



AMITY UNIVERSITY
— R A J A S T H A N —

Bachelor of Arts (Honours) - Economics

Programme Code: BAE

Duration – 3 Years Full Time

**Programme Structure
And
Curriculum & Scheme of Examination**

2017-2020

Amity School of Liberal Arts

**AMITY UNIVERSITY RAJASTHAN
JAIPUR**

PREAMBLE

Amity University aims to achieve academic excellence by providing multi-faceted education to students and encourage them to reach the pinnacle of success. The University has designed a system that would provide rigorous academic programme with necessary skills to enable them to excel in their careers.

This booklet contains the Programme Structure, the Detailed Curriculum and the Scheme of Examination. The Programme Structure includes the courses (Core and Elective), arranged semester wise. The importance of each course is defined in terms of credits attached to it. The credit units attached to each course has been further defined in terms of contact hours i.e. Lecture Hours (L), Tutorial Hours (T), Practical Hours (P). Towards earning credits in terms of contact hours, 1 Lecture and 1 Tutorial per week are rated as 1 credit each and 2 Practical hours per week are rated as 1 credit. Thus, for example, an L-T-P structure of 3-0-0 will have 3 credits, 3-1-0 will have 4 credits, and 3-1-2 will have 5 credits.

The Curriculum and Scheme of Examination of each course includes the course objectives, course contents, scheme of examination and the list of text and references. The scheme of examination defines the various components of evaluation and the weightage attached to each component. The different codes used for the components of evaluation and the weightage attached to them are:

<u>Components</u>	<u>Codes</u>	<u>Weightage (%)</u>
Case Discussion/ Presentation/ Analysis	C	05 - 10
Home Assignment	H	05 - 10
Project	P	05 - 10
Seminar	S	05 - 10
Viva	V	05 - 10
Quiz	Q	05 - 10
Class Test	CT	10 - 15
Attendance	A	05
End Semester Examination	EE	70

It is hoped that it will help the students study in a planned and a structured manner and promote effective learning. Wishing you an intellectually stimulating stay at Amity University.

July 2017

CBCS PROGRAMME STRUCTURE
Bachelor of Arts (Honours) – Economics (2017-2020)

Credits Summary

B.A. Economics UG (3 years/ 6 semesters)						
Semester	Core Course CC	Domain Electives DE	Value Added Course VA	Open Electives OE	Non-Teaching Credit Courses (NTCC)	Total
I	13	3	4	3		23
II	14	3	8	3		28
III	10	3	4	3		20
IV	16	3	4	3	3	29
V	12	3	4	3	9	31
VI	10	3	4	3	9	29
Total	75	18	28	18	21	160

Core	CC
Domain Electives	DE
Value Added Course	VA
Open Electives	OE
Non - Teaching Credit Courses (NTCC)	NTCC

**PROGRAMME STRUCTURE
BA (Hons.) ECONOMICS**

FIRST SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 101	Micro Economics – I	CC	3	0	0	3
BAE 102	Mathematical Methods for Economics	CC	3	1	0	4
BAE 103	Agricultural Economy of India	CC	3	0	0	3
BAE 104	Computers in Management	CC	2	1	0	3
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 105	Business Environment	DE	3	0	0	3
BAE 106	Economic History of India (1857-1947)	DE	3	0	0	
BAE 107	Rural Economics	DE	3	0	0	
BCS 101	English- I	VA	1	0	0	1
BSS 103	Behavioral Science-I	VA	1	0	0	1
	Foreign Language-I (Select any One)	VA	2	0	0	2
FLN 101	French					
FLG 101	German					
FLS 101	Spanish					
FLC 101	Chinese					
		OE	3	0	0	3
Total					0	23

SECOND SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 201	Micro Economics – II	CC	3	1	0	4
BAE 202	Indian Economy - Performance and Policies	CC	3	0	0	3
BAE 203	Statistical Methods in Economics – I	CC	3	1	0	4
BAE 204	Mergers and Acquisitions	CC	3	0	0	3
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 205	Readings in Economics	DE	3	0	0	3
BAE 206	Economic System & Society	DE	3	0	0	
BAE 207	History of Economic Thought	DE	3	0	0	
BAE 208	Legal Aspects of Business	DE	3	0	0	
EVS 001	Environment Studies	VA	4	0	0	4
BCS 201	English-II	VA	1	0	0	1
BSS 203	Behavioral Science-II	VA	1	0	0	1
	Foreign Language-II (Select any One)	VA	2	0	0	2
FLN 201	French	OE	3	0	0	3
FLG 201	German					
FLS 201	Spanish					
FLC 201	Chinese					
	Total					28

