
4. *Papola, T.S. and A.N. Sharma (Eds.) (1999), Gender and Employment inIndia, Vikas Publishing House, New Delhi.*
5. *Government of India (1974), Towards Equality — Report of the Committee on the Status of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.*
6. *Mazumdar, V. (1979), Symbols of Power: Studies on the Political Status of Women in India, Allied, Delhi.*
7. *Narasimhan, S. (1999), Empowering Women: An Alternative Strategy from Rural India, Sage Publications, New Delhi.*
8. *Purushothaman,S.(1998),The Empowerment of Women in India: Grass roots Women's Networks and the State, Sage Publications, New Delhi.*
9. *Seth,M.(2000),Women and Development: The Indian Experience, Sage Publications, New Delhi.*
10. *Srinivasan K. and A. Shroff (1998), India: Towards Population and Development Goals, Oxford University Press, New Delhi.*

Course outcomes (COs):

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

CO1	Define the demography of female population , causes of declining sex ratios and fertility rates in India
CO2	Describe the educational, health status of women's and Women empowerment in India.
CO3	Explain the female work participation in different sectors.
CO4	Illustrate the role of voluntary organizations and self half group in women empowerment.
CO5	Evaluate the various government policies for Women Empowerment.
CO6	Write about the gender sanitization.

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CO-PO-PSO Mapping

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

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

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Course code	: MECC104			
Course Name	: Macro Economics – I			
Semester /Year	: I Semester			
	L	T	P	C
	3	0	0	3

L = Lecture T = Tutorial P = Practical C = Credit

Course Objectives:

The objectives of this course are:

1. To know about the major issues of macroeconomics and National income.
2. To understand the theory of Income and Employment.
3. To again knowledge about the theory of consumption.
4. To make them familiar with the theory of investment and multiplier.

Course Contents:

Unit 1:
Major issues and importance of Macroeconomics; Macro-economic Paradoxes, Meaning and concepts of National Income; Circular flow of income in two, three and four sector economy.

Unit 2:
Classical theory of full employment: Say's Law of Market and wage-price flexibility; Keynes Theory of Income and Employment, Macro-economic equilibrium: AS-AD model- with variable prices.

Unit 3:
Consumption functions; Concept, Psychological law of consumption; importance of consumption function; Post-Keynesian Theories of Consumption: Relative Income Theory of consumption; Life Cycle theory of consumption, Permanent Income theory of consumption.

Unit 4:
Investment functions: Marginal Efficiency of Capital, Investment multiplier, Limitations of working of Keynesian Multiplier in developing economies; Accelerator: concept and working; Interaction of multiplier and accelerator.

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Course outcomes (COs):

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

CO1	Identify the different concepts of macroeconomics, inflation, IS-LM model, business cycles and model
CO2	Understand the classical, Keynesian and post Keynesian approaches
CO3	Explain the theory of inflation and Philips curve in short run and Long Run
CO4	Illustrate the IS-LM model, fiscal and monetary policy analysis
CO5	Conclude different theories of business cycles with certain aspect
CO6	Express the control of business cycles and relative effectiveness of monetary and fiscal policies

CO-PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	0	0	0	0	0			2	0	0	0	2	2		2
CO2	3	3	0	0	0			0	0	0		2	2	2		2
CO3	3	0	0	0	0	0	0	0	2	0	0	0	2	2		0
CO4	3	3	2	0		0		0	2	0		2	0	0		0
CO5	3	0	2	0		2		0	0	0	0	0	0	0		0
CO6	3	0	0	0		0		0	0	0		0	0	0		0

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

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Course code : MECC105				
Course Name : Monetary Economics – I				
Semester /Year : I Semester				
	L	T	P	C
	3	0	0	3

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

Course Objectives:

The objectives of this course are:

1. To understand the concept of money in different types of Economy.
2. To know about the High powered money and Multiplier.
3. To explain the theories of demand for money.
4. To study the credit creation and monetary policy.

Course Contents:

Unit 1:
Nature and Functions of Money; Classification of money; Role of money in Economic development, Role of money in capitalist and socialist economies; Meaning and types of monetary standards.

Unit 2:
Supply of Money: Measures of Money Supply, High powered money and money multiplier; factors affecting money supply, monetary transmission mechanism.

Unit 3:
Demand for Money: Theories of demand for money – Classical approach to demand for money–Quantity theory approach, Fisher' equation, Cambridge equinity theory, Keynes' Liquidity Preference approach; Patinkin, Baumol and Tobin approaches.

Unit 4:
Credit creation by Commercial Banks and Credit creation Multiplier; Central Bank: Functions and Role; Monetary Policy: Objectives, tools and effectiveness

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1. Gupta, S.B. (1995), Monetary Planning in India, Oxford University Press, New Delhi
2. Gupta, S.B. (2003), Monetary Economics-Institutions, Theory and Policy, S Chand publication, New Delhi
3. Gurley, J. and E.S. Shaw (1960), Money in a Theory of Finance, Brookings Institution, Washington.
4. Hall, R.E. and J.B. Taylor (1986), Macroeconomics, W.W. Norton, New York.
5. Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd, New Delhi.
6. Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
7. Mckinen, G.E. (1978), Money, The Price Level and Interest Rates, Prentice Hall of India, New Delhi.
8. Reddy, Y.V. (2000), A Review of Monetary and Financial Sector Reforms in India – A Central Banker's Perspective, UBSPD, New Delhi.

Course outcomes (COs):

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

CO1	Define Meaning, nature, functions, role of money and monetary standards.
CO2	Describe the supply of money and money multiplier.
CO3	Explain the different concept of demand for money theory.
CO4	Illustrate the credit policy instruments of RBI and other monetary measures.
CO5	Evaluate the effectiveness of monetary policy.
CO6	Write about the credit creation by Commercial Banks and credit multiplier

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Course code	**: MECC106**			
Course Name	**: Indian Economic Policies**			
Semester /Year	**: I Semester**			
	L	**T**	**P**	**C**
	3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are:

1. Economic Planning in India.
2. Economic Policies like Gandhian approach.
3. Economic problems dealing with food security.

Course Contents:

Unit 1:
Economic Planning in India: Planning process in India, Planning approaches in different five year plans, Role of NDC and Planning Commission, NITI Aayog and three years action plan

Unit 2:
Development of Indian Economic Policies: Gandhian approach, Nehruvian approach, LPG, PURA.

Unit 3:
Recent Economic reforms in agricultural and industrial sectors, financial markets and foreign trade

Unit 4:
Policies/Programs dealing with economic problems: Food security, MNREGA, SGRY, VDIS, Demonetization

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Reference Books:

1. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
2. Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy : Inter-State Perspectives, Bookwell, Delhi.
3. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
4. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
5. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep &Deep Publications, New Delhi.:
6. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
7. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar
8. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
9. Jain, A.K. (1986), Economic Planning in India, Ashish Publishing House, New Delhi.
10. Jalan, B. (1992), The Indian Economy — Problems and Prospects, Viking, New Delhi.
11. Jalan,B.(1996),India's Economic Policy—Preparing for the Twenty First Century, Viking, New Delhi.

Course outcomes (COs):

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

CO1	Define the Economic Planning Process in India and five years plans.
CO2	Describe the Indian Economic Policies.
CO3	Explain the recent economic reforms in agricultural and industrial sectors, financial markets.
CO4	Classify the different policies and programmes deal with Economic Problem
CO5	Illustrate the impact of MNREGA, SGRY, VDIS and Demonetization.
CO6	Write about the LPG and PURA.

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Course code	**: MECC-107**				
Course Name	**: SEMINAR**				
Semester /Year	**: I**				
		L	**T**	**P**	**C**
		0	**0**	**2**	**2**

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

Course Objectives:

The objectives of this course are:

1. To facilitate the integration of theoretical and empirical knowledge, encouraging students to connect various concepts of Economics to real world application.
2. To develop their research skills and enhance the ability to present their ideas and findings.
3. Demonstrate skills and competences required for the presentation.
4. Present the ideas in a more coherent and comprehensive manner.

Methodology:

1. Each student will interact with others and study the concepts of his/her own choice related to Economics.
2. The findings will subsequently be presented by the students in the form of a paper for discussion in the seminar.

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Outcomes (COs):

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

CO1	Understand the features of presentation.
CO2	Analyse and appreciate diverse perspectives and contributions
CO3	Identify relevant information, defining and explaining topics under discussion.
CO4	Obtain, select, create and support materials appropriately and can demonstrate insight, independent thought, relevance and persuasiveness.
CO5	Analyze the use of vocabulary; demonstrate command of voice moderation, voice projection and pacing during presentation. Speak cogently with or without notes.
CO6	Use of visual, audio and audio-visual materials to support the presentation.

CO-PO-PSO Mapping

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

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

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SECOND SEMESTER

Course code	**: MECC201**
Course Name	**: Micro Economics-II**
Semester /Year	**: II Semester**

L	T	P	C
3	0	0	3

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

Course Objectives:

The objectives of this course are

1. Understand the distinguish between perfect competition, Monopoly and Monopolistic competition.
2. Make them learn the Pricing and output determination in the different markets, game theory and various strategic decision making.
3. Understand the distribution and interest theory.
4. Gain knowledge about the welfare theory.

Course Contents:

Unit 1:

Perfect competition– Short and long term equilibrium of the firm and industry, Dynamic changes and industry equilibrium. Monopoly – short run and long run equilibrium; Price discrimination; Monopolistic competition - Chamberlin's approach to equilibrium of the firm.

Unit 2:

Pricing and output determination: Duopoly (Cournot model) and Oligopoly (Kinked demand curve model, Cartels and Price leadership); Theory of Games (Zero-sum game, Prisoner's Dilemma).

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Unit 3:

Micro Theories of Distribution: Rent (Ricardian and Modern theories), Wages (Marginal Productivity and Modern Theories), Interest (Neo-classical, Liquidity Preference Theories, IS-LM model).

Unit 4:

Welfare Economics: Concept of social welfare, Pareto optimally criterion and efficiency conditions, Kaldor-Hicks Criterion: Compensation principle, Bergson- Samuelson Social welfare function.

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Reference Books:

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

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Course outcomes (COs):

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

CO1	Define the Theory of game, Different markets and welfare economics.
CO2	Describe the Pricing and output determination in Duopoly and Oligopoly
CO3	Explain about welfare economics and its application in Indian economic policies.
CO4	Compare the different model their pricing and output determination.
CO5	Conclude the role of distribution and interest theories in economy.
CO6	Write about different aspects of markets.

