

TEACHING PLAN FORMAT

**Devi Ahilya Vishwavidyalaya, Indore, India
2013 – 14**

Course Code and Title	214 Computer Applications
Credit Hours	40
Faculty	Rachana Jain
E-mail Id	Rachana.soe@gmail.com

- **Course Overview :** (Write about nature, relevance, scope, coverage, and applications of the course)
Curriculum covers all the essential software's required for the students to work with computers. It covers all the application aspect of MS-Office, Internet Basics and SPSS.
- **Learning Outcomes:** (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)
To introduce the software knowledge by which one can do one's research work conveniently and efficiently.
- **Pedagogy:** (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)
Lectures are equipped with power point presentations, to cover practical aspect of subject in computer laboratory so that students implement teachings on the computers for more clarity. Assignments includes coverage of practical aspect with respect to various software packages.
- **Examination Scheme:**

Assessment Components	% Weightage
External	40%
Internal 1	20%
Internal 2	20%
Internal 3(Best of two are evaluated)	20%
Computer viva	20%

Assignments/Projects/Exercises	% Weightage
Assignments based on real time applications of various topic such as Hypothesis testing,data analysis with excel & SPSS.	20%

- **Text Books:**
- Computer Fundamentals – P.K.Sinha, , BPB Publisher
- A First Course in Computer – Sanjay Saxena, Vikas Publishing House Pvt. Ltd
- Computer Systems & Applications – Rustam Shroff, Himalaya Publishing House
- **Reference Books:**
- Computer Netware—K.K.Koli, Nakoda publication & Print ltd
- Introduction to Computers – N.Subramaniam , Tata McGraw Hill Publication

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
8	Anatomy of computer, Operating system concepts, Hardware, Software Concepts & Terminology, networking--- definition, types, applications. Introduction to GUI.	2
8	Introduction to MS-Office— MS Word: creating documents in MS word, formatting features, standard Toolbar, text formatting, Header & Footer, insertion of files & pictures.	2
8	MS-Excel: Excel Basics, rearranging worksheets, functions & formulas.	2
6	MS-PowerPoint: Different presentation styles, editing slides, slide sorter View, slide miniature view, slide show view, and formatting slides, present Animation Of slides.	2
5	SPSS: Data management, types of data, level of measurement and types of Presentation scales.	2
3	Calculation of numerical descriptive measures – measures of central tendency and variation, covariance & coefficient of correlation. Calculation of simple linear regression.	2
2	Internet basic & Applications—Internet & its uses, Intranet & Extranet, Web pages, websites, web servers, Web browsing, internet domains, URL's, IP addresses, search engines.	2

- **Additional Resources / Web links:**

Course Code and Title	213A Communication and Personality development
Credit Hours	40
Faculty	Dr. Sonael Sharma
E-mail Id	sharmasonael@gmail.com

- **Course Overview : (Write about nature, relevance, scope, coverage, and applications of the course)**
 - The subjects Communication and personality development develops soft skills and the art of correspondence for day to day purpose. A comprehensive syllabus with letter writing, interview skills, writing resume, proper usage and construction of sentence, making presentation is crucial in developing overall personality of students.
- **Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)**
 - The objective of this paper is to develop effective communication skills and an impressive personality. To develop skills of students like creative writing and making presentations.
- **Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)**

The lecture is combined with a mix of activities like role play, creative writing, power point presentations, group discussions and extempore, debates.

- **Examination Scheme:**

Assessment Components	% Weightage
External	60 %
Internal 1	20%
Internal 2	20%
Internal 3 (best of two internals)	20%

Assignments/Projects/Exercises	% Weightage
Power point presentations throughout the year by students on any topic of their choice	-

News reading activity and writing news review	5%
Vocabulary building activity	5%

● **Text Books:**

- Essentials of Business Communication Rajendra Pal, Sultanchand Publication, 2000

● **Reference Books:**

- Business Communication K.K.Sinha, Galgotia Publishing Company
- Business Communication Chhabra.T.N. , Sun India Publication, 2005
- Business Communication Parag Diwan, Excel Books
- Business Communication --R.K.Madhurkar,Vikas Publishing House Pvt. Limited

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	FRAMEWORK TO BUSINESS COMMUNICATION: Defining Communication, Process of communication,	1
3	Principles of effective communication, importance and objectives of business communication, and importance of feedback.	1
3	FACTORS AFFECTING COMMUNICATION: Physical, Mechanical and Psychological barriers to communication.	2
2	Effective listening – types and Essentials of effective listening	2
4	Development of intrapersonal and interpersonal skills for Personal effectiveness.	2
4	CHANNELS, TYPES AND FORMS OF COMMUNICATION: Channels, Verbal, Non-verbal, Formal, Informal, Internal, External and communication networks.	3
5	FUNDAMENTALS OF BUSINESS WRITING: Adaption and selection of words, construction of clear sentences and paragraphs	4
6	Writing for effect, Basic patterns of Business Letters, Directness in good news and neutral situations	4
1	REPORT WRITING	5
1	Writing Resumes,	

2	Interview skills	6
5	Effective presentation skills : body language, eye contact, gesticulation, use of audio visual aids	7

- **Additional Resources / Web links:**

Course Code and Title	232 Economics of Development and Growth
Credit Hours	4
Faculty	Miss Era Tiwari
E-mail Id	tough.era@gmail.com

- **Course Overview : (Write about nature, relevance, scope, coverage, and applications of the course)**

The paper on "Economics of Development and Growth" is for providing the information regarding economists' view on economic growth and development. The objective is to acquaint the learners with the historical and theoretical bases of these views; as well as their applicability in current scenario with special reference to the Indian Economy. It aims at enhancing the understanding of the students regarding the analysis of planning process and what course of action can maximize growth prospects of an economy under consideration.