THIRD SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 301	Macro Economics – I	CC	3	0	0	3
BAE 303	Statistical Methods in Economics – II	CC	3	1	0	4
BAE 304	Operations Research	CC	3	0	0	3
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 305	Economics of Entrepreneurship	DE	3	0	0	3
BAE 306	Environmental Economics	DE	3	0	0	
BAE 307	E commerce	DE	3	0	0	
BCS 301	Communication Skill –I	VA	1	0	0	1
BSS 303	Behavioral Science-III	VA	1	0	0	1
	Foreign Language-III (Select any One)	VA	2	0	0	2
FLN 301	French	OE	3	0	0	3
FLG 301	German					
FLS 301	Spanish					
FLC 301	Chinese					
	Total		11	0	0	20

FOURTH SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 401	Macro Economics – II	CC	3	1	0	4
BAE 402	Public Finance-	CC	3	0	0	3
BAE 403	Principles of Management	CC	3	0	0	3
BAE 404	Research Methodology	CC	3	0	0	3
BAE 405	Term Paper	CC	3	0	0	3
BAE 406	Money and Banking	CC	3	0	0	3
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 407	Gender Economics	DE	3	0	0	3
BAE 408	Demography	DE	3	0	0	
BAE 409	Urban Economics	DE	3	0	0	
BCS 401	Communication Skills –II	VA	1	0	0	1
BSS 403	Behavioral Science-IV	VA	1	0	0	1
	Foreign Language-IV (Select any One)	VA	2	0	0	2
FLN 401	French					
FLG 401	German					
FLS 401	Spanish					
FLC 401	Chinese					
		OE	3	0	0	3
Total						29

FIFTH SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 501	International Economics	CC	3	0	0	3
BAE 502	Strategic Management	CC	3	0	0	3
BAE 503	Financial Markets	CC	3	0	0	3
BAE 504	Industrial Economics	CC	3	0	0	3
BAE 505	Summer Training (Evaluation)	CC	0	0	0	9
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 506	Economics of Infrastructure	DE	3	0	0	3
BAE 507	Labour Economics	DE	3	0	0	
BAE 508	Comparative Economic Development	DE	3	0	0	
BCS 501	Communication Skills –III	VA	1	0	0	1
BSS 501	Behavioral Science-V	VA	1	0	0	1
	Foreign Language-V (Select any One)	VA	2	0	0	2
FLN 501	French					
FLG 501	German					
FLS 501	Spanish					
FLC 501	Chinese					
		OE	3	0	0	3
	Total					31

SIXTH SEMESTER

Code	Course	Category	L	T	P/FW	Credit Units
BAE 601	Economic Growth and Development	CC	3	0	0	3
BAE 602	Econometrics—Basic Theory & Application	CC	3	1	0	4
BAE 603	Business Information & Data Base System	CC	3	0	0	3
BAE 604	Dissertation	CC	0	0	0	9
DE Electives: Student has to select 1 course from the list of following DE electives						
BAE 605	Business Ethics & Corporate Governance	DE	3	0	0	3
BAE 606	Economics of Health and Education	DE	3	0	0	
BAE 607	Human Resource Development	DE	3	0	0	
BCS 601	English- I	VA	1	0	0	1
BSS 601	Behavioral Science-I	VA	1	0	0	1
	Foreign Language-I (Select any One)					
FLN 601	French	VA	2	0	0	2
FLG 601	German					
FLS 601	Spanish					
FLC 601	Chinese					
		OE	3	0	0	3
	Total					29

Minor Track-1

Course Code	Course	L	T	P	Total Credit
BAE 101	Micro Economics	3	-	-	3
BAE 202	Indian Economy: Performance & Policy	3	-	-	3
BAE 301	Macro Economics	3	-	-	3
BAE 402	Public Finance	3	-	-	3
BAE 501	International Economics	3	-	-	3
BAE 601	Economic Growth and Development	3	-	-	3

Open Elective

S. No.	Course Name	No. of credit to be earned	Prerequisite if any
BAE 101	Micro Economics	15	No prerequisites
BAE 202	Macro Economics		
BAE 301	Indian Economy		
BAE 402	Public Finance		
BAE 501	International Economics		
BAE 601	Development Economics		

MICRO ECONOMICS – I

Course Code BAE 101

L-3/T-0/P-0

Credits-03

Course Objective: The course aims at familiarizing the students with Economic concepts and Theories so that they can apply economic theories and models in the execution of managerial problems & functions. The course will illustrate how microeconomic concepts can be applied to analyze real life situations.