CO-PO-PSO Mapping

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

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

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

Course code	**: MECC202**			
Course Name	**: International Finance and Policy**			
Semester /Year	**: II Semester**			
L	**T**	**P**	**C**	
3	**0**	**0**	**3**	

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

Course Objectives:

The objectives of this course are

1. Broad principles of international trade and balance of payment.
2. Theories to facilitate the Foreign Exchange.
3. International Organizations on the Economy.
4. The EXIM Policy.

Course contents:

Unit 1:

Balance of Trade and Balance of Payments-Meaning, Structure and Components Balance of Payments Disequilibrium. Policies for Internal and External Balance-Fiscal and Monetary Policy under Fixed and Floating Exchange Rates.

Unit 2:

Functions of Foreign Exchange Market- Transfer of Purchasing Power, Provision of Hedging Facilities; Transactions in the Foreign Exchange Market- Spot, Forward and Exchanges, Futures, Arbitrage Determination of Rate of Exchange- Purchasing Power Parity Theory Balance of Payments Theory; Fixed and Flexible Exchange Rates; Current and Capital Account Convertibility.

Unit 3:

International Economic Organizations: International Monetary Fund; World Bank; International Development Association; International Finance Corporation Asian Development Bank.

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Unit 4:

Recent EXIM policy; Role of MNCs in India. WTO provisions: TRIPS, TRIMS, GATS and their impact on the different sectors of Indian Economy.

Reference Books:

1. Aggarwal, M.R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.
2. Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge, University Press, Massachusetts.
3. Brahmananda, P.R. (1982), The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.
4. Carbough, R.J. (1999), International Economics, International Thompson Publishing, New York.
5. Dana, M.S. (2000), International Economics : Study, Guide and Work Book, (5th Edition), Routledge Publishers, London.
6. Dunn, R.M. and J.H. Mutti (2000), International Economics, Routledge, London.
7. Grable, J.O. (1996), International Financial Markets, Prentice Hall, Englewood Cliffs, New York. Kenen, P.B. (1994), The International Economy, Cambridge University Press, London.
8. Kenen, P.B. (1995), Economic and Monetary Union in Europe, Cambridge University Press, UK. Kindleberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.
9. King, P.G. (1995), International Economics and International Economic Policy : A Reader, McGraw Hill International, Singapore.
10. Krugman, P.R. and M. Obstfeld (1994), International Economics : Theory and Policy, Glenview, Foresman.
11. Salvatore,D.(1997),International Economics ,Prentice Hall ,Upper Saddle River, N. J.,New York.
12. Soderston, Bo (1991), International Economics, The Macmillan Press Ltd.,London.
13. Verma, M.L. (1995), International Trade, Vikas Publishing House Pvt. Ltd., Delhi.

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Course outcomes (COs):

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

CO1	Familiar with the concepts of balance of trade, balance of payments and International economic Organisation.
CO2	Describe the International economic Organisation.
CO3	Explain the theory of balance of Payment, policies for internal and external market.
CO4	Conclude the role of Exchange and Foreign exchange market.
CO5	Evaluate the role of WTO, TRIPS, TRIMS, GATS andtheir impact on the different sectors of Indian Economy.
CO6	Write the recent EXIM Policy and role of MNC in India.

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	1	1		1	1	1	1	2	1	1	
CO2	2	2	1		1	1	2		2	1	1	1	1	2	1	1
CO3	2	1	1	1	2	1	1		1		2	1	2	1	2	1
CO4	2	1	1	1	1	2	2		2	1	1	1	1	2	1	1
CO5	2	2	2	1	1	1	1		1		1	2	1	1	1	1
CO6	2	1	1	1	1	1	1		1	1	1	1	1	1	1	1

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

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Course code	**: MECC203**				
Course Name	**: Quantitative Methods and Statistical Analysis**				
Semester /Year	**: II Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To know about the principal results of single and several variable calculations, including calculation of derivatives, partial derivatives of both explicit and implicit functions and solving optimization problems.
2. To understand the statistical methods for research analysis and interpretation.
3. To study about the, critically evaluate and synthesize the substantive theories for creating models for understanding economic behavior.
4. To know about the central tendency and coefficient of correlation.

Course Contents

Unit 1:

Statistics: Meaning, nature, subject-matter and limitations; Role of Statistics in economic analysis; Choice of an appropriate measure of central tendency, dispersion and skewness.

Unit 2:

Correlation: Meaning, Methods for calculating coefficient of simple correlation; Regression: Analysis in case of one explanatory variable only; Association of attributes

Unit 3:

Interpolation and Extrapolation: Binomial, Newton and Lagrange methods; Time Series: Components, Moving average and Least squares methods for calculation of secular trend. Index Numbers: Fisher method, Time Reversal and Factor Reversal Tests.

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Unit 4:

Role of Mathematics in Economic theory and its limitations; Differentiation: Meaning and Rules, Problem of Maxima &Miniminsing and multivariate functions; Matrix: Types, Simple operations on matrices; Determinants: Basic properties of determinants, Solution of simultaneous equations with determinant method.

Reference Books:

1. Allen, R.G.D. (1974), Mathematical Analysis for Economists, Macmillan Press and ELBS, London.
2. Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
3. Gupta, S.C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
4. Handry, A.T. (1999), Operations Research, Prentice Hall of India, New Delhi.
5. Monga, G.S. (1972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
6. Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book Co., London.
7. Taha, H.A. (1997), Operations Research: An Introduction (6th Edition), Prentice Hall of India Pvt. Ltd., New Delhi.
8. Yamane, Taro (1975), Mathematics for Economists, Prentice Hall of India, New Delhi.

Course outcomes (COs):

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

CO1	Define the statistics correlation, regression, time series and index numbers.
CO2	Describe the correlation and regression.
CO3	Explain the time series and index numbers.
CO4	Illustrate the statistics and related concepts, dispersion and skewness.
CO5	Evaluate the role of Mathematics in Economic theory and its Limitations.
CO6	Express the matrix and determinants.

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Course code	**: MECC 204**				
Course Name	**: Macro economics-II**				
Semester /Year	**: II Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To understand the classical and Keynesian policies for growth and stabilization.
2. To make them familiar with inflation and unemployment problems.
3. To know about the IS-LM model, Fiscal and Monetary policy.
4. To understand the Business cycles theory.

Course Contents:

Unit 1:

Classical and Keynesian Macro Economics; Post Keynesian development in Macro Economics: Monetarism; Supply-side Economics; New Classical Economics: The new classical macroeconomic approach; Policy implications of new classical approach – Rational expectations theory.

Unit 2:

Theory of Inflation: Classical, Keynesian and Monetarist approaches to inflation. Philips curve analysis – Short run and long run Philips curve; the nature rate of unemployment hypothesis; Tobin's modified Philips curve and policies to control inflation.

Unit 3:

IS-LM model: The interaction of Real and Monetary sectors of the economy – Keynesian version of the IS-LM model – Neo-classical version of the IS-LM model;

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Fiscal and Monetary Policy analysis in an IS-LM model; Short run and long run Aggregate Supply curve analysis

Unit 4:

Business cycles: Meaning, phases and features; Theories of business cycles: Hawtrey theory, Over-investment theory, Keynes theory, Samuelson model and Hick's theory, Control of business cycles, relative effectiveness of Monetary and fiscal policies Fiscal policy and crowding out.

Reference Books:

1. Ackley,G. (1978), Macroeconomics : Theory and Policy, Macmillan, New York.
2. Blackhouse, R. and A. Salansi (Eds.) (2000), Macroeconomics and the Real World(2 Vols.), Oxford University Press, London.
3. Branson, W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition), Harper andRow, New York.
4. Dornbusch, R. and F. Stanley (1997), Macroeconomics, McGraw Hill, Inc., NewYork Hall, R.E. and J.B. Taylor (1986), Macroeconomics, W.W. Norton, New York.
5. Heijdra, B.J. and V.P. Fredericck (2001), Foundations of Modern Macroeconomics,Oxford University Press, New Delhi.
6. Jha,R.(1991),Contemporary Macroeconomic Theory and Policy, Wiley EasternLtd,New Delhi.
7. Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., NewYork Scarfe, B.L. (1977), Cycles, Growth and Inflation, McGraw Hill, New York.
8. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi.

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References:

1. Ackley G. (1978), Macroeconomics : Theory and Policy, Macmillan, New York.
2. Blackhouse, R. and A. Salanti (Eds.) (2000), Macroeconomics and the RealWorld (2 Vols.), Oxford University Press, London.
3. Branson, W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition),Harper and Row, New York.
4. Dornbusch, R. and F. Stanley (1997), Macroeconomics, McGrawHill. Inc., New York Hall.
5. R.E. and J.B. Taylor (1986), Macroeconomics, W.W. Norton, NewYork.
6. Heijdra, B.J. and V.P. Frederic (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
7. Jha,R.(1991),ContemporaryMacroeconomicTheoryandPolicy,WileyEasternLtd.,New Delhi.
8. Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
9. Scarfe, B.L. (1977), Cycles, Growth and Inflation, McGraw Hill, New York.
10. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications,New Delhi.

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Course outcomes (COs):

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

CO1	Explain the major issues of macroeconomics and national income.
CO2	Describe the theory of Income and employment in Macro Economics.
CO3	Apply the consumption function concept and theory.
CO4	Illustrate the investment functions and multiplier
CO5	Evaluate the macroeconomic equilibrium and AS-AD model.
CO6	Write the interaction of multiplier and accelerator.

CO-PO-PSO Mapping

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

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

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Course code	**: MECC205**				
Course Name	**: Economics of Human Development**				
Semester /Year	**: II Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To interpret the Human development and sustainable development.
2. To understand the demographic trends and issues.
3. To explain the Education trends and strategies.
4. To understand the Health and Development strategies

Course Contents:

Unit 1:

Human Development: Concepts, Millennium Development Goals and human development, Human Development Index, Multidimensional Poverty Index, and Gender related Development Indices. Sustainable development: Goals and strategies

Unit 2:

Human development indicators, Human development in Indian States; Factors responsible for low human development, Demographic trends and issues in context of human development

Unit 3:

Education and human development: Educational profile of India; Relationship between education and development. Trends and pattern of education financing in the Five - Year Plans. Sources; Strategies for improving education and employment.