- **Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)**

Students gained insight to the growth models, their mathematical formulation and their limitations. They learned to appreciate contribution of such theoretical models in practical decision-making process of economies of the world. They understood the importance of appropriate resource allocation mechanisms as well. Students also learned to apply their own theoretical understanding on the prevalent problems of Indian economy. Their analytical powers got specially strengthened in this process. Students were encouraged to discuss the case studies in groups. They were made participants in the class discussion as a whole. This improved their oratory skills a lot. Students were asked to write summaries of related research papers as well as to show the PowerPoint presentation of the same. This boosted their computing and public speaking skill in a joint manner. Special thrust was laid on answer writing sessions and ability to solve objective questions from the point of

view of competitive examinations like UGC-NET. Students were able to perform brilliantly in these two areas.

- **Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)**

Detailed lectures were being organised by the teacher for enhancing learner's understanding of theoretical concepts. An introduction about biographical sketch of the economists' was provided by the teacher to the students. It was supported by discussion of selected chapters from the world famous books of the celebrated economists. Graphs were used wherever and wherever possible in explanation. Power points were showed on selected concepts. Case studies from Indian economy were also discussed in the class. Special thrust was laid to analyze the applicability of theories in present scenario for world economy in general and Indian economy in particular. For that published research papers were also selected by the teacher for discussion with students.

- **Examination Scheme:**

Assessment Components	% Weightage
External	60
Internal 1	20
Internal 2	20
Internal 3	20

Internal assessment comprises 40 marks. Best two internals out of three are being considered for evaluation.

Assignments/Projects/Exercises	% Weightage

- **Text Books:**

1. Lekhi R.K. - The Economics of Development and planning
2. Mishra S.K , Puri V.K. – The Economics of Development and Planning
3. Agrawal R.K. – The Economics of Development and Planning
4. Todaro M.P. – Economic Development

- **Reference Books:**

1. Kindelberger, C.P. – Economic Development
2. Basu .K. – Analytical Development Economics: The Less Developed Economy Revisited
3. Ray D. – Development Economics

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	Concepts of Growth and Development, Factors affecting growth and development, Problems of underdevelopment and development	Case Study - Human Development Report 2013 published by UNDP
2	Adam Smith Theory of Growth	Book -Wealth of Nations – Selected Chapters’ Discussion
2	Ricardian Theory of Growth	Case Study – Role of Technology to overcome concept of stationary State
2	Malthusian Theory of Growth	Cases Study -Limits to Growth Theory. (Club of Rome)
5	Marxian Theory	Books-- Das Kapital, Communist Manifesto- Overview was provided
3	Schumpeter’s Model	Case Study – Innovation Workers
4	Keynesian Model	Case Study – Depression Era Economics
3	Harrod Domar Model	Problem sums were undertaken, Case Study – Application of Harrod Domar Model in First Five Year Plan of Indian Economy.
3	Joan Robinson’s Model of Growth	Book – Economics of Imperfect Competition – Overview was provided.
2	Theory of Balanced Growth – Lewis Model	Case Study – A Study of Migration patterns
2	Theories of Unbalanced Growth – Hirschman	Case Study – Discussion on Social Overhead Capital and Directly Productive Activities

1	Leibenstein's Model	Case Study – Applicability in UDC's.
1	Rostow's Stages of Growth	Case Study – India's Third Plan Experience Comparison with the "Take-Off" Stage
3	Mahalanobis Model	Case Study – Second Five Year Plan of India
3	Kaldor Model	Case Study – Growth and Technology: Cases of Constant and Expanding population

• **Additional Resources / Web links:**

<http://www.econlib.org/library/Smith/smWN.html>

<http://www.britannica.com/EBchecked/topic/178567/The-Economics-of-Imperfect-Competition>

<http://www.undp.org/content/undp/en/home/librarypage/hdr/human-development-report-2013/>

<http://www.clubofrome.org>

<http://www.britannica.com/EBchecked/topic/311741/Das-Kapital>

<http://www.marxists.org/archive/marx/works/1867-c1/>

<http://www.epw.in>

<http://www.jstor.org/>

<http://en.wikipedia.org>

Course Code and Title	234 (A) Mathematical Economics - I
Credit Hours	40
Faculty	Dr. Sonael Sharma
E-mail Id	sharmasonael@gmail.com

• **Course Overview : (Write about nature, relevance, scope, coverage, and applications of the course)**

- Mathematical economics develops the logical reasoning, mathematical interpretation skills of students. The application of mathematics in economics strengthens their understanding about the theories.

- **Learning Outcomes:** (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)
 - Objective: The course content increases the analytical ability to understand the subject logically and pragmatically.
- **Pedagogy:** (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)
 - Lectures method was used here with ample practice of numerical in each topic.
- **Examination Scheme:**

Assessment Components	% Weightage
External	60 %
Internal 1	20%
Internal 2	20%
Internal 3(best of two internals are considered)	20%

Assignments/Projects/Exercises	% Weightage
Practice exercises on different topics	-

- **Text Books:** Mehta and Madnani: Mathematics for Economists
- **Reference Books:**
 - W.J. Baumel: Economic Dynamics (Illrd Ed.)
 - Allen, R.G.D. : Mathematical Analysis for Economics Analysis
 - Dorfman, Lamuelson:Linear Programming and Economic Analysis and Solow.