Course Contents:

Module I: Exploring the Subject Matter of Economics

Why study economics? The scope and method of economics; scarcity and choice; questions of what, how and for whom to produce and how to distribute output (4 Lecture)

Module II: Supply and Demand: How Markets Work, Markets and Welfare

Individual demand and supply schedules and the derivation of market demand and supply; shifts in demand and supply curves; the role prices in resource allocation; Elasticity of Demand — price, income and cross; Consumer's surplus (8 Lecture)

Module III: Consumer's Behavior

Utility-cardinal and ordinal approaches, Indifference curves; budget constraints;. Consumer's equilibrium (Hicks and Slutsky); Giffin goods; Compensated demand; Revealed preference theory; Engel curve. (8 Lecture)

Module IV: Theory of Production and Costs:

Production function: production with one and more variable inputs, Total, Average, and Marginal Product, Returns to scale: Isoquants and Isocosts; cost curves in the short run and long run. Cost minimization and expansion path, elasticity of substitution, Cobb Douglas, Linear, and CES production function (Only introduction). (11 Lecture)

Module V: Market Structure

Perfect competition, Monopoly and Monopolistic Competition, Oligopoly: Price and Output determination under short run and long run. Peak Load Pricing (11 Lectures)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Ahuja H.L. (2010) Principles of Microeconomics, 18th Edition, S. Chand& Co. Ltd.
- N. Gregory Mankiw (2007), Economics: Principles and Applications, 4th edition, India edition by South-Western, a part of Cengage Learning, Cengage Learning India Private

References:

- Koutsyanni's, Modern Microeconomics, Macmillan.
- M.L. Trivedi, Managerial Economics- Theory & Applications, Tata McGraw Hill, 2002.
- W.J. Baumol, Economic Theory & Operations Analysis, Prentice Hall.
- Robert S. Pindyk and D.L. Rubinfeld, (2000), *Microeconomics*, 3rd edition, Prentice Hall India.
- Ferguson & Gould- Micro Economic Theory, Cambridge University Press

MATHEMATICAL METHODS FOR ECONOMICS

Course Code BAE 102

L-3/T-1/P-0

Credits-04

Course Objective:

The main objective of inclusion of this course in Economics is to familiarize the students with basic quantitative & algebraic tools & techniques which will be needed for the understanding of the core subject and the students can apply the quantitative techniques in the analysis of managerial problems.

Course Contents:

Module I: Matrices and Determinants

Types; Transpose, Trace, Ad Joint and Inverse of Matrices; Solution of a system of two and three equations by Matrix Inverse and Cramer's methods; Linear independence and Linear dependence of vectors; Rank of a matrix; Simple application questions. Application in Input-Output analysis

Determinants: definition, properties, minors and cofactors, the Laplace expansion, expansions by alien cofactors; singularity and invertibility; the adjoint matrix and formula for the inverse. (12 Lecture)

Module II: Basic Concepts:

Functions and their graphs, Limits and Continuity, Equations – simple, quadratic and simultaneous and Identities; Equations of a straight line, concept of slope; Equation and interpretation of Rectangular Hyperbola (8 Lecture)

Module III

Partial and Total differentiation; Homogenous function and Euler's Theorem; Maxima and Minima of Functions of one and two variables; Constrained Optimization Problem (with maximum three variables); Integration of a function; Methods of Substitution and Partial fractions (12 Lecture)

Module IV

The derivative of a function, differentiability and continuity, techniques of differentiation; sums, products and quotients of functions; composite functions and the chain rule, Inverse functions, Implicit differentiation, Second and higher order derivatives, Points of inflexion, Differentials and linear approximation, Exponential and logarithmic functions, Logarithmic differentiation (12 Lecture)

Module V

Maxima and minima; saddle points, unconstrained optimization, necessary and sufficient conditions for local optima.