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Unit 4:

Health and human Development: Population, health and development; National Family Health Survey (NFHS-4), 2018-19: Major findings-key indicators, Reproductive health and health care in India, National Rural Health Mission.

Reference books:

1. Anil B. Deolalikar, (2005), Attaining Millennium Development Goals in India, Oxford.
2. B.G.Tilak, (2007) Women's Education and Development, Gyan Pub, House New Delhi.
3. Berman,P. Health Sector Reform in Developing Countries: Making Health Development Sustainable.
4. BrunsBarabara, and Rakotomalala (2005)Achieving Universal Primary Education By2015, Manas Publication New Delhi.
5. Cohn E. and T Gaske(1989) Economics of education, Pergamon press London.
6. Daniel Muijs, (2004), Quantitative Research In Education With SPSS, Sage New Delhi.
7. Govined R (2002) India Education Report, Oxford University Press, New Delhi.
8. National Council of Applied Economic Research, North India Human Development Report, Oxford New Delhi.
9. Govinda, (2002) India Education Report, Oxford University Press, New Delhi.
10. Mehrotra, P. R. Panchamukhi and R. Srivastava (2004), Universalizing Elementary Education, Oxford University press, New Delhi.
11. Schultz T.W. (1961), Investment in Human Capital, American Economic Review.
12. SenAmartya and Dreze Jean (2003) India Development and Participation, Oxford.
13. Solow, Robert M. (1956),A Contribution to the theory of Economic Growth UNDP, Human Development Reports, various issues.
14. World Bank, (2003), India Sustaining Reform Reducing Poverty, Oxford. New Delhi.
15. World Bank, World Development Report, various issues.

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Course outcomes (COs):

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

CO1	Describe the concepts and indicators of Human Development.
CO2	Understand the human development of sustainable development goal and strategies index.
CO3	Illustrate Trends, pattern of education, financing in the five year plans and sources.
CO4	Analyse the strategies for improving education and employment.
CO5	Evaluate the major indicators of latest (NFHS-4).
CO6	Write about the various Human Development indicators.

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	1	2		1	2	1	1	2	2	1	1
CO2	2	2	1	1	1	1	1		1	1		2	2	2	2	
CO3	2	2	1	1	1	1	1		1	1		1	2	2	1	1
CO4	2	2	1	1	1	1	1		2	1	1	2	2	2	2	1
CO5	1	2	2	1	1	1	1		1	1		1	1	2	1	2
CO6	2	1	1	1	1	1	1		1	1	1	1	1	2	1	1

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

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Course code	**: MECC206**				
Course Name	**: Research Methodology**				
Semester /Year	**: II Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To learn about the research meaning and sampling method.
2. To understand the method of collecting data.
3. To explain the statistical method and Hypothesis.
4. To understand the Data processing and report writing.

Course Contents:

Unit 1:

Research: Meaning, Objectives, Importance and Types; Research process; Research Problem, Research Design and Sampling Design; Sampling Methods.

Unit 2:

Methods for collection of Primary Data; Sources of Secondary Data; Drafting of Questionnaires and Schedules; Measurement and Scaling.

Unit 3:

Hypothesis: Meaning, Formulation and Testing; Z, t, F and Chi-square tests.

Unit 4:

Data Processing, Interpretation and Report writing, Basic use of computers in Research.

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Reference Books:

1. Business Research Methods, Donald R Cooper, McGraw Hill, New Delhi.
2. Research Methodology, Cauvery.R, SudhanayakU.K, Girija.M and Meenakshi.R, S.Chand& Company Ltd, New Delhi.
3. Research Methodology: Methods and Techniques, C.R. Kothari, New Age International, New Delhi
4. Statistical Methods, 2004, S.P. Gupta, S.Chand publication, New Delhi.
5. Statistical Methods, D.R. S.P. Gupta, Sultan Chand & Sons, New Delhi
6. Statistics for Management, Levin and Rubin, Asian Publishing House, New Delhi.

Course outcomes (COs):

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

CO1	Define the appropriate research designs in carrying out research.
CO2	Describe systematic collection of data.
CO3	Demonstrate knowledge about scientific inquiry in social science research.
CO4	Illustrate data using different methods and analyze them for inference.
CO5	Decide the appropriate use of computer for research work.
CO6	Plan Hypothesis formulation and testing using tools like z, f, chi-square and t test

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CO-PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	POS1	PSO2	PSO3	PSO4
CO1	2	3	2	1	1	1	2		2	3	3	1	1	1	2	
CO2	2	2	2	2	1	1	2		1	2	2	2	1	1	1	
CO3	2	2	2	1	2	2	1		2	1	3	1	1	1	2	
CO4	2	2	2	2	1	1	2		1	2	1	2	1	1	1	
CO5	2	2	2	1	2	2	2		1	2	2	1	2	1	2	
CO6	2	2	2	1	1	1	1		1	1	1	1	1	1	1	

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

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Course code	**: MECP-207**				
Course Name	**: SEMINAR**				
Semester /Year	**: II**				
		L	**T**	**P**	**C**
		0	**0**	**2**	**2**

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

Course Objectives: The objectives of this course are

1. To facilitate the integration of theoretical and empirical knowledge, encouraging students to connect various concepts of Economics to real world application.
2. To develop their research skills and enhance the ability to present their ideas and findings.
3. Demonstrate skills and competences required for the presentation.
4. Present the ideas in a more coherent and comprehensive manner.

Methodology:

1. Each student will interact with others and study the concepts of his/her own choice related to Economics.
2. The findings will subsequently be presented by the students in the form of a paper for discussion in the seminar.

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Course outcomes (COs):

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

CO1	Understand the features of presentation.
CO2	Analyse and appreciate diverse perspectives and contributions
CO3	Identify relevant information, defining and explaining topics under discussion.
CO4	Obtain, select, create and support materials appropriately and can demonstrate insight, independent thought, relevance and persuasiveness.
CO5	Analyze the use of vocabulary; demonstrate command of voice moderation, voice projection and pacing during presentation. Speak cogently with or without notes.
CO6	Use of visual, audio and audio-visual materials to support the presentation.

CO-PO-PSO Mapping

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

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

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THIRD SEMESTER

Course code	**: MECC301**				
Course Name	**: Public Finance**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To acquaint the students with the role of government in the different economy and problems of externalities.
2. To know about the Public expenditure and public Budget.
3. To understand the concept of taxation and its effect on the economy.
4. To explain the concept of Public Debts.

Course Contents:

Unit 1:

Role of Government in the Economy: Economic Rationale of Mixed Economy; Role of Government in a State; Efficiency, markets and Governments; Market Failure and the rationale for Government Intervention; Natural Monopolies and Market Failure; Asymmetric Information The Problem of Externalities.

Unit 2:

Public Expenditure: Kinds, Canons ; Wagner's law of increasing state activities, Role of public expenditure in developing countries, Effects of public expenditure on production. Public Budget: kinds of budget, PPBS, ZBB Balanced budget; different concepts of budget deficits.

Unit 3:

Taxation: Canons of taxation; Division of Tax Burden, Tax Shifting: The Concentration theory, Diffusion theory, Demand and supply theory; double taxation; Effects of taxation on production, growth, supply of resources; taxation and distribution.

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Unit-4:

Public Debt: Objectives and Sources of Public Debt; Classification and Effects of Public Debt, Public Debt and Economic Growth, Public Debt and Inflation, Burden of Public Debt; Debt Redemption: Principles of debt management and repayment; Crowding out of private investment.

Reference Books:

1. Atkinson, A.B. and J.E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York.
2. Auerbach, A.J. and M. Feldstern (Eds.) (1985), Handbook of Public Economics, Vol. I, North Holland, Amsterdam.
3. Bhargava, P.K. (1976), Taxation of Agriculture in India, Vora and Co. Bombay.
4. Bhargava, P.K. (1984), Some Aspects of Indian Public Finances, Uppal Publishing House, New Delhi.
5. Bhargava, P.K. (1991), India's Fiscal Crisis, Ashish Publishing House, New Delhi.
6. Buchanan, J.M. (1970), The Public Finances, Richard D. Irwin, Homewood.
7. Chelliah, R.J. (Ed.) (1997), Towards Sustainable Growth, Oxford University Press, New Delhi.
8. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications,New Delhi.
9. Gandhi, V.P. (1970), Some Aspects of India's Tax Structure, Vora and Company, Bombay.
10. Goode, R. (1986), Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
11. Menutt, P. (1996), The Economics of Public Choice, Edward Elgar, U.K.
12. Mundle, S. (1999), Public Finance Policy: Issues for India, Oxford University Press, New Delhi.
13. Musgrave, R.A. (1959), The Theory of Public Finance, McGraw Hill, Kogakhusa, Tokyo.
14. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
15. Shome, P. (Ed.) (1995), Tax Policy: Handbook, Tax Division, Fiscal Affairs Department, International Monetary Fund, Washington D.C.

Course outcomes (COs):

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

CO1	Describe the different concepts of public finance debt, expenditure and Budget.
CO2	Understand Public Expenditure and Canons of taxation.
CO3	Explain market and different types of budget.
CO4	Classify the Tax System and its effects.
CO5	Evaluate the role of Government in the Economy
CO6	Write the relationship between Public Debt and Inflation

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Course code	**: MECC 302**				
Course Name	**: Demography-I**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To understand the meaning and different theories of demography.
2. To know about the different methodology of demography.
3. To make them familiar with the concept of migration and socioeconomic consequences of migration.
4. To understand the linkage between population, economy and environment.

Course Contents:

Unit 1:

Demography: Meaning and Scope of the study; Theories of population: Malthusian theory, Optimum theory, Theory of demographic transition.

Unit 2:

Methodology of Demographic Research: Vital Statistics, Gross reproduction rate and net reproduction, Measures of Mortality, Concept and Use of Life Table, Total fertility rate; Factors affecting fertility.

Unit 3:

Migration: International and Internal Migration, Economic and Social Consequences of Migration, Factors affecting migration; Urbanization: Growth and distribution of rural- urban population.

Unit 4:

Population Growth and Economic Development: Population, economy and environment linkages, Population, health, nutrition, productivity nexus; Control of Population, Population and human development issues.