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
2	The nature of Mathematical Economics; Relation between Mathematical Economics and Econometrics; Equations and inequalities; Types of equations	1
3	Equilibrium analysis, Linear and non-linear equations and their solutions;	1
4	Arithmetic and Geometric Progression and their use in Economics.	1
5	Derivative and slope of a curve; Process of Differentiation; Rules of Differentiation of a function;	2
3	Derivatives of higher order; Sign of derivative and nature of function; I and II order conditions for Maxima and Minima.	2
3	Application of simple derivatives in Economics, Differential coefficients and elasticity of demand,	3
2	Average and marginal cost Curves and their relation, Average and Marginal Revenue Curves and their relation,	3
2	Conditions for profit maximization under different market conditions.	3
5	Differentiation of a function of two or more variables; Partial Differentiation process and its application in Economics,	4
3	Total Derivatives; Rules of total differentiation.	4
3	The theory of Consumer Behavior; Indifference curve; Role of Commodity Substitution (RCS), Maximization of Utility,	5
1	Slutsky's Equation – important results and their interpretations.	5
3	The Theory of constrained cost minimization and profit maximization, Cobb-Douglas Production Function, Constant Elasticity Substitution function.	6
2	Cobb-Douglas Production Function, Constant Elasticity Substitution function.	6

• **Additional Resources / Web links:**

Fundamental methods of mathematical economics, Alpha C Chaig

<http://www.drchristiansalas.org.uk/BusinessandEconomics/Economics/FundamentalMethods.pdf>

Course Code and Title	212 - Macro Economics
Credit Hours	40
Faculty	Dr. Sonael Sharma
E-mail Id	sharmasonael@gmail.com

- **Course Overview :** (Write about nature, relevance, scope, coverage, and applications of the course)
- Macro economics covers study of macroeconomic variables such as consumption, investment, foreign sector, money supply which helps in better understanding of day to day economic scenario and theories of economy.
- **Learning Outcomes:** (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)
- Objective: To provide the conceptual knowledge regarding economic policies at national and international level.
- **Pedagogy:** (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)
- Lectures are combined with power point presentations
- **Examination Scheme:**

Assessment Components	% Weightage
External	60 %
Internal 1	20%
Internal 2	20%
Internal 3 best of two internals	20%

Assignments/Projects/Exercises	% Weightage
Trends of unemployment	-
Saving Investment in India	-
Money supply in India	(in III internal)
National income in India	(in III internal)
Comparison of Keynes and Classical	(in III internal)

- **Text Books:** H.L. Ahuja , Macro economics
- **Reference Books:**
- 1. E.J. Shapiro Macro Economic Analysis
- 2. W.H.Bransin Macro Economic Theory and Policy

- 3. M.L.Jhingan Macro Economic Theory
- 4. M.C.Vaishya Macro Economic Theory
- 5. SunilBhaduri Macro Economic Analysis

- **Session Plan:**

Sessions	Topics	Chapters/ Readings / Study Material / Cases
2	Nature of Macro Economics, Basic Concepts Stock and Flow Variables, Functional relationships.	1
5	National Income and its measurement, GDP and GNP,	1
2	Importance of NI Estimation, NI and Economic Welfare, NI Estimation in India.	1
3	Theories of Employment Classical Theory, Say's Law of Market, Classical Model with and without saving and Investment, Criticism of the Model.	2
4	Keynesian Model of aggregate demand and supply with Demand and Supply of Money. Keynes Vs the Classics.	3
2	Measurement and Trend of Unemployment in Indian Economy.	3
4	Macro Economic Equilibrium, Income Determination in Closed and Open Economy,	4
4	Concept of Simple Multiplier, Public Expenditure, Export, Tax, Balanced Budget and Dynamic Multiplier.	4
2	Theories of Consumption and Investment- APC and MPC. Factors affecting consumption. Income	5
4	Consumption Hypothesis, Saving Function, Paradox of Thrift.	5
4	Theories of interest rate determination- Liquidity preference theory & IS-LM Analysis.	5
1	The Component of Money Supply.	5
2	Investment Function, Determinants of Investments MEC and MEI Theories of Investment,	6
2	C, S, I measurement in Indian Economy. New classical economics.	6

- **Additional Resources / Web links:**
- **Rbi.org.in**
- Essentials of Macroeconomics Peter Jochumzen
<http://bookboon.com/en/macroeconomics-uk-ebook>
- Advanced macroeconomics, Sanjay Rode
<http://bookboon.com/en/advanced-macroeconomics-ebook>
- Business Cycles and Financial Crises, A W Millineux
<http://bookboon.com/en/business-cycles-and-financial-crises-ebook>

Course Code and Title	232DE, Econometrics (Elective)
Credit Hours	4
Faculty	Dr.(Mrs.) Vishakha Kutumbale
E-mail Id	vkutumble@gmail.com

- **Course Overview:** The objective of this paper is to understand the different econometrics concepts and use them in research and analysis.
- **Learning Outcomes:** It is meant to give students different analytical tools. In research and corporates it enhances their capability to give solutions analytically
- **Pedagogy:** Application based approach is used to teach the subject. MS-Excel sheet is taught and discussed with them and one of the internal tests is conducted in the computer lab. Stress is given on interpretation and inferences to be drawn from different econometric models.

- **Examination Scheme:**

Assessment Components	% Weightage
External	60
Internal 1	40, best of two is taken
Internal 2	
Internal 3	

Assignments/Projects/Exercises	% Weightage
Assignments are given to be completed on Excel sheet	50% of third internal test is on the basis of this assignment
	80% of Second internal assessment is also on the basis of performance on excel sheet

- **Text Books:**

1. Koutsoyiannis A. – Theory of Econometrics E L B S/Macmillan
2. Maddala, G.S., Econometrics Mc Graw Hill
3. Sangeetha and Gujrati – Basic Econometrics
4. Mehta & Madnani- Mathematics for Economist

- **Reference Books:**

Rao & Miller, Applied Econometrics Prentice-Hall

Schmidt P. – Econometrics, Marcel Dekker, N.Y.