Constrained optimization (equality constraints), the method of Lagrange multipliers. Interpretation of the necessary conditions and of the Lagrange multiplier; Sufficient conditions. Envelope results. Economic examples (12 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Mabbett. AS., Workout Mathematics for Economics, Macmillan, London.
- Mehta & Madnani, Mathematics for Economics, Sultan Chand, New Delhi.

References:

- Knut Sydsaeter and Peter. J. Hammond (2002) Mathematics for Economic Analysis, Pearson Educational Asia: Delhi (reprint of 1st 1995 edition).
- Alpha C. Chiang (1984) Fundamental Methods of Mathematical Economics. McGraw Hill (3rd edition).

AGRICULTURAL ECONOMY OF INDIA

Course Code BAE 103

L-3/T-0/P-0 Credits-03

Course Objective: This subject is aimed at providing knowledge on the agricultural economy of India, its development, productivity, rural indebtedness and defects in the agricultural market and to develop a critical study on recent agricultural crises in India

- To familiarize the agricultural situation in India
- To provide sound knowledge base on India's Agricultural economy before green revolution and after it.
- To develop a critical study on recent Agricultural crises in India.

Course Contents:

Module I

Features of Agriculture, nature and scope of Agricultural Economics: Importance of Agriculture in the Indian Economy, Growth and trends in Indian agriculture (5 Lecture)

Module II

Agriculture Development in India: Subdivision and Fragmentation of holdings in India, Land Tenure and Land Reforms. Rural Electrification, Economics of Rural Transportation and Communication
Productivity in Agriculture, New Agriculture Strategy- Green Revolution, Food Security and food policy of India, Agriculture price policy in India, Public Distribution system (13 Lecture)

Module III

Rural Indebtedness, Causes and measures, Sources of Agricultural Credit, Micro Finance and Self Help Groups
Agricultural Marketing- functions, defects and reforms, Co-operative marketing, Farm management and its practices (12 Lecture)

Module IV

Sustainable Agricultural growth- Concepts & Constraints, Introduction of Second Generation Economic Reforms, WTO in relation to Indian Agriculture, Commodity Futures Market in India, Contemporary Issues in Indian Agriculture (12 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Gaurav Datt and Mahajan (2014) Datt and Sundaram Indian Economy, S. Chand & Co. Ltd, New Delhi.
- Bansil.B.C. Agricultural Problems of India, Vikas Publishing House. Pvt. Ltd., New Delhi.

References:

- Misra and Puri, Indian Economy, Himalaya Publishing House, Bombay.
- Sankaran.A. Agricultural Economy of India, Progressive Corporation. Pvt. Ltd., Bombay.
- Srivastava.O.S. Agricultural Economics, Rawat Publications, Jaipur, 1996.
- Ashok Gulati (2000), Indian Agriculture in an Open Economy: Will it Prosper? In Ahluwalia & Little (eds) India's Economic reforms & developmet: Essay for Manmohan Singh, Oxford University Press.

COMPUTERS IN MANAGEMENT

Course Code BAE 104

L-3/T-0/P-0

Credits-03

Course Objective : The objective of this subject is to provide conceptual knowledge of the information technology to the future Managers. This subject highlights the topics like Database Management, Networking, Internet, E-commerce etc., which can help managers to take routine decisions very efficiently

Course Contents: Module I: World of Computers

Introduction to world of Computers, Computers in home (Reference, Education & Communications, Entertainment and Digital Media Delivery, Smart Appliances, Home Computers), Computers in education, Computers in workplace (productivity and decision making, customer services, communications), Computers on the move (Portable and Hand held computers, Self-Service kiosks, GPS Applications), Support Systems - Hardware and Software, Computer Peripherals, Memory Management.

Module II: Computer Networks

Introduction to Computer Networks, Networking components, Classification and types of Networks, Network Topologies – Overview with Advantages and Disadvantages, Communication Channels, Client Sever Architecture, LAN concepts.

Module III: Internet Technology & World Wide Web

Introduction to internet intranet and Extranet, Myths about the Internet, Basic concepts of internet, Domain Name Service, Internet Protocols and Addressing, Services of internet, Internet and support Technologies, Censorship and Privacy issues.