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Reference Books:

1. Agarwal S.N. (1972), India's Population Problem, Tata McGraw-Hill Co., Bombay. Bogue, D.J. (1971), Principles of Demography, John Wiley, New York
2. Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
3. Chenery H. and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam
4. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
5. Coale A.J. and E.M. Hoover (1958), Population Growth and Economic Development in
6. Gulati, S.C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi. Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
8. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
9. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
10. Sryrock, H. et. al (1973), The Methods and Materials of Demography, US Department of Commerce, Washington, D.C.

Course outcomes (COs):

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

CO1	Define the meaning and different concept of Demography.
CO2	Understand the concept of migration, factors affecting migration and different theories of demographic.
CO3	Explain the Methodology of Demographic Research.
CO4	Illustrate the relation between population growth and economic Development
CO5	Evaluate population and human development related issues.
CO6	Write the growth and distribution of rural- urban population.

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Course code	**: MECC303**				
Course Name	**: Economics of Growth And Development**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To know the meaning, concept and dimensions of economic development.
2. To study the different theories of economic development.
3. To understand the Different Growth Models.
4. To again knowledge about the sectoral aspects of development.

Course Contents:

Unit 1:

Economic Growth and Development: Meaning, Concept and dimensions; Determinants of economic growth; Obstacles in development. Measuring Development: Income Measures, Basic Needs Approach, PQLI, HDI and Capabilities Approach; Goulet's core values of development **Unit**

Unit 2:

Theories of Development: Contributions of Adam Smith, Ricardo, Karl Marx and Schumpeter, Rostow's Theory of Stage of Economic Growth, Nurkse's theory

Unit 3:

Growth Models Harrod and Domar: Instability of equilibrium; Neo Classical Growth Models: Solow and Meade; Growth Models of Joan Robinson, Kaldor and Pasinetti.

Unit 4:

Sectoral Aspects of development: Role of agriculture, industry and foreign trade in economic development; Role of Monetary, Fiscal and Price policies in economic development. Strategies for development: Balanced versus unbalanced growth and Capital- intensive versus Labour-intensives Strategies

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Reference Books:

1. Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
2. Behrman,S.andT.N.Srinivasan(1995),HandbookofDevelopmentEconomics,Vol.3,Elsevier, Amsterdam.
3. Brown, M. (1966), On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge,Mass
4. Chenery,H.andT.N.Srinivasan(Eds.)(1989),Handbook of Development Economics,Vols.1& 2, Elsevier,Amsterdam.
5. Chenery, H.B. et. al. (Eds.) (1974), Redistribution with Growth, Oxford University Press, Oxford.
6. Dasgupta, P. (1993), An Enquiry into Well-being and Destitution, Clarendon Press, Oxford.
7. Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
8. Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development, (3rd Edition), W.W. Norton, New York.
9. Hogendorn, J. (1996), Economic Development, Addison, Wesley, New York.
10. Kahkonon, S. and M. Olson (2000), A New Institutional Approach to Economic Development, Vistaar.
11. Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York. 12.Todaro, M.P. (1971), Development Planning : Models and Methods, Oxford University Press,Oxford.

Course outcomes (COs):

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

CO1	Describe the concept approach, different dimensions of economic growth and development
CO2	Understand various models of economic growth.
CO3	Explain different theories of Development
CO4	Analyze the monetary and fiscal policy.
CO5	Distinguish between balanced verus unbalanced growth and capital intensive versus labour intensive strategies.
CO6	Write the role of agriculture, industry and foreign trade in economic development

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Course code	**: MECE304(Elective)**				
Course Name	**: Agricultural Economics-I**				
Semester /Year	**: III Semester**				
	L	**T**	**P**	**C**	
	3	**0**	**0**	**3**	

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

Course Objectives:

The objectives of this course are

1. To understand the concept of Agricultural Economics and its role in Economic development.
2. To make them familiar with the growth of agriculture under plans and the land reforms.
3. To study the achievements, failure of green revolution and use of technology for sustainable agriculture.
4. To analyse the Problems and solutions of the food security system in India.

Course contents:

Unit 1:

Agricultural Economics: Nature and Scope; Role of Agriculture in Economic Development; Problems of transforming traditional agricultural; Organic farming: status &Future scope.

Unit 2:

Agriculture Growth under the Plans: Overall trends and Inter-regional Variations; Land Reforms: Measures and their progress.

Unit 3:

Green Revolution: Achievements and failures; Agriculture Development and Technological Progress: Indigenous and Bio-Technological Practices for Sustainable Agriculture.

Unit 4:

Food Security in India: Problems and solutions, Public Distribution system in India.

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Reference Book:

1. Drummond, HE and Goodwin,JW.,AgriculturalEconomics,StandardBookDistributingHouse, 2004.
2. Eicher, Carl and Lawrence Witt, Agriculture in Economic Development, McGraw Hill Book Company, 1964.
3. Khusro, A. M., Readings in Agricultural Development, New Delhi: Allied Publishers Pvt. Ltd.
4. Mellor W. Holm, The Economics of Agricultural Development, Mumbai: Vora and Co Publishers PVt. Ltd.
5. Ruddar Datt, K.P.M. Sundharam, 2008, Indian Economy, S.Chand publication, New Delhi.
6. Rudra Ashok, Indian Agricultural Economics: Myths and Realities, New Delhi.

Course outcomes (COs):

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

CO1	Describe the nature and scope of Agricultural Economics.
CO2	Interpret the trends of agriculture growth.
CO3	Explain the Green Revolution Achievements and failures.
CO4	Classify the Problems and solutions of Public Distribution system in India.
CO5	Express the Organic farming its status and future scope.
CO6	Write the various land reforms and their progress.

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	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO 4
CO1	2	2	1	1	1	1		1	2	1		1	2	1		1
CO2	2	2	1	1		1		2	1	1		1	2	2		1
CO3	2	2	1	1		1		1	2	1			2	1		1
CO4	2	2	2	1		1	1	1	1	1		1	2	2		1
CO5	2	2	1	1		1			1	1			2	2		1
CO6	2	2	1	1					1	1		1	2	1		1

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

Scanned with OKEN Scanner

Course code	**: MECE305(Elective)**				
Course Name	**: Labour Economics-I**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To understand the concept of Indian Labour Market.
2. To study the concept of wage determination, theories and policies.
3. To know about the concept of employment and unemployment in developing countries.
4. To make them familiar with trade unions.

Course Contents:

Unit 1:

Labour Economics: Nature, scope and importance; Indian Labour Market: Meaning, Characteristics of Organised and unorganized labour in Indian Economy.

Unit 2:

Wage determination: Marginal Productivity Theory, Theory of Collective Bargaining, Concept of Minimum Wage and Fair Wage, Wage Policy in India, Wage differentials; Wages Act, 1936, Wage Act 1948 – Bonus and fringe benefits Payments of Bonus Act 1965 and Amendments.

Unit 3:

Employment and development relationship: Poverty and unemployment in developing countries; Unemployment — Concept and Types; Analysis of educated unemployment; Impact of rationalization, technological change and modernization on employment.

Unit 4:

Trade Unions: Introduction, Nature, Characteristics, functions and Growth Achievement Trade Unions. Obstacles and weakness in the growth of trade unions movement in India.

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Reference Books:

1. Datt, G. (1996), Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India, Sage Publications, New Delhi.
2. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
3. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000), The UnorganisedSector : Work Security and Social Protection, Sage Publications, New Delhi.
4. Lester, R.A. (1964), Economics of Labour, (2nd Edition), Macmillan, New York.
5. McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.
6. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
7. RuddarDatt, K.P.M. Sundharam, 2008, Indian Economy, S.Chand publication, New Delhi.
8. VenkataRatnam,C.S.(2001),GlobalizationandLabour-ManagementRelations:DynamicsofChange, Sage Publications/Response Books, New Delhi.

Course outcomes (COs):

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

CO1	Define the Nature, scope and importance of Indian Labour Market.
CO2	Describe the Nature, Characteristics, functions and Growth achievement of Trade Unions.
CO3	Determine the relationship between Employment and development.
CO4	Analyze the Wage determination theory and policies.
CO5	Evaluate the different Wage Act and Amendments.
CO6	Plan various remedial for the problems related to growth of labour and proper functioning of trade unions

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	1	1		2	1	1	1	1	1		1
CO2	2	2	1	1	1	1	1		1	2		1	2	1		1
CO3	2	1	1	1	1	2	1		2	2	2	1	2	1	1	1
CO4	2	2	1	1	1	1	1		1	1		1	2	1		1
CO5	2	2	1	1		1	2		1	1	1	1	1	2		2
CO6	2	2	1	1	1	2	2		2	1		1	1	2		2

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

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

Course code	**: MECE306(Elective)**				
Course Name	**: Industrial Economics**				
Semester /Year	**: III Semester**				
	L	**T**	**P**	**C**	
	3	**0**	**0**	**3**	

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

Course Objectives:

The objectives of this course are

1. To study the industrial structure in Indian economy.
2. To understand the determinants influence the industrial sector and role of government in it.
3. To study the concept of industrial finance and role as well as function of Indian foreign capital.
4. To interpret the Industrial development and policies in India

Course Contents:

Unit-1: Industrial Economics: Meaning, Scope, need & Significance of the Study, Industrial Structure: Private sector versus Public sector industries; Large, Medium, Small-scale and cottage.

Unit-2:

Determinants of Industrial Location: Technical, economic, infrastructural and other factors; Factors Influencing Location of Industries; Development of Backward Regions: Government Policy and approach for the development of backward regions.

Unit3:

Industrial Finance: Meaning, Scope and Importance; Sources of Short term and long term Industrial Finance; Industrial Financial Institutions: Role and functioning in India Foreign capital.

Unit-4:

Industrial development and policies in India: Brief Outline of Industrial Policies 1991; Trends in Industrial Growth after 1991, Salient features of New Industrial Policy 2020-2025, Role of MNC,s in India Make in India' policy. Determinants of industrial disputes. Steps to achieve industrial peace.

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Reference Books:

1. Ahluwalia, I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwal, R.R. (1985), Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. Cherunilam, F. (1994), Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
4. Desai,B.(1999),IndustrialEconomyinIndia(3rdEdition),HimalayaPublishingHouse,Mumbai.
5. Divine, P.J. and R.M. Jones et. al. (1976), An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
6. Government of India, Economic Survey (Annual).
7. Hay, D. and D.J. Morris (1979), Industrial Economics : Theory and Evidence, Oxford University Press, New Delhi.
8. Kuchhal, S.C. (1980), Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad.
9. Reserve Bank of India, Report on Currency and Finance (Annual).
10. Singh, A. and A.N. Sadhu (1988), Industrial Economics, Himalaya Publishing House, Bombay.