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	Differentiation of a function; Application of differentiation in Economic and Managerial problems like Revenue, Cost, Demand, Supply Functions, Elasticities and Maxima and Minima.	
3	Integration of a function: Application of Integration in Economic Problems, Consumer's and Producer's Surplus.	
8	Meaning and Methodology of Econometrics-Nature and Scope of Econometrics. The Nature of Regression Analysis and Basics of Two-Variable Regression Analysis. Estimation and Hypothesis Testing	
4	Extensions of the Two-variable Linear Regression Model; Multiple Regression Model, Estimation and Inference.	
6	Nature, Consequences, Detection and Remedial Measures of MultiColinearity, Heteroscedasticity and Autocorrelation.	
6	Regression on Dummy Variable, Dynamic Econometrics Models: Autoregressive and Distributed Lag Models	
6	Systems of Equations, Identification and Estimation Methods (ILS and 2SLS), Business Applications of Single Equation Econometrics Model and Systems of Equations	

- **Additional Resources / Web links:**

Course Code and Title	(Course code - 211A) Theory of Consumer Behaviour and Production
Credit Hours	4
Faculty	Dr.Sakharam Mujalde
E-mail Id	sagarmujalde@gmail.com

1. Course Overview: (Write about nature, relevance, scope, coverage, and applications of the course) : **This paper analyzes the economic behaviour of individual firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of cost, equilibrium of firm and various markets. It also deals with factor pricing and welfare economics.**
2. Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students): **To provide the knowledge about consumer behaviour regarding Market and Production units of the firm.**

3. Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.): **lecture, power point presentations, field assignments.**

4. Examination Scheme:

Assessment Components	% Weightage
External	60 percentage
Internal 1	20 percentage
Internal 2	20 percentage
Internal 3	20 percentage
Internal 3 (Best of two internals are evaluated)	

Assignments/Projects/Exercises	% Weightage

Text Books:

Reference Books:

1. Varian. H.R. Micro Economics A modern Approach.
2. Ahuja, H.L. Advanced Economic theory
3. Jain K.P. Advanced Economic theory
4. Jhingan M.L. Modern Micro Economics
5. Mishra & Puri Modern micro economics

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
2	General Introduction to Micro /Macro/Difference between Micro & Macro and their interrelations, positive & normative Economics Analysis	1
5	Utility Analysis, Cardinal Utility the law of Diminishing Marginal Utility, The law of equip- marginal utility and Ordinal Utility Indifference curves analysis, Price effect, Income Effect & Substitution Effect.	2
3	Indifference curve and Budget line, Utility Maximization Rule, Practical significance. Concept of consumer surplus and its applications in economics.	2

4	Law of Demand & Supply, Derivation of demand curve from Price Consumption curve, market demand, Changes in demand and supply and their quantity.	3
3	Elasticity concept of elasticity of demand & its types & their applications.	4
5	Revealed Preference Theory, Consumer choice under uncertainty Hicksian revision of demand theory. Recent development in the theory of market demand.	5
6	Theory of Production:- Production function, laws of production, Isoquant and producers equilibrium, Expiration path, Technological Progress and production function – Production function of multi product firm, production possibility curve.	6
5	Production - Law of Variable Proportions - Returns to scale production function of Multi-Product firm Producer's equilibrium – producer surplus elasticity of substitution. Cobb- Douglas production function. Economies of scale, technological progress and production function.	6
4	Theory of cost:- Traditional and Modern theory of Cost_ Short run and Long run costs, the analysis of Economics of scale the concept of Engineering costs.	7
3	Cost Functions, Cost curves, Iso-cost curves, traditional and modern cost analysis. Revenue curves and break points.	7

Additional Resources / Web links:

- http://www.economicsonline.co.uk/Competitive_markets/The_labour_market.htm
- <http://www.britannica.com/EBchecked/topic/326887/labour-economics>
- <http://books.google.co.in/books>
- <http://www.scribd.com/doc/39109344/51/>
- <http://economics-the-economy.knoji.com/>
- <https://accounts.coursera.org/signin?course>

Course Code and Title	(Course code – 211D) Mathematics and Statistics for Economics
Credit Hours	4
Faculty	Dr.Sakharam Mujalde
E-mail Id	sagarmujalde@gmail.com

1. Course Overview: (Write about nature, relevance, scope, coverage, and applications of the course): **The main objective of this paper is to train the students to use the techniques of mathematical and statistical analysis, which are commodity applied to understand and analyse economic problems. The emphasis of this paper is on understanding economic concept with the help of mathematical method rather than learning mathematics itself. Hence, in this paper a student will be initiated into various economic concept, which are amenable to mathematical treatment. The paper also deals with simple tools and techniques, which will help a student in data collection, presentation, analysis and drawing inferences about various statistical hypotheses.**
2. Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students): **This paper provides the statistical and mathematical approach to understand economic principles and policies.**
3. Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.) **lecture, case studies, power point presentations, field assignments.**
4. Examination Scheme:

Assessment Components	% Weightage
External	60 percentage
Internal 1	20 percentage
Internal 2	20 percentage
Internal 3	20 percentage
Internal 3 (Best of two internals are evaluated)	

Assignments/Projects/Exercises	% Weightage

Text Books:

Reference Books:

1. Gupta & Gupta – Statistics
2. R. G.D.Allen - Statistics for Economics
3. Metha and Madnani - Mathematics for Economists.
4. A.L. Bowliy - Elements of Statistics

5. Croxton & Cowden - Applied General Statistics
6. JITSchandan - . Statistics for Business & Economics
7. S.P.Gupta - Statistical Methods
8. Shukla & Sehay - Statistical Methods