Module IV: E-commerce

Introduction, E-Commerce Vs E-Business, Advantages & Disadvantages, E-Commerce Business Models, E-Commerce Technologies, Hosting E-Commerce Site – Planning and constructing web services, E-Commerce Applications, E-Core Values – Ethical, Legal, Taxation and International issues, E-Commerce Security Issues, Internet based Payment System.

Module V: Enterprise Resource Planning

Introduction, Scope and Benefit, ERP and related technologies (BPR, MIS, DSS, EIS, SCM, OLAP, etc), ERP implementation methodology – implementation life cycle, ERP and its success factors, Pitfalls and management concerns, ERP Market – renowned vendors and the packages.

Module VI: Database Management System

Introduction, Need for DBMS, Components of DBMS, Benefits of DBMS over Tradition File System, classification and types of Database Models, Database Approach – Its benefits and Disadvantages.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References: Text:

■ Deborah Morley - Understanding Computers: Today & Tomorrow, Eleventh Edition, April 11, 2007, Thomson

References:

- Rajaraman, V. 1998, An Introduction to Computers, Prentice Hall of India.
- Nagpal, 1999, Computer Fundamentals, Wheeler Publishing, New Delhi.
- Bhatnagar, S.C. and Ramani, K.V., Computers and Information Management.
- Hunt and Shelly. 1994, Computers and Commonsense, Prentice Hall of India

BUSINESS ENVIRONMENT

Course Code BAE 105

L-3/T-0/P-0

Credits-03

Course Objective:

To develop your capacity to think strategically about a company, its business position, how it can develop a sustainable competitive advantage and how its strategy can be implemented and executed successfully. To build your skills in conducting strategic analysis in a variety of industries and competitive situations and, especially, to provide you with a stronger understanding of the competitive challenges of a global market environment. To integrate the knowledge gained in earlier courses in order to achieve sound strategic options, evaluate action alternatives, assess its business risk and create action oriented plans.

Course Contents:

Module I: Historical and Social Roots of Indian Business Environment

Evolution of market economy in India - Comparison between Planned economy and market economy--- Socialist system and market economy

Module II: Evolution of Politico-Economic Ideology in the Post-Independence period

Determinants of economic growth: Role of Institutions and geography-India's development strategy and economic performance-Corporate social responsibility

Module III: Economic and social transformation in the planning period and implications for business

Industrial climate - perspective - industrial Policy

Module IV: International Business Environment

Theories of Comparative Advantage - Foreign Exchange: The International Payments Process - Globalization in China and India - A comparison - International Business - Trading and regulatory environment - Country risk analysis

Module V: Change in the Indian Business Environment: Economic Reform in India

Forces of globalization: effects on India

Module VI: Implication of Globalization for Indian Business

Agreement establishing the WTO --- India's patent policy and TRIPs

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

- Sundaram, A.K. and J.S. Black, The International Business Environment (IBE), Prentice Hall, New Delhi

ECONOMIC HISTORY OF INDIA (1857-1947)

Course Code BAE 106

L-3/T-0/P-0

Credits-03

Course Objective: It will throw light on the economic history which will subsequently help the students to understand the trend of economic growth & development.

Course Contents:

Module I: Colonial India: Back Ground and introduction

Over view of Colonial economy

Module II: Trends in macroeconomic aggregates

Population, labour force and occupational structure; National Income: Foreign trade and balance of payments

Module III: Agriculture

Agrarian structure and land relations, agricultural markets and institutions, Credit, commerce and technology; trends in performance and productivity, famine

Module IV: Traditional and Modern Industry

The deindustrialization hypothesis, rise of the modern industrial sector during the pre-war and the interwar period, industrial labour, growth of entrepreneurship. Railways and Economic Change

Module V: The Indian Economy at Independence

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Tirthankar Roy (2000), The Economic History of India, 1857-1974, Oxford University Press, Ch. 3,4,7,8 & 9.
- Rajnarayan Chandavarkar (1985), "Industrialization in India before 1947: Conventional Approaches and Alternative Perspectives", Modern Asian Studies.