Course outcomes (COs):

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

CO1	Identify the Industrial economics concept, determination of industrial location, Industrial finance and industrial development policy in India.
CO2	Understand the industrial structure, factor influencing location of industries, Government policies, and approach of development for backward region.
CO3	Explain the Industrial Finance, Financial Institutions role functions and industrial Development and policy in India.
CO4	Analyze the private, public sector industries and industrial policies.
CO5	Evaluate the New industrial policy role of MNC and Industrial institutions.
CO6	Write about the infrastructural, other factors and industrial policy 1991.

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Course code	**: MECE307(Elective)**				
Course Name	**: Regional Economics**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To understand the concept and different theories of regional development and planning
2. To explain the economic development and regional disparities
3. To know the salient features of Uttarakhand economy.
4. To learn about the demography and Panchayati System of Uttarakhand

Course Contents:

Unit 1:

Regional Economics: Concept, definition, scope and importance; Theories of regional development and planning.

Unit 2:

Economic development and regional disparities; Indicators of regional disparities, Backwardness and regional imbalances in India. Causes of Regional disparities in India. Benefits of regional economic integration.

Unit 3:

Economy of Uttarakhand: Salient features- Geographical features, Land types, Land use, Forest resources and Energy resources; Agriculture and Industrial pattern in Uttarakhand; Tourism in Uttarakhand economy.

Unit 4:

Human resource in Uttarakhand: Demographic profile, Education, Health and other infrastructural facilities, Poverty in Uttarakhand; Panchayati Raj and people participation.

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Reference Books:

1. Bal Krishan: Regional Planning
2. Dewan M.L and JagdishBahadur: Uttaranchal vision and Action programme. 3.G.P Mishra: Regional Dimensions of development
4. L. Needlemand: Regional Development.
5. Planning commission, Govt. of India, Five year plans
6. Sati, M.C: Diversity and Development of Himalayan Economy Tolia, R.S: Uttarakhand Today.
7. Winsar publication: Uttarakhand year book (Hindi and English)

Course outcomes (COs):

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

CO1	Remember Regional Economics Concept, definition, scope importance, Economic development, regional disparities ,Economy of Uttarakhand and Human resource inUttarakhand.
CO2	Describe the Theories of regional development planning, regional disparities, Agriculture, Industrial pattern in Uttarakhand and Tourism in . Uttarakhand economy.
CO3	Explain the Demographic profile, Health and other infrastructural facilities Poverty and Geographical features of Uttarakhand Economy.
CO4	Classify the regional economic issues and methods of analysis.
CO5	Evaluate the Economic development and regional disparities in the Economy.
CO6	List the human resource Panchayati Raj and people participation in Uttarakhand.

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Course code	**: MECE308(Elective)**			
Course Name	**: Economics Of Rural Development**			
Semester /Year	**: III Semester**			
	L	**T**	**P**	**C**
	3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To study about the concept of rural development in India.
2. To gain knowledge about the dimensions of rural development, agrarian reforms and infrastructural development.
3. To analyze the Rural problems in India
4. To learn about the Programmes in India for welfare of rural development.

Course Contents:

Unit 1:

Rural development: Nature and structure of rural sector in India, Meaning, need and basic principles of rural development.

Unit 2:

Dimensions of rural development in India: Growth of Agriculture; Agrarian reforms, Infrastructural development.

Unit 3:

Rural problems in India: Nature, magnitude, causes and remedies of Poverty, Unemployment and Indebtedness; Problems of Farm and Non-farm Rural employment; Programmes in India for welfareof rural and farm labour.

Unit 4:

Rural development programmes in India: Objectives, basic features and assessment of current programmes.

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Reference Books:

1. Datt ,Sundaram - Indian Economy , S.Chand and Company, New Delhi.
2. Desai, Vasant - Study of Rural Economics, Himalaya Publishing Company, New Delhi.
3. Gagam Kumar Singh - Administration for Rural Development Programme in India ,Abhijeet Publications, New Delhi.
4. Government of India – Evolution of Community Development Programme in India.
5. Government of India, Ministryof Finance, Economic Division Economic Survey- Various Issues. Jain P.C. – Agricultural Reforms in India.
6. Jain S.P. – Indian Rural Economics Vikas, New Delhi.
7. KanakKantiBagchi – Employment and Poverty Alleviation ProgrammesinIndia – An Appraisal (2 vols) Abhijeet Publications, New Delhi.
8. Mishra Puri – Indian Economy, Himayala Publishing House, Mumbai.
9. SanatanNayak – Irrigation and Economic Development, Abhijeet Publications, NewDelhi.
10. Shakuntala Devi – Rural Credit and Agricultural Development, Scrap & Sons, New Delhi 1996.
11. Statistics on Indian Economy - Various Issue – R.B.I. (Mumbai)

Course outcomes (COs):

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

CO1	Describe the basic concepts of Rural Development, Dimensions of rural development, Rural problems and Rural development programmes in India.
CO2	Interpret the Nature, structure of rural sector in India Agrarian reforms, and Infrastructural development.
CO3	Explain the Nature, magnitude, causes and remedies of Poverty, Unemployment and Indebtedness.
CO4	Classify rural development programmes in India.
CO5	Distinguish the problems of farm and non-farm rural employment.
CO6	Write the Objectives, basic features and the current programmes of rural development.

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Course code	**: MECE309(Elective)**				
Course Name	**: Econometrics-I**				
Semester /Year	**: III Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. To know about the Econometrics relation between economics, and mathematics.
2. To understand about the meaning, cause and effects specification bias variables.
3. To gain knowledge about the Problem of Identification and Equations in a model.
4. To understand about the linear regression model.

Course Contents:

Unit 1:

Econometrics: Nature and Scope; Relationship among Economics, Mathematics and Econometrics; Economic model versus Econometric model; Conceptual Analysis: Endogenous, Exogenous and Lagged Variables; Single equation versus Simultaneous Equation Models; Cross-section, Time-series and Panel data.

Unit 2

Specification bias: Meaning, causes, effects; Measurement Errors; Concepts of Dummy and Proxy variables.

Unit 3:

Problem of Identification: Rank and Order conditions. Equations in a model: Structural, Reduced and Final forms.

Unit 4:

Linear regression model: OLS method and its assumptions; Estimation of parameters through OLS in case of maximum two explanatory variables, Linearity of the Regression model, full Rank and the translog model.

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Reference Books:

1. Amemiya, T. (1985). Advanced Econometrics, Harvard University Press, Cambridge.
2. Maddala, G.S. (1992). Econometrics, Springer, New York.
3. Dougherty, C. (2002). Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998). Introductory Econometrics, Harvard University Press, Cambridge.
5. Gujarati, D.N. (2003). Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill, R. C., Griffiths, W.E. & Judge, G.G. (1997). Undergraduate Econometrics, Wiley, New York.
7. Kennedy, P. (1998). A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Koutsoyiannis, A. (1977). Theory of Econometrics (Reprint Edition), University of Michigan Press, New York.
9. Koutsoyiannis, A. (1977). Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
10. Krishna, K.L. (Ed.) (1997). Econometric Applications in India, Oxford University Press, New Delhi.

Course outcomes (COs):

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

CO1	Define the concept of Econometrics, Specification bias, Problem of identification and Linear regression model.
CO2	Explain the Economic model versus Econometric model, Simultaneous Equation Models and specification bias.
CO3	Demonstration the Equations in a model and Problem of Identification
CO4	Illustrate the linear regression model, full rank and translog.
CO5	Evaluate the Measurement Errors Concepts of Dummy and Proxy variables.
CO6	Write about the OLS method.

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Course code	**: MECE310 (Elective)**
Course Name	**: Financial Institutions And Markets**
Semester /Year	**: III Semester**

L	T	P	C
3	0	0	3

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

Course Objectives:

The objectives of this course are

1. To know about the Money and financial system in India.
2. To understand the working concept and role of Non-bank financial institution.
3. To study the Role and structure of Money and Capital markets.
4. To understand the concept of International financial system and Reforms in International monetary system for developing countries.

Course Contents:

Unit 1:

Money and finance: The structure of the financial system, Functions of the financial sector, Indicators of ncial development, Financial System and Economic Development.

Unit 2:

Non-bank financial institution: Definition, Types, their growth and impact on India's economic development, Measures taken to control their operations.

Unit 3:

Money and Capital markets: Role and structure, Call money market, Treasury bill market, Commercial bill market including commercial paper, Government securities market, Primary and secondary market for securities; SEBI, IRDA.

Unit 4:

International financial system: Lending operations of IMF, World Bank and its affiliates- IDA and IFC; Current issues; Reforms in International monetary system for developing countries; Growth of Regional financial institutions - Asian Development bank and its lending activities; Euro-dollar and Euro-Currency markets.

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Reference Books:

1. Bhole, L.M. (1999), Financial Institutions and Markets, Tata McGraw Hill Company Ltd., New Delhi.
2. Bhole, L.M. (2000), Indian Financial System, Chugh Publications, Allahabad.
3. Edminster, R.O. (1986), Financial Institutions, Markets and Management, McGraw Hill, New York.
4. Goldsmith, R.W. (1969), Financial Structure and Development, Yale, London.
5. Hanson,J.A.andS.Kathuria(Eds.)(1999),India:AFinancialSectorfortheTwenty-firstCentury, Oxford University Press, NewDelhi.
6. Harker, P.T. and S.A. Zenios (2000) (Ed.), Performance of Financial Institutions, Cambridge University Press, Cambridge.
7. Johnson, H.J. (1993), Financial Institutions and Markets, McGraw Hill, New York.
8. Khan, M.Y. (1996), Indian Financial System, Tata McGraw Hill, New Delhi.
9. Machiraju, M.R. (1999), Indian Financial Systems, Vikas Publishing House, New Delhi.
10. Ohlson,J.A.(1987),TheTheoryofFinancialMarketsandInstitution,NorthHolland,Amsterdam.
11. Prasad, K.N. (2001), Development of India's Financial System, Sarup& Sons, NewDelhi.
12. Robinson, R.I. and D. Wrightman (1981), Financial Markets, McGraw Hill, London

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Course outcomes (COs):

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

CO1	Define Money finance, Non-bank financial institution, Capital markets and International financial system.
CO2	Describe the financial sector and Non-bank financial institution.
CO3	Explain the Capital markets financial markets (Call money market, Treasury bill market, Commercial bill market including commercial paper).
CO4	Classify the functions of financial intermediation and financial system.
CO5	Evaluate the functioning of various international financial agencies
CO6	Express the idea about the Euro currency market and Euro Dollar market

CO- PO-PSO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO 4
CO1	2	2	1	1	1	1	1		2	1	1		1		1	
CO2	3	2	1	2	1	2	1		3	1	1	1	1		2	
CO3	2	2	1	1	1	1	1		2	1	2	2	1		1	
CO4	2	2	2	2	1	2	1		2	1	2	1	1		1	
CO5	2	1	1	2			2		1	1	1	2	1		2	
CO6	2	1	1	1			1		1	2	1		2		1	

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

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Course code	**: MECE311 (Elective)**			
Course Name	**: Computer Applications In Economics**			
Semester /Year	**: III Semester**			
L	**T**	**P**	**C**	
3	0	0	3	

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

Course Objectives:

The objectives of this course are

1. To study the computer system and data processing.
2. To know about the statistical techniques and methods.
3. To explain the IT application.