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
3	Definition, Importance & Scope of statistics, Measures of Central tendency.	1
4	Measures of dispersion and skewness.	1
4	Correlation Analysis: Correlation Coefficient, Methods of Computing simple correlation, concept of probable Error. Spearman's coefficient of Rank correlation.	1
3	Linear and Simultaneous Equations up to Three Variables and Its Application in Economics, e.g.	2
5	Calculation of equilibrium Prices, Impact of Tax and Subsidy on Demand and Supply Model Calculations of Factor Prices. Calculations of Macro Economic Variables.	2
4	Simple Differentiation and Its Application in Economics i.e., Calculation of Elasticity Coefficient.	3
2	Marginal Cost and Revenue, 11 Productivity, Profit Maximization Condition under perfect competition and monopoly.	3
4	Regression Analysis: Concept, Regression lines, finding regression coefficients and equations.	4
3	Interpolation and extrapolation; Concept, significance, assumptions, methods of Interpolation and extrapolation.	4
4	Index Numbers: A Conceptual frame work, uses, types, problems in construction of Index numbers.	5
4	The chain index numbers, Base shifting and deflating index numbers, cost of living index numbers.	5

Additional Resources / Web links:

- <http://tutorial.math.lamar.edu/>
- www.youtube.com/watch?v=ufSiKnskey4
- [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1432-0436](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1432-0436)
- <http://www.statistics.com/statistics-1>

Course Code and Title	(Course code – 235B) Labour Problems and Social Welfare
Credit Hours	4
Faculty	Dr.Sakharam Mujalde

E-mail Id	sagarmujalde@gmail.com
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1. Course Overview: (Write about nature, relevance, scope, coverage, and applications of the course): **Issues pertaining to the labour market, wage theories, employment policies trade unions and collective bargaining in the globalized economy have become vitally important for developing countries. In a country like India where the bulk of the labour force is in the unorganized sector and the organized sector is witnessing “jobless” growth, the importance of issues such as employment and unemployment as well as livelihood and social security for the growing millions continues to assume significance. This paper exposes students to theoretical as well as empirical issues relating to the labour market with special reference to India.**
2. Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students): **To introduce the workers participation in the industrial management and their legislation.**
3. Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.): **Lecture, case studies, power point presentations, field assignments.**
4. Examination Scheme:

Assessment Components	% Weightage
External	60 percentage
Internal 1	20 percentage
Internal 2	20 percentage
Internal 3	20 percentage
Internal 3 (Best of two internals are evaluated)	

Assignments/Projects/Exercises	% Weightage

Text Books:

Reference Books:

- 1 Hajela P.D. Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
- 2 Lester, R.A. (1964) Economics of Labour (2nd Ed.), Macmillan, New York.
- 3 Pepola, Ghosh and A.N.Sharma (1993) Labour Employment and Industrial Relations in India B.R. Publishing House, New Delhi
- 4 Govt. of India : Labour Year Book
- 5 P.S. Florence : Labour Economics
- 6 Lester : Labour Economics
- 7 R.R. Singh : Labour Economics

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	Nature and characteristics of labour Problems.	1
4	Characteristics of Industrial Labour in India and Migratory nature.	2
3	Labour power in India.	3
4	Problems of Absentism and Labour Turnover.	4
5	Classical and Modern Theory of Wage Determination.	5
4	Concepts of minimum wage, living wage and fair wage.	6
5	Labour Welfare in India. – Theories of Labour Welfare The policy, Theory. The Religious Theory, Philanthropic theory, The trusteeships theory.	7
3	The placating theory, The Public Relation theory and The function theory.	7
5	Social Security I India – Need of Social Security, social insurance and social assistance, workmen Compensation Act. Maternity Benefit act and Employees state Insurance Scheme.	8
3	Women and Child Labour in India.	9

Additional Resources / Web links:

- http://www.economicsonline.co.uk/Competitive_markets/The_labour_market.html
- <http://www.britannica.com/EBchecked/topic/326887/labour-economics>
- <http://books.google.co.in/books>
- <http://www.scribd.com/doc/39109344/51/>
- <http://economics-the-economy.knoji.com/>
- <https://accounts.coursera.org/signin?course>

Course Code and Title	(Course code – 234B) Economics of Industries
Credit Hours	4
Faculty	Dr.Sakharam Mujalde
E-mail Id	sagarmujalde@gmail.com

1. Course Overview: (Write about nature, relevance, scope, coverage, and applications of the course): **In the contemporary world with globalization and liberalization, more and more attention is being given to industry. This course intends to provide knowledge to the students on the basic issues such as Productivity,**

efficiency, capacity utilization and debates involved in the industrial development of India. The objective is to provide thorough knowledge in a cogent and analytical manner in the Indian context.

2. Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students): **To provide the knowledge regarding pattern of industrial Product and industrialization. Introduce about the different industries and their policies and problems.**
3. Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.): **lecture, case studies, power point presentations, field assignments.**
4. Examination Scheme:

Assessment Components	% Weightage
External	60 percentage
Internal 1	20 percentage
Internal 2	20 percentage
Internal 3	20 percentage
Internal 3 (Best of two internals are evaluated)	

Assignments/Projects/Exercises	% Weightage

Text Books:

Reference Books:

1. T.R.Sharma -Location of Industries in India
2. Cherunilam, F (1994)-Industrial Economics in Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
3. E.A.O. Robinson -Structure of Competitive Industry .
4. Jalan B (1996) -India's Economic Policy, Viking, New Delhi
5. Singh & Sadhu -Industrial Economics, Himalaya Publishing House
6. Naidu K.M.(1999)- Industrialization & Regional Development in India
7. Mamoria & Mamoria -Dynamic of Industrial Relations in India
8. Divine P.J. & R.M. James et.al. (1976) -In Introduction to Industrial Economics George Allen and Unwin Ltd. London.
9. Hay D. & D.J. Morris -Industrial Economics Theory & Evidence, Oxford University Press, New Delhi