References:

- A.K. Bagchi (1976), "Deindustrialization in India in the Nineteenth Century: Some theoretical implications", Journal of Developmental Studies.
- A.K. Bagchi (1972), Private Investment in India, Orient Longman (1st ed), Ch.2.
- J.N. Bhagwati and Padma Desai (1970), India, Planning for Industrialization, Oxford University Press, Chs. 2 & 3.
- Morris D. Morris (1965), The Emergence of an Industrial Labour Force in India: A Study of the Bombay Cotton Mills 1854-1947, Oxford University Press, last chapter.
- Rajat Ray (ed) (1992), Entrepreneurship and Industry in India, 1800-1947, Oxford University Press.
- Rajat Ray (1979), Industrialization in India, Oxford University Press, Ch. 4

RURAL ECONOMICS

Course Code BAE 107

L-3/T-0/P-0

Credits-03

Course Objective : The course on Rural Development attempts to sensitize students about the dynamics of changes in the rural economy. It includes the study of problems faced by rural population and also includes the critical review of various schemes and projects that benefit the rural population. Emphasis will be on the study of rural development as an integral part of overall socioeconomic development.

Module I

Rural Development – An overview, Importance, Scope & Objectivities, Traditional and Modern Concept, Dimensions and Rationale for Rural Development. (6 Lecture)

Module II

Theoretical approach to development: Marx, Rostov, Myrdal, International Dependence Theory, V.M. Dandekar's Approach to Rural Development. Various approaches to Rural Development – Gandhian approach for Community development, I.A.D.P., I.R.D.P., N.R.E.G.A., Neo Gandhian, (PURA), Need Based and demand based centers. Evaluation of policies and programme for rural development in India (12 Lecture)

Module III

A survey of contemporary rural sectors with special reference to poverty, income inequality & unemployment, rural indebtedness & environment; Contract Farming, Corporate Farming, the Role of Rural Technology, Globalisation of Rural Economy, Information Technology and Rural Development (12 Lecture)

Module IV

Review of progress in rural industrialisation and rural non-firm employment in India. Farm Business Activities and Agribusiness, Food security and commercialization in India and Make in India (12 Lecture)

Text Book:

1. Desai, Vasant - Study of Rural Economics, Himalaya Publishing Company, New Delhi.
2. Jain S.P. – Indian Rural Economics Vikas, New Delhi
3. Mishra Puri – Indian Economy, Himayala Publishing House, Mumbai.
4. Datt , Sundaram - Indian Economy , S.Chand and Company, New Delhi.

References

- V. M. Dandekar and N. Rath, Poverty in India.
- K. Sen, Poverty and Famine-An Essay on Entitlement and deprivation.
- Raj Krishna, 'Rural Unemployment: A Survey of Concepts', in C.H. Shah (ed), Agricultural Development in India: Policy and Problem.
- S. Sau, 'Integrated Rural Development Programme in West Bengal; An Appraisal in all-India Perspective,' Economic Development Review, Volume I, 1990.
- V.M. Rao, 'Evolution of rural development programmes in India', in U.G. Jha (ed), Rural Development in India Problems and Prospects, Anmol publications Pvt. Ltd., 1999.
- Das, P., Rural Non-Farm Employment in India, Pattern of Growth and Determinants, Firma KLM Pvt. Ltd., 2011.
- S. Mukhopadhyay & C.P. Lim, Rural non-farm activities in the Asian region: An Overview from S. Mukhopadhyay & C.P. Lim (ed) 1985.
- Srivastava, R. (2011), 'Social Protection for Workers in India...', Keynote paper, 53rd Conference, ISLE.
- Kanan, K.P., Sribastava, Sengupta (2006), 'Social Security for unorganised sector: A major national initiative', EPW, August 12.
- NCEUS (2007), 'Social security for Unorganised Workers', New Delhi, May.
- NCEUS (2009), 'The Challenge of Employment: An informal economy perspective', Government of India and New Delhi: Academic Foundation.

ENGLISH-I

Course Code BCS 101

L-1/T-0/P-0 Credits-01

Course Objective:

The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.