Course Contents:

Unit 1:
Introduction to Computer System and Data Processing Operating system – Input-output - Computer networking and resource sharing, hardware, software and firmware. Concept of data, record and file – Types of data and data structures, data analysis - Data storage and retrieval – Database: concepts and operation on database.

Unit 2:
Statistical Processing: Techniques and Methods Series, groups, tables, graphs and objects – Time and frequency series – Regression methods and techniques – Regression analysis.

Unit 3:
IT Application to Finance Online banking – Electronic trading – Data sharing and decimation – Electronic transaction - Document delivery – Authentication and validation transaction processing. IT Application to Commerce Electronic trading and marketing – On line shopping and malls - Document and transaction security and digital signature.

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Reference Books:

1. Rajaraman, V., Fundamentals of Computer, Prentice Hall of India, New Delhi, 1996. 48
2. Lipschultz, M. M. and S. Lipschultz, Theory and Problem of Data Processing, Schaum's Outline Series, McGraw Hill, New York, 1982.
3. Levin, R. I. and C. A. Kirkpatrick, Quantitative Approaches to Management (3rd Edition), McGraw Hill, 1975.
4. Intrilligator, M. D., Econometric Models, Techniques and Applications, Prentice Hall, Englewood Cliffs, N J, 1978. 5. Sinha, P. K., Computer Fundamentals, BPB Publications, New Delhi, 1992.

Course outcomes (COs):

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

CO1	Inculcate the knowledge of word processing to produce professional- looking documents, IT Application Statistical Processing and Types of data.
CO2	Understand Statistical Processing Techniques and Methods Series.
CO3	Demonstrate the usage of computers and how computers are essential components in learning, business and society.
CO4	Analyze the IT application in financial online banking And other fields
CO5	Evaluate the knowledge of data and its related handling
CO6	Express the frequency series and regression analysis

CO-PO-PSO Mapping

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

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

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

Course code : MECP-312				
Course Name : SEMINAR				
Semester /Year : III				
	L	**T**	**P**	**C**
	0	**0**	**2**	**2**

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

Course Objectives: The objectives of this course are

1. Demonstrate skills and competences requires for the presentation.
2. Present their ideas in a more coherent and comprehensive manner.
3. State and explain the knowledge related to presentations.

Methodology

1. To facilitate the integration of theoretical knowledge, encouraging students to connect various concepts of Economics.
2. To develop their research skills and enhance the ability to present their ideas and findings.

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Course outcomes (COs):

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

CO1	Understand the features of presentation.
CO2	Analyse and appreciate diverse perspectives and contributions
CO3	Identify relevant information, defining and explaining topics under discussion.
CO4	Obtain, select, create and support materials appropriately and can demonstrate insight, independent thought, relevance and persuasiveness.
CO5	Analyze the use of vocabulary; demonstrate command of voice moderation, voice projection and pacing during presentation. Speak cogently with or without notes.
CO6	Use of visual, audio and audio-visual materials to support the presentation.

-PO-PSO Mapping

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

ghest Correlated, 2: Medium Correlated, 1: Lowest Correlated

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FOURTH SEMESTER

Course code	**: MECC-401**				
Course Name	**: Indian Public Finance**				
Semester /Year	**: IV Semester**				
		L	**T**	**P**	**C**
		3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. Principles of Taxation.
2. Different aspects of Debt in India.
3. Different aspects of center and state budget
4. Fiscal federalism and Local finance in India.

Course Contents:

Unit 1:

Approaches to taxation: micro analysis of direct and indirect taxes; individual income tax, corporation income tax, sales tax including value-added tax and expenditure tax. Incidence of taxes; nature of tax burden and principles of tax incidence. Theories and measures of tax incidence. Effects of taxes on work efforts, savings, investment, and growth. Trade-off between equity and efficiency. Taxable capacity.

Unit 2:

Trends in public expenditure: Principle of Expenditure, Central and State Governments' Debt in India: Trends, Composition, Causes of Increase of debt in India, Fiscal sector reforms in India, Fiscal sector reforms in India. Recommendation of Kelkar Committee and Chelliah Committee

Unit-3:

Central and State government budgets: Meaning of budget, types of budget, Analysis of recent two years' budgets of India and Uttarakhand

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Unit-4:

Fiscal federalism in India: Centre-State financial relations in India; Problems of states' resources and indebtedness; Resource transfer from Union to States: Criteria for transfer of resources, State finance, Local finance; Structure and Functioning of Finance Commission, Recommendations of recent 13th Finance Commission.

Reference Books:

1. Ashutosh Raravikar, Fiscal Deficit and Inflation in India, Macmillan India Ltd. New Delhi.
2. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
3. Gandhi, V.P. (1970), Some Aspects of India's Tax Structure, Vora and Company, Bombay.
4. Government of India (1992), Reports of the Tax Reforms Committee - Interim and Final (Chairman : Raja J. Chelliah).
5. Joshi P.L. Zero Base Budgeting Technology in Government, Dhruv and DeepBooks, Bombay.
6. Srivastava, D.K. (Ed.) (2000), Fiscal Federalism in India, Har-AnandPublications Ltd., New Delhi.
7. Mithani D.M. Principles of Public Finance and Fiscal Policy HimalayaPublishing House, New Delhi.
8. Ruddar Datt and K.P.M. Sundharam (2008), Indian Economy, S.C. Chand andCompany Ltd, New Delhi.

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Course outcomes (COs):

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

CO1	Define the concepts of public finance taxes, public expenditure, budget and public debt.
CO2	Understand the approaches of taxation, incidence of taxes and different effects of taxes. Financial commission and the functions of the commission
CO3	Explain the financial commission and its functions, role and revenue for the local, state and union.
CO4	Illustrate the policy of debt and expenditure management
CO5	Conclude the financial relationship between state and central
CO6	Write about the central and state budget

CO-PO-PSO Mapping

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

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

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Course code	**: MECC-402**
Course Name	**: Demography-II**
Semester /Year	**: IV Semester**

L	T	P	C
3	0	0	3

L = Lecture T = Tutorial P = Practical C = Credit

Course Objectives:

The objectives of this course are

1. Theories of Demography transition.
2. Different sources of Demographic Data.
3. Population Policy.
4. International aspect of the population.

Course Contents:

Unit 1:
Population in India: Population Growth; Trends; Composition; Occupational and Regional Distribution; Effects of Population Growth in India; Factors affecting Mortality, Fertility and Migration in India, Life expectancy in India. Define the Relationship between Population Growth and Economic Development.

Unit 2:
Sources of Demographic Data in India: Population Census in India- Nature, Methods and Problems, Salient Features of Population Census of 2021, Comparison of 2011 and 2021 census data

Unit 3:
Population Policy in India: Family Planning Programme in India, Shift in Policy Focus from Population Control to family Welfare and to women Empowerment; The new population Policy; Main features of latest population census with special reference to the state of Uttarakhand.

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Unit 4:

International Aspects of Population: Unequal Distribution of population and World Resources, Population Trends in the twentieth century, Determinants of age and sex structure, Demographic effects of sex and age structure; Problems emerging from population structure in developed and under developed countries.

Reference Books:

1. Agarwal S.N. (1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.
2. Bogue, D.J. (1971), Principles of Demography, John Wiley, New York 3.Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New
4. Delhi.
5. Coale A.J. and E.M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton
6. Gulati, S.C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi.
7. Krishnaji M., R.M. Sudarshan and A. Shariff (1999),Gender Population and Development, Oxford University Press, New Delhi.
8. Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi
9. Chenery H. and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam
10. Mishra S.(2000),Voluntary Action in Health and Population: The Dynamics of Social Transition, Sage, New Delhi.
11. Seth M. (2000), Women and Development: The Indian Experience, Sage New Delhi.
12. Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press
13. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
14. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi.
15. Sryrock, H. et. al (1973), The Methods and Materials of Demography, US Department of Commerce, Washington, D.C.

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Course outcomes (COs):

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

CO1	Define the population growth, trends composition, sources of demographic data.
CO2	Explain the effects of population growth ,factors affecting, life expectancy in India relationship between population growth and Economic Development.
CO3	Explain the different source of Demogaphic data in India.
CO4	Analze the connections between population distribution and world resources in developed and Developing Countries.
CO5	Conclude the population policy its features and population census with special reference in the state of Uttarakhand.
CO6	Write the population Policy focus on population control to family welfare and to women Empowerment.

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		1		2	1	1	1		2	2	2
CO2	2	2	1	2	2		1		2	1	2	1		2	2	2
CO3	2	1	1	1	1		1	1	2	2	1	1		2	2	2
CO4	2	1	1	1	1		2	1	2	1	2	2		2	2	2
CO5	1	2	2	1	1		1		1	1	1	1		1	1	1
CO6	2	1	1	1	1		1		2	1	2			1	2	1

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

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Course code	: MECE-403			
Course Name	: Environmental Economics			
Semester /Year	- : IV Semester			
	L	T	P	C
	3	0	0	3

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

Course Objectives:

The objectives of this course are

1. Relationship between environment and development
2. Different aspects of Environment
3. Policies in Environmental Protection.