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
2	Meaning, Rational, pattern and impact of industrialization. Factors favburing and Hampering Rapid Industrial Development of India.	1

4	Relationship between industry and economic development, Industry & sectoral linkages. New Industrial Policy in India, from 1991 to till date. Recent trends in Indian Industrial growth.	1
5	Concept and organization of a firm, Business classification of firm on the basis of, its activities, Sector, and Ownership structure. (Public, Private, Joint and Cooperative Sectors.	2
4	Size and Use Base Classification of Indian Industry and their Trends in past 5 years.	3
5	Control and objectives of the firm, Sellers concentration; Product differentiation; Entry condition.	3
5	Market and its structure, Extent of market concentration, Industrial combination and its impact on efficiency of the firm and economic power.	4
6	Theories of Industrial location - Weber and Sargent Florence; Factors affecting location, Industrial Sickness.	4
5	Size and Growth of the firm; Growth and Profitability of the firm, Constraints of the growth, Indian situation; Product Pricing theories and evidence.	5
4	Concept & Measurement of Productivity. Productivity Trends in Indian Industry. Industrial competition & Monopoly.	5

Additional Resources / Web links:

- [http://www.economicsonline.co.uk/Competitive markets/The labour market.htm](http://www.economicsonline.co.uk/Competitive%20markets/The%20labour%20market.htm)
- <http://www.britannica.com/EBchecked/topic/326887/labour-economics>
- <http://books.google.co.in/books>
- <http://www.scribd.com/doc/39109344/51/>
- <http://economics-the-economy.knoji.com/>
- <https://accounts.coursera.org/signin?course>

Course Code and Title	214 Computer Applications
Credit Hours	40
Faculty	Rachana Jain
E-mail Id	Rachana.soe@gmail.com

- **Course Overview : (Write about nature, relevance, scope, coverage, and applications of the course)**
Curriculum covers all the essential software's required for the students to work with computers. It covers all the application aspect of MS-Office, Internet Basics and SPSS.

- **Learning Outcomes:** (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)

To introduce the software knowledge by which one can do one's research work conveniently and efficiently.

- **Pedagogy:** (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)

Lectures are equipped with power point presentations, to cover practical aspect of subject in computer laboratory so that students implement teachings on the computers for more clarity. Assignments includes coverage of practical aspect with respect to various software packages.

- **Examination Scheme:**

Assessment Components	% Weightage
External	40%
Internal 1	20%
Internal 2	20%
Internal 3(Best of two are evaluated)	20%
Computer viva	20%

Assignments/Projects/Exercises	% Weightage
Assignments based on real time applications of various topic such as Hypothesis testing,data analysis with excel & SPSS.	20%

- **Text Books:**

- Computer Fundamentals – P.K.Sinha, , BPB Publisher
- A First Course in Computer – Sanjay Saxena, Vikas Publishing House Pvt. Ltd
- Computer Systems & Applications – Rustam Shroff, Himalaya Publishing House

- **Reference Books:**

- Computer Netware—K.K.Koli, Nakoda publication & Print ltd
- Introduction to Computers – N.Subramaniam , Tata McGraw Hill Publication .

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
8	Anatomy of computer, Operating system concepts, Hardware, Software Concepts & Terminology, networking--- definition, types, applications. Introduction to GUI.	2
8	Introduction to MS-Office— MS Word: creating documents in MS word, formatting features, standard Toolbar, text formatting, Header & Footer, insertion of files & pictures.	2
8	MS-Excel: Excel Basics, rearranging worksheets, functions & formulas.	2
6	MS-PowerPoint: Different presentation styles, editing slides, slide sorter View, slide miniature view, slide show view, and formatting slides, present Animation Of slides.	2
5	SPSS: Data management, types of data, level of measurement and types of Presentation scales.	2
3	Calculation of numerical descriptive measures – measures of central tendency and variation, covariance & coefficient of correlation. Calculation of simple linear regression.	2
2	Internet basic & Applications—Internet & its uses, Intranet & Extranet, Web pages, websites, web servers, Web browsing, internet domains, URL's, IP addresses, search engines.	2

- **Additional Resources / Web links:**

- <http://my.safaribooksonline.com/book/information-technology-and-software-development>
- <http://www.paolocoletti.it/books/basiccomputer.pdf>
- <http://www.anzaq.com/2013/05/download-computer-fundamentals-pk-sinha.html>
- http://vfu.bg/en/e-Learning/Computer-Basics--computer_basics2.pdf
- http://en.wikibooks.org/wiki/Computers_for_Beginners/The_Basics
- <http://www.nios.ac.in/media/documents/sec229new/Lesson%201.pdf>

Course Code and Title	Entrepreneurship
Credit Hours	40
Faculty	Dr. Mrs. Vidya Telang
E-mail Id	vidya.telang@gmail.com

- **Course Overview : (Write about nature, relevance, scope, coverage, and applications of the course)**

The subject of Entrepreneurship has been introduced to help the students in understanding the nitty-gritty of entrepreneurship and also to know about various institutions and programmes for promotion of entrepreneurship activities and particularly small and medium scale industries by government and non-governmental organizations. Entrepreneurship is a key ingredient for economic development of the country. To achieve the same it is important to create an interest among the students to being an entrepreneur and to make them aware of the benefits and challenges of being an entrepreneur.

- **Learning Outcomes: (State learning outcomes in terms of knowledge, skills, understanding, applications, and competencies for students)**

The subject envisages the theoretical aspect of being an entrepreneur such as their qualities, features, advantages, challenges etc. Besides it the students also gain knowledge about the different forms of business organisations and their features, mode of formation, sources of finance available for the business, project identification appraisal, process of maintaining accounts, importance of small scale industries and government's role in promoting the same. The students become more competent as they gain knowledge about the entrepreneurial climate of the economy.