Course Contents:

Module I: Vocabulary

Use of Dictionary

Use of Words: Diminutives, Homonyms & Homophones

Module II: Essentials of Grammar - I

Articles

Parts of Speech

Tenses

Module III: Essentials of Grammar - II

Sentence Structure

Subject -Verb agreement

Punctuation

Module IV: Communication

The process and importance

Principles & benefits of Effective Communication

Module V: Spoken English Communication

Speech Drills

Pronunciation and accent

Stress and Intonation

Module VI: Communication Skills-I

Developing listening skills

Developing speaking skills

Module VII: Communication Skills-II

Developing Reading Skills

Developing writing Skills

Module VIII: Written English communication

Progression of Thought/ideas

Structure of Paragraph

Structure of Essays

Module IX: Short Stories

Of Studies, by Francis Bacon

Dream Children, by Charles Lamb

The Necklace, by Guy de Maupassant

A Shadow, by R.K.Narayan

Glory at Twilight, Bhabani Bhattacharya

Module X: Poems

All the Worlds a Stage

To Autumn

O! Captain, My Captain.

Where the Mind is Without Fear

Psalm of Life

Shakespeare

Keats

Walt Whitman

Rabindranath Tagore

H.W. Longfellow

Examination Scheme:

Components	A	CT	HA	EE
Weightage (%)	05	15	10	70

Text & References:

- Madhulika Jha, Echoes, Orient Long Man
- Ramon & Prakash, Business Communication, Oxford.
- Sydney Greenbaum Oxford English Grammar, Oxford.
- Successful Communications, Malra Treece (Allyn and Bacon)
- Effective Technical Communication, M. Ashraf Rizvi.

*** 30 hrs Programme to be continued for Full year**

BEHAVIOURAL SCIENCE - I

(UNDERSTANDING SELF FOR EFFECTIVENESS)

Course Code: BSS 103

L-1/T-0/P-0

Credit Units:01

Course Objective:

This course aims at imparting an understanding of:
Self and the process of self exploration
Learning strategies for development of a healthy self esteem
Importance of attitudes and its effect on personality
Building emotional competence

Course Contents:

Module I: Self: Core Competency

Understanding of Self
Components of Self – Self identity
Self concept
Self confidence
Self image

Module II: Techniques of Self Awareness

Exploration through Johari Window
Mapping the key characteristics of self
Framing a charter for self
Stages – self awareness, self acceptance and self realization

Module III: Self Esteem & Effectiveness

Meaning & Importance
Components of self esteem
High and low self esteem
Measuring your self esteem

Module IV: Building Positive Attitude

Meaning and Nature of Attitude
Components and Types of Attitudes
Relevance and Importance of Attitudes

Module V: Building Emotional Competence

Emotional Intelligence – Meaning, Components, Importance and Relevance
Positive and Negative Emotions
Healthy and Unhealthy expression of Emotions

Module VI: End-of-Semester Appraisal

Viva based on personal journal
Assessment of Behavioural change as a result of training
Exit Level Rating by Self and Observer

Text & References:

- Dressler, David and Cans, Donald: The Study of Human Interaction
- Lindzey, G. and Borgatta, E: Sociometric Measurement in the Handbook of Social Psychology, Addison – Welsley, US.
- J William Pfeiffer (ed.) Theories and Models in Applied Behavioural Science, Vol 2, Group (1996); Pfeiffer & Company

FRENCH - I

Course Code: FLN 101

L-2/T-0/P-0

Credit : 02

Course Objective:

To familiarize the students with the French language

- with the phonetic system
- with the syntax
- with the manners
- with the cultural aspects

Course Contents:

Module A: pp. 01 to 37: Unités 1, 2, Unité 3 Object if 1, 2

Only grammar of Unité 3: object if 3, 4 and 5

Contenu lexical: Unité 1: Découvrir la langue française: (oral et écrit)

1. se présenter, présenter quelqu'un, faire la connaissance des autres, formules de politesse, rencontres
2. dire/interroger si on comprend
3. Nommer les choses

Unité 2: Faire connaissance

1. donner/demander des informations sur une personne, premiers contacts, exprimer ses goûts et ses préférences
2. Parler de soi: parler du travail, de ses activités, de son pays, de sa ville.

Unité 3: Organiser son temps

1. dire la date et l'heure

Contenu grammatical:

1. organisation générale de la grammaire
2. article indéfini, défini, contracté
3. nom, adjectif, masculin, féminin, singulier et pluriel
4. négation avec « de », "moi aussi", "moi non plus"
5. interrogation: Inversion, est-ce que, qui, que, quoi, qu'est-ce que, où, quand, comment, quel(s), quelle(s)
Interro-négatif: réponses: oui, si, non
6. pronom tonique/disjoint- pour insister après une préposition
7. futur proche

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- le livre à suivre : Campus: Tome 1

GERMAN-I

Course Code: FLG 101

L-2/T-0/P-0

Credit: 02

Course Objective:

To enable the students to converse, read and write in the language with the help of the basic rules of grammar, which will later help them to strengthen their language.