Course Contents:

Unit 1:
Environment and Development: Economic growth and environment; Environmental pollution: Causes and degradation of ecosystem and environment, policies and measures for controlling pollution; Intellectual Property Rights and environment, IPR and WTO.

Unit 2:
Ecology, Natural Resource and Economics: Meaning and components of Ecology, Inter-linkages between ecology and economics; Economics of natural resources (land, forest, water etc.); Economic valuation and accounting of natural resources.

Unit 3:
Environment and Sustainable Development: Concept and sustainability of economic development; Policy approach of sustainable development, Macroeconomic policies and management of sustainable development and institutions; Climate change: concept and issues, Economics of 3R- Recycle, Reduce, Reuse

Unit 4:
Water Management: definition, importance, sustainability, development and water conservation method water , why is water management important.

Reference Books:

1. Bhattacharya,RN (ed)Environmental Economics: An Indian Perspectives, Oxford New Delhi.
2. Boumal, W.J. and W.E. Oates, (1998). The Theory of Environmental Policy, Cambridge University Press.
3. Goldin, Ian and L. Allan Winters, ed., (1995). The Economics ofSustainableDevelopment, Cambridge University Press.
4. Hankey,NJ, F.Shogrenand B White, Environmental Economics in Theory and Practical, Oxford New Delhi
5. P. Das Gupta and K. G. Miller, (1997) The Environment and Emerging Development Issues
6. Bromely, D.W. (ed) Hand Book of Environmental Economics, Blackwell, London Chiffered.
7. Ian, J (2002). Environmental Economics Applications: A Cost Benefit analysis,Cambridge University press.

Course outcomes (COs):

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

CO1	Define Ecology, environment and sustainable development, water management, IPR and WTO.
CO2	Describe the Environmental pollution, Natural Resource of Economics, Environment and Sustainable Development.
CO3	Analyze the ecology and ecosystem, maintaining quality environment and economic development at local, national or international level.
CO4	Demonstrate the development and water conservation method.
CO5	Evaluate policies for the conservation of environment
CO6	Write the concept of 3R

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CO-PO-PSO Mapping

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

3- Highest Correlated 2- Medium Correlated 1- Lowest Correlated

Course code	**: MECE-404**			
Course Name	**: Agricultural Economics-II**			
Semester /Year	**: IV Semester**			
	L	**T**	**P**	**C**
	3	**0**	**0**	**3**

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

Course Objectives:

The objectives of this course are

1. Various source of agriculture finance
2. Different aspects of Cooperative Movement
3. Different aspects of Agriculture Marketing
4. Role of National and International Agencies in Agriculture.

Course Contents:

Unit 1:
Agriculture Finance in India: Importance, Institutional and Non-Institutional sources, Existing Credit Delivery System – Structure, problems and remedies

Unit 2:
Cooperative Movement in India: Problems and prospects of Cooperative Institutions for agriculture credit

Unit 3:
Agricultural Marketing: Market Structure and Problems, Regulated Markets, Warehousing, Taxation and Crop insurance; Agricultural Price Policy – Objectives, Instruments and Evaluation, Minimum Support Price, Fair Price shop, Fixation of Maximum Price, Maximum Price Policy.

Unit 4:
Role of National & International Agencies in Indian Agriculture: Agro-Subsidies in India; Industrial Trade in Agricultural Commodities: Commodity Agreements Issues in Liberalization of Domestic and International Trade in Agriculture, Role of NABARD, RRB, Agricultural Prices Commission and CACP; Role of WTO and MNCs in Agriculture.

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Reference Books:

1. Drummond, H E and Goodwin, JW., Agricultural Economics, Standard Book Distributing House.
2. Eicher, Carland Lawrence Witt, Agriculture in Economic Development,McGraw Hill Book Company.
3. Mellor W. Hohn, The Economics of Agricultural Development, Mumbai: Voraand Co Publishers PVt. Ltd.
4. RuddarDatt, K.P.M. Sundharam, 2008, Indian Economy, S.Chand publication,New Delhi
5. Rudra Ashok, Indian Agricultural Economics: Myths and Realities, New Delhi: Allied Publishers Pvt. Ltd. 1982.
6. Joshi P C., Land Reforms in Indina: Trends and Perspective, New Delhi;Allied Publishers.
7. Kahlon, A Sand Karam Singh, Managing Agricultural Finance: Theory and Practice,New Delhi: Allied Publishers Pvt. Ltd .
8. Khusro, A. M., Readings in Agricultural Development, New Delhi: Allied PublishersPvt. Ltd.
9. Tyagi, B P Agricultural Economics and Rural Development, 1989
10. Handbook on Agriculture, 2021

Course outcomes (COs):

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

CO1	Define the agricultural Finance, Cooperative Movement, Agricultural Marketing and Role of National & International Agencies in Indian Agriculture.
CO2	Describe the sources of agriculture finance and the role of national and international agencies in Indian agriculture.
CO3	Explain the agriculture marketing of agricultural products.
CO4	Analyze the problem and prospects of cooperative institution and agriculture credit and role of National oragnisation in agriculture.
CO5	Evaluate the role of international oragnisation in agriculture.
CO6	Write about the Institutional and Non-Institutional sources ,Existing Credit Delivery System , Structure, problems and remedies

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Course code	: MECS-405
Course Name	: Labour Economics-II
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. Various aspects of Labour Migration
2. Cause and effect of Industrial Disputes
3. Various aspects of Labour welfare
4. Various problems of Labour

Course Contents:

Unit 1:
Labour Migration: Approaches, Effects of Migration. Demand for labour relating to choice of technology. Supply of labour in relation to growth of labour force. Labour force participation rates.

Unit 2:
Industrial Disputes: Nature, Causes, Settlement and prevention mechanism in India; Industrial Act 1947 and amendments – Workers' participation in Management, Collective bargaining.

Unit 3:
Labour Welfare: Objectives, Labour welfare activities in India; Social Security: Features, Review and appraisal of states policies with respect to social security and labour welfare in India

Unit 4:
Special problems of labour: Problems related to Child labour, Female labour, Discrimination and Gender bias in treatment of labour; Labour Market Reforms; Problems of labours in organized and unorganized sectors in Indian Economy

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Reference Books:

1. Datt, G. (1996), Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India, Sage Publications, NewDelhi.
2. Lester, R.A. (1964), Economics of Labour, (2nd Edition), Macmillan, NewYork.
3. Mc Connell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York .
4. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1993), Labour, employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
5. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic policies, Commonwealth Publishers, New Delhi.
6. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000), The Unorganised Sector :Work Security and Social Protection, Sage Publications, New Delhi.
7. Ruddar Datt, K.P.M. Sundharam, 2008, Indian Economy, S.Chandpublication, New Delhi.
8. Venkata Ratnam,C.S.(2001),Globalization and Labour -Management Relations :Dynamics of Change, Sage Publications/Response Books, NewDelhi.

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Course outcomes (COs):

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

CO1	Define Labour Migration, Industrial Disputes, Labour Welfare and problems of labour .
CO2	Understand the theoretical as well as empirical issues relating to the labour market And Industrial Disputes.
CO3	Explain labour welfare and industrial labour in India.
CO4	Analze the labour market reforms.
CO5	Distinguish the various issues related to child and women labour.
CO6	Express the approaches and effects of labour migration.

CO-PO-PSO Mapping

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

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

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Course code	**: MECE-406**			
Course Name	**: History of Economic Thought**			
Semester /Year	**: IV Semester**			
	L	**T**	**P**	**C**
	3	**0**	**0**	**3**

L = Lecture T = Tutorial P = Practical C = Credit

Course Objectives:-

The objectives of this course are

1. Various thoughts of pre -classical economist
2. Various thoughts of socialist economist
3. Various thoughts of Neo-classical economist
4. Various thoughts of modern economist

Course Contents:

Unit 1:
Pre-Classical Thought: Mercantilism and Physiocracy; Classicism: Adam Smith, J.B. Say, Ricardo, J.S. Mill, Malthus

Unit 2:
Socialist Thought: Sismondi, Saint-Simon; Marxian Philosophy: Dialectical Materialism and Historical Materialism, Marxian theories of value, surplus value, profit and crisis of capitalism

Unit 3:
Neo-Classical Thought: Keynesian and Post Keynesian development in Economics thought.

Unit 4:
Modern Indian Economic Thought

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Reference Books:

1. Dasgupta, A.K.(1985), Epochs of Economic Theory, Oxford university Press New Delhi.
2. Ekelund, R.B. and R. Herbett (1983), A History Economic Theory andMethod. McGraw Hill, London.
3. Gide, Cand G. Rst(1956) A History of Economics Doctrines George G,. Harrap and Co., London.
4. Gupta. J.N.ed.,(1971). R. C. Dutt-Life and works, London.
5. Kautilya(1951), Arthaqshastra tr. By R. Shayama Sastry, Remond Priniting Press, Mysore.

Course outcomes (COs):

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

CO1	Describe the origin and development of economic ideas and their inter-relations.
CO2	Understand the classical, neo-classical and modern economic thoughts.
CO3	Explain the contributions of the Classical writers, such as Adam Smith, David Ricardo, Thomas Robert Malthus and John Stuart Mill.
CO4	Compare the various economic thoughts.
CO5	Ability to take a critical account of the reactions against Classical Economics.
CO6	Write the reasons for the changes in the thoughts of economics

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		2	1			2			2
CO2	2	2	1				2		2	2			1			2
CO3	2	1	1				1		2	2			2			2
CO4	2	2	1			1	1		2	1			1			2
CO5	2	1	1				2		1	2			1			1
CO6	2	2	2				1		2	1			2			2

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

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Course code	**: MECE-407**			
Course Name	**: Development Planning**			
Semester /Year	**: IV Semester**			
	L	**T**	**P**	**C**
	3	**0**	**0**	**3**

L = Lecture T = Tutorial P = Practical C = Credit

Course Objectives:

The objectives of this course are

1. Various types of Economic Planning
2. Different aspects of Cooperative Movement
3. Different aspects of Agriculture Marketing
4. Role of National and International Agencies in Agriculture.