- **Pedagogy: (Mention various teaching methods such as lecture, case studies, power point presentations, field assignments etc.)**

The various teaching methods include oral lectures, blackboard teaching, power point presentations etc. Since the subject is still evolving it is majorly theoretical in nature, the knowledge base of the students regarding the infrastructure available for nascent entrepreneurs and the general investment climate needs to be strengthened which is achieved through makes imparting oral lectures, explanations and thorough discussion of the topic.

- **Examination Scheme:**

Assessment Components	% Weightage
External	60
Internal 1	20*
Internal 2	20*
Internal 3	20*

Assignments/Projects/Exercises	% Weightage
The assignments and projects/exercises, overall class participation etc. are evaluated on a continuous basis and a final assessment is done for the third internal.	20 (included as a part of the third internal)

Text Books/Reference Books:

1. Srinivasan N.P. – Entrepreneurial Development
 2. Saravanavel – Entrepreneurial Development
 3. Vasant Desai – Project Management
 4. Jayashree Suresh – Entrepreneurial Development
 5. Holt – Entrepreneurship – New Venture Creation
 6. J.S. Saini & S.K. Dhameja – Entrepreneurship and Small Business
 7. P.C. Jain – Handbook for New Entrepreneurs
 8. Dr. C.B. Gupta & Dr. S.S.Khanka – Entrepreneurship and Small Business
 9. Vasanth Desai – Management of Small Business Himalaya Publishers
 10. C.B. Gupta – Management of Small Business Sultan Chand and Sons
 11. S.S. Kanka, S. Chand and Co – Entrepreneurial Development
- *The students are advised to refer the latest editions of the books to remain updated about the latest introductions in the books.*

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	1. Concept of Entrepreneurship – Meaning – Types – Qualities of an Entrepreneur – Classification of Entrepreneurs – Factors influencing Entrepreneurship – Functions of Entrepreneur.	Discussion and explanation of the topic. Self made notes given to students.
7	2. Forms of organization- Sole Proprietorship, Partnership and Company and their features, advantages and disadvantages.	Discussion and explanation of the topic. Self made notes given to students.
7	3. Sources of Finance- Domestic and global, their features and merits and demerits	Discussion and explanation of the topic. Self made notes given to students.
8	4. Project Management- Business idea generation techniques – Identification of Business opportunities – Feasibility study – Technical, Marketing, Finance, Economic and Social Appraisal– Preparation of Project Report.	Discussion and explanation of the topic. Self made notes to be given to students.
4	5. Importance of small scale industries – Definition – Contribution to national economy – Classification of small scale units – Cottage, tiny, village, ancillary, KVI Cent. Industrial Estates – Concept, Infrastructure for small business units. Procedures in setting of small scale units – Licensing – Registration – Financing – Working capital – Financing institutions.	Discussion and explanation of the topic. Self made notes to be given to students.
4	6. Institution for the development of small scale industries – NSIC, SIDCO, SIDO, SISI , Development Commissioner – TANSI, SIDCO, DIC, Directorate of Industries and Commerce. Concessions , rebates, incentives and subsidies to small scale units – Prime Minister’s Rojgar Yojna (PMPY) EPZ and 100% EQUs, Sickness of small scale units and revival.	Discussion and explanation of the topic. Self made notes to be given to students.

6	7. Double Entry Book-keeping: concepts, rules of accounting, process of accounting.	Discussion and explanation of the topic giving an overview of how accounts are maintained, concepts and rules of accounting, and the various types of records and statements made to be taught to the students
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- **Additional Resources / Web links:**

The students are provided with notes, extra questions for practice wherever deemed necessary. They are also advised to look up on the other web resources for extra knowledge.

Course Code and Title	243 – Economics of Social Sector and Gender
Credit Hours	40 Lectures (4 lectures per week)
Faculty	Prof. Gyan Prakash
E-mail Id	rgyanp5@gmail.com

Course Overview : The objective of this paper is to provide the knowledge regarding the role of social sector and gender in economic development.

Learning Outcomes: This paper provides knowledge about the costing of education and health care . Besides all gives knowledge about gender economics

Pedagogy: Teaching methods used are: lectures, case studies & power point presentations.

Examination Scheme:

Assessment Components	% Weightage
External	60
Internal 1	20
Internal 2	20
Internal 3	20
Best of two Internals are counted	

Assignments/Projects/Exercises	% Weightage
Assignments and Projects	20

- **Text Books and Reference Books:**

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
4	Education as an instrument for economic growth , Economic of Education, Cost of Education.	
4	Expenditure of education, Direct & indirect benefit : Education Planning and economic growth	
2	manpower planning ,.	
2	educational finance	
3	. Economics of Health Essentials of Health Economics	
2	Determinant Factor of Health, Externalities	
4	Health care , Health care and Insurance	
4	Problems of Public Health in low Income countries	
4	Problems reforms and lessons for India Infrastructure of health care system in India	
2	Gender Economics- Strategy for Women Development in India	
2	. Role of N.G.O in Women	
2	Development in India . Development index (Human Development index. Gender Development index	
2	Gender Empowerment measure (GEM)	
2	Women in Media.	
3	Factor Affecting Decision making by women	
2	Gender Discrimination, Gender Bias.	

Course Code and Title	233- Environmental Economics
Credit Hours	40 Lectures (4 lectures per week)
Faculty	Prof. Gyan Prakash

E-mail Id	rgyanp5@gmail.com
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Course Overview : Environment is a major issue in today's times. This paper helps to understand the nexus between environment and economic development.