To give the students an insight into the culture, geography, political situation and economic opportunities available in Germany

Course Contents:

Module I: Introduction

Self introduction: heissen, kommen, wohnen, lernen, arbeiten, trinken, etc.

All personal pronouns in relation to the verbs taught so far.

Greetings: Guten Morgen!, Guten Tag!, Guten Abend!, Gute Nacht!, Danke sehr!, Danke!, Vielen Dank!, (es tut mir Leid!),

Hallo, wie geht's?: Danke gut!, sehr gut!, prima!, ausgezeichnet!,
Es geht!, nicht so gut!, so la la!, miserabel!

Module II: Interviewspiel

To assimilate the vocabulary learnt so far and to apply the words and phrases in short dialogues in an interview – game for self introduction.

Module III: Phonetics

Sound system of the language with special stress on Diphthongs

Module IV: Countries, nationalities and their languages

To make the students acquainted with the most widely used country names, their nationalities and the language spoken in that country.

Module V: Articles

The definite and indefinite articles in masculine, feminine and neuter gender. All Vegetables, Fruits, Animals, Furniture, Eatables, modes of Transport

Module VI: Professions

To acquaint the students with professions in both the genders with the help of the verb “sein”.

Module VII: Pronouns

Simple possessive pronouns, the use of my, your, etc.

The family members, family Tree with the help of the verb “to have”

Module VIII: Colours

All the color and color related vocabulary – colored, colorful, colorless, pale, light, dark, etc.

Module IX: Numbers and calculations – verb “kosten”

The counting, plural structures and simple calculation like addition, subtraction, multiplication and division to test the knowledge of numbers.

“Wie viel kostet das?”

Module X: Revision list of Question pronouns

W – Questions like who, what, where, when, which, how, how many, how much, etc.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Wolfgang Hieber, Lernziel Deutsch
- Hans-Heinrich Wangler, Sprachkurs Deutsch
- Schulz Griesbach, Deutsche Sprachlehre für Ausländer
- P.L Aneja, Deutsch Interessant- 1, 2 & 3
- Rosa-Maria Dallapiazza et al, Tangram Aktuell A1/1, 2
- Braun, Nieder, Schmöe, Deutsch als Fremdsprache 1A, Grundkurs

SPANISH-I

Course Code: FLS 101

L-2/T-0/P-0

Credit: 02

Course Objective:

To enable students acquire the relevance of the Spanish language in today's global context, how to greet each other. How to present / introduce each other using basic verbs and vocabulary

Course Contents:

Module I

A brief history of Spain, Latin America, the language, the culture...and the relevance of Spanish language in today's global context.

Introduction to alphabets

Module II

Introduction to 'Saludos' (How to greet each other. How to present / introduce each other).

Goodbyes (despedidas)

The verb *llamarse* and practice of it.

Module III

Concept of Gender and Number

Months of the years, days of the week, seasons. Introduction to numbers 1-100, Colors, Revision of numbers and introduction to ordinal numbers.

Module IV

Introduction to *SER* and *ESTAR* (both of which mean To Be).Revision of 'Saludos' and 'Llamarse'. Some adjectives, nationalities, professions, physical/geographical location, the fact that spanish adjectives have to agree with gender and number of their nouns. Exercises highlighting usage of *Ser* and *Estar*.

Module V

Time, demonstrative pronoun (Este/esta, Aquel/aquella etc)

Module VI

Introduction to some key AR /ER/IR ending regular verbs.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

I – Interaction/Conversation Practice

Text & References:

- Español, En Directo I A
- Español Sin Fronteras

CHINESE-I

Course Code: FLC 101

L-2/T-0/P-0

Credit: 02

Course Objective:

There are many dialects spoken in China, but the language which will help you through wherever you go is Mandarin, or Putonghua, as it is called in Chinese. The most widely spoken forms of Chinese are Mandarin, Cantonese, Gan, Hakka, Min, Wu and Xiang. The course aims at familiarizing the student with the basic aspects of speaking ability of Mandarin, the language of Mainland China. The course aims at training students in practical skills and nurturing them