Course Contents:

Unit 1:

Economic Planning: Meaning, Need, objectives, limitations; Process of Plan formation, requisites for successful planning; Types of planning, Planning under capitalism and socialism; Planning in a mixed economy

Unit 2:

Planning and Market mechanism: Difference between planned and market economies; Role and nature of prices in planned economies, nature of planned prices State intervention versus liberalization and privatization; Development planning models; Capital-Output Ratio; Choice of techniques

Unit 3:

Project planning: Formulation and implementation of project, problems in project planning; Project evaluation: Project profitability analysis; Cost-benefit analysis; Shadow prices, optimization in planning-Linear programming, manpower planning

Unit 4:

Models in Indian Plan: From first to Ninth five year plan; factors leading to the option of different models in different five year plans; Instruments of Indian Planning: Direct controls, Indirect controls, redefining the role of the state.

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Unit-5

Economic Development of Uttarakhand: Uttarakhand Economic Development, Uttarakhand Social and Economic Development, Human Development

Reference Books:

1. Bhagwati, J. and P. Desai (1970), India: Planning for Industrialization,Oxford University Press, London.
2. Brahmananda, P.R. and C.N. Vakil(1956), Planning for an Expanding Economy, Vora and Co., Bombay.
3. Chakravarti, S. (1987), Development Planning: The Indian Experience,Clarendon Press, Oxford.
4. Gupta, S.P.(1989),Planning and Development in India ; A Critique, AlliedPublishers Private Limited, New Delhi.
5. Krishnamachari, V.T. (1962); Fundamental of Planning in India, OrientLongmans, Bombay.
6. O.S Shrivastava (1996), Economics of Growth, Development and Planning,Vikas Publishing house Pvt. Ltd, Delhi.
7. Taneja, Myer (2008), Economics of Development and Planning, Vishalpublication, Delhi.
8. Todaro, M.P. (1971), Development Planning: Models and Methods,
Oxford University Press, Oxford.

Course outcomes (COs):

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

CO1	Explain the Economic Planning, Types of planning, Market mechanism and Project planning
CO2	Describe the Difference between planned and market economies, Development planning models and Project evaluation
CO3	Illustrate the Models in Indian Plan and Economic Development of Uttarakhand and Linear programming, manpower planning
CO4	Classify the Role and nature of prices in planned economies, Cost-benefit analysis .
CO5	Evaluate the problems in project planning and Direct, Indirect controls, redefining the role of the state.
CO6	Write about the Social, Economic Development, Human Development, Role and nature of prices in planned economies

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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	2	1	1		2	1	1	1	2	1		2
CO2	2	1	1	1	1	1	1		2	1	2	1	2	2		2
CO3	2	1	1	2	1	1	1		2	2	1	2	2	1		2
CO4	2	2	2	1	1	1	1		2	2	2	1	2	2		2
CO5	2	1	2	1	1	1	1		2	1	1	1	2	2		2
CO6	1	2	1	1	1	1	1		1	2	2	1	1	1		2

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

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Course code	**: MECE-408**			
Course Name	**: Dissertation**			
Semester /Year	**: IV Semester**			
L	**T**	**P**	**C**	
0	**3**	**0**	**3**	

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

Course Objectives:

The objectives of this course are

1. To understand the role of research.
2. To study research process
3. To apply the complex techniques of selecting are search problem,

Course Contents:

Dissertation will carried by the student under the supervision of Student advisor (teacher of department).

Guidelines for Dissertation:

1. Dissertation should be based on any relevant economic issue at local/regional/state/ National/international level.
2. It should be developed on the basis of either primary or secondary data.
3. Dissertation should be limited to a range of 40 to 80 pages approx. (Font type-Times New Roman or Font Size-14 font, Line spacing- 1.5 spacing.

Format of Report:

The report should be submitted in following format: Title Page, Certificate (by supervisor and student), Introduction, Literature Review, Study Methodology, Research Findings, Conclusion, suggestions or policy prescriptions, Bibliography

Note: There should not be any plagiarism in the research report.

Method of Evaluation:

Performance of student in dissertation will be evaluated.

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Course Outcome (COs)

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

CO1	Identify the role and importance of research in the economics.
CO2	Describe the issues and concepts to the search process.
CO3	Apply the complex techniques of selecting are search problem, selecting an appropriate research design in a dissertation report.
CO4	Analze the concept and measures of sampling, data collection, data analysis in report writing.
CO5	Justify the importance of bibliography
CO6	Write dissertation on its own for future research work

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	1		2	2	1	1	1		1	
CO2	2	2		2	1	1	1		2	2	2	1	1		2	
CO3	2	2	2	1	2	1	1		2	3	1	2	1		2	
CO4	2	2	2	2	1	1	1		2	2	2	1	1		2	
CO5	2	2		2	2	1	2		2	1	1	2	2.		2	
CO6	2	2		1	1	1	1		1	1	2	1	1		2	

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

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Course code	**: MECE-409**			
Course Name	**: Econometrics-II**			
Semester /Year	**: IV Semester**			
L	**T**	**P**	**C**	
3	**0**	**0**	**3**	

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

Course Objectives:

The objectives of this course are

1. Describe Parameters
2. Use of OLS method
3. Description of lagged variables

Course Contents:

Unit 1:
Problems in estimation of parameters with OLS method: Autocorrelation–Nature, consequences, tests (DW–detest), solutions; Heteroscedasticity–Nature, consequences, tests and solutions.

Unit 2:
Multi collinearity - Nature, consequences, tests (Frisch's Confluence method, Farrar-Glauber method), Solutions – Method of Restricted Least Squares, Method of Pooling Cross-section and Time-series data.

Unit 3:
Problems of Lagged variables: Role of time-lags in economics; Estimation of Distributed Lag Models – Koyck model and its rationalization; Almon approach.

Unit 4: Functions, limits and continuity, **Maxima** and Minima, Head count ratio ,Ginni coefficient, lorenz urve PCA method and Regression Method.

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Reference Books:

1. Amemiya, T. (1985), Advanced Econometrics, Harvard UniversityPress, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dongherty, C. (1992), Introduction to Econometrics, Oxford UniversityPress, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard UniversityPress, Cambridge.
5. Mass Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGrawHill, New Delhi.
6. Hill R. C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics,Wiley, New York.
7. Kennedy, P. (1998), A Guide to Econometrics (4th Edition), MIT Press, NewYork.
8. Kmenta, J. (1997), Elements of Econometrics (Reprint Edition), University ofMichigan Press, New York.
9. Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), TheMacmillan Press Ltd., London.
10. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, OxfordUniversity Press, New Delhi.
11. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2Vols.), Aldershot U.K.
12. Theil, H. (1981), Introduction to Econometrics, Prentice Hall of India, NewDelhi

Course outcomes (COs):

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

CO1	Define the Problems in estimation of parameters with OLS method, Multi collinearity , Problems of Lagged variables and Problems of Lagged variables .
CO2	understand the presence of Heteroscedasticity and Multicollinearity
CO3	Explain the concepts – Method of Restricted Least Squares, Pooling Cross-section method and Time-series data.
CO4	Use of regression model for empirical data and try to compare the theoretical validity with empirical findings
CO5	Evaluate the ,Ginni coefficient, lorenz curve PCA method and Regression Method.
CO6	Write the Functions, limits, continuity, Maxima, Minima and Head count ratio.

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

Course code : MECE-410				
Course Name : Social Ecology Environment &Management				
Semester /Year : VI				
	L	T	P	C
	3	0	0	3

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

Course Objectives:

The objectives of this course are

1. To learn about ecology and problems of Ecological Imbalances
2. To learn about all environmental legislation.
3. To learn about all Environment Movements in India

Course Contents

Unit 1:

Social Ecology: Meaning, Elements; Nexus between Ecology and Environment; Ecology and Development.

Problems of Ecological Imbalances: Deforestation, Detribalization, Migration and Depopulation, loss of Flora and Fauna, Pollution and Health Hazards.

Unit 2:

Environment, Natural Resources and life Style; Environment Management – Maintaining, Improving and Enhancing; Current Issues of Environment Displacement.

International Treaties and Agreements Relating to Environment Conservation.

Unit 3:

Law Relating to Environment Protection: Forest Conservation Act. Environment Protection Act.

Water (Prevention and Control of Pollution) Act.Air (Prevention and

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Control of Pollution) Act.

Unit 4:

Role of Non-Government Organisations in Environment Protection.
Environment Movements in India.

Reference Books:

1. Agarwal, S.K. – Industrial Environment: Assessment and Strategy.
2. Barch, W.R. (1987) – Human Ecology and Environment Management.
3. Guha, R. (2000) – Social Ecology.
4. Krishna, M. (1995) – Air Pollution and Control.
5. Mukherjee, R.K. – The Ecological outlook in Society, A.J.S. Vol. 32.
6. Ryding, S.O. (1992) – Environmental Management Handbook.
7. Sapra, R.K. (Ed.) (1987) – Environmental Management in India Vol. II.
8. Sharma, P.D. (1995) – Ecology and Environment.
9. Singh, J.S. & Chaturvedi, O.P. (1981) – Ecology, Environment and Development.
10. Vandana, Shiva (1991) - The Violence of the Green Revolution.

Course outcomes (COs):

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

CO1	Explain social ecology and problems associated with it.
CO2	Compare the various theoretical and ideological perspectives issues related to environment
CO3	Explore all environmental legislation.
CO4	Describe various environmental issues and movements
CO5	Apply Social Work principles and strategies in working with environment protection
CO6	Gain insights about environmental problems and challenges in the global and national context.

CO-PO Mapping

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

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

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Course code	: MBCP-411			
Course Name	: SEMINAR			
Semester /Year	: IV			
	L	T	P	C
	0	0	2	2

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

Course Objectives: The objectives of this course are

1. Demonstrate skills and competences required for the presentation.
2. Present their ideas in a more coherent and comprehensive manner.
3. State and explain the knowledge related to presentations.

Methodology

3. To facilitate the integration of theoretical knowledge, encouraging students to connect various concepts of Economics.
4. To develop their research skills and enhance the ability to present their ideas and findings.

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Course outcomes (COs):

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

CO1	Understand the features of presentation.
CO2	Analyse and appreciate diverse perspectives and contributions
CO3	Identify relevant information, defining and explaining topics under discussion.
CO4	Obtain, select, create and support materials appropriately and can demonstrate insight, independent thought, relevance and persuasiveness.
CO5	Analyze the use of vocabulary; demonstrate command of voice moderation, voice projection and pacing during presentation. Speak cogently with or without notes.
CO6	Use of visual, audio and audio-visual materials to support the presentation.

CO-PO-PSO Mapping

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

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

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