Learning Outcomes: Students become aware about the environmental significance and its implications if it is ignored.

Pedagogy: Teaching methods used are: lectures, case studies & power point presentations.

Examination Scheme:

Assessment Components	% Weightage
External	60
Internal 1	20
Internal 2	20
Internal 3	20
Best of two Internals are counted	

Assignments/Projects/Exercises	% Weightage
Assignments and Projects	20

• **Text Books and Reference Books:**

1. The limits of Growth, each Island D.Meacadows et al
2. The role of uniform standards in international Environmental Management OECD Paris
3. Environment Economic D.W.Pearee, longman ltd. New York.
4. Economics & Environment M.Edil prentice Hail New Jersey
5. Economics & Ecology D.W.Pearee.

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
02	Measuring of Environment & Ecology	
02	Significances of Environmental balance	
01	Role of Economic in Environment	
02	Nature of Environmental Economics.	
02	Model of Market Failure – Environmental problems-	

04	A market failure Environmental quality A public good. Environmental problems Externalities Positive & Negative	
04	Conventional solutions to Environmental Problems	
04	The command and control Approach, Economic solutions to Environmental problems	
02	The market approach pollution charges, Environmental Subsidies	
02	Deposit/Refund System pollution permit trading system	
03	Assessing benefits for Environmental Decision making	
04	Cost benefit Analysis in Environmental decision making	
04	Conflicts between Environment Economic Development and Population growth	
04	Environmental Law & their implementation	

Additional Resources / Web links: case study and ppts

Course Code and Title	211C - Public Economics
Credit Hours	40 Lectures (4 lectures per week)
Faculty	Prof. Gyan Prakash
E-mail Id	rgyanp5@gmail.com

Course Overview : To develop the conceptual frame work about government's public economic policies and annual budgeting.

Learning Outcomes: Students become able to understand about government budget and its implications.

Pedagogy: Teaching methods used are: lectures, case studies & power point presentations.

Examination Scheme:

Assessment Components	% Weightage
External	60
Internal 1	20
Internal 2	20
Internal 3	20

Best of two Internals are counted

Assignments/Projects/Exercises	% Weightage
Assignments and Projects	20

• **Text Books and Reference Books:**

1. R.A.Musgrave Theory of Public Finance
2. Allan Brownlee Economics of Public Finance
3. A.C.Pigou Public Finance
4. R.N.Bhargava Theory of Working Union of Finance in India
5. N.R.Bahrgava Indian Public Finance
6. A.E.A. Reading in Fiscal Policy
7. A.P.Lerner Economics of Employment (Relevant Chapters)
8. B.R.Mishra Indian Federal Finance
9. Andley & Sundharam Public Economics and Public Finance (Also Hindi Edition)

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
03	Public Choice Voting and Resource Allocation, Public Choice analysis, The Growth of Government	
03	Role of Govt, in Organized Society - Govt, as an agent for Economic Planning & Development	
02	Concept of Public Goods, Private Goods and Merit Goods.	
04	Theory of Maximum, Social Advantage Theory Dalton, Pigous Musgrav	
04	Public Expenditure - Wagner's Law of Increasing State Activities, Wiesman, Peacock hypothesis.	
04	Effects of Public Expenditure Efficiency. Effect, Incentive Effect, Allocative Effect on Distribution	
02	Employment, Economic Stability & Economic Development	
01	Dalton's Norm of Public Expenditure	
02	Fiscal policy and its objectives	
04	Economics of Taxation - Canons of Taxation, Taxable Capacity,	
01	Factors Determining Taxable Capacity Its Significance.	
02	Theories of Taxation Benefit Theory	
02	The Cost Service Theory and Ability to Pay Theory,	

03	Incidence of Taxes. Effects of Taxation Efficiency Effect, Incentive Effect, Allocative Effect. Effect on Distribution, On Employment, On Economic Stability	
03	Debt- Public Debt & Economic Growth, Public Debt and Inflation, Public Debt as a means of regulating economy. Debt Burden, Debt Redemption. Defect financing	

- **Additional Resources / Web links:** case study and ppts

Course Code and Title	105 – Indian Economic Policy
Credit Hours	05
Faculty	Dr Ganesh Kawadia
E-mail Id	Ganesh.kawadia@gmail.com

- **Course Overview :** To have in-depth knowledge about policy measures in different sectors of Indian economy and their implications.
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- **Learning Outcomes:** Need and rational of economic policies
- **Pedagogy:** Class room teaching, assignment and Case studies
- **Examination Scheme:**

Assessment Components	% Weightage
External	60
Internal 1	40 best two
Internal 2	
Internal 3(assignments)	

Assignments/Projects/Exercises/ppts	% Weightage
Monetary Polices	
Food security	
Over view of Indian economic growth	

- **Text Books:** Indian Economy by Mishra and Puri, Himalya Publishing house

- **Reference Books:** (i) Various Issues of Economic and political weekly, **Economic Survey, Planning commission Reports**
- **Environmental Issues of Development** by **Ganesh Kawadia and Kanhaiya Ahuja**, Associate Publishers, Ambala Cent

Session Plan:

Sessions	Topics	Chapters/ Readings / Study Material / Cases
03	Framework of Indian Economy	As per the references
02	Demographic features	
03	Poverty and inequality	
05	Development Strategies in India	
03	Employment and unemployment	
04	Agricultural Pricing	
04	Economic Reforms	
04	Infrastructure Development	
04	Social Infrastructure	
04	Indian Financial System	
03	Monetary Policy	
04	Industrialization.	
03	Labour Market	
04	Foreign Trade Policy	
02	Fiscal Policy	

- **Additional Resources / Web links:** www.rbi.org.in
- www.epw.org.in
- www.cso.org.in
- www.nssso.org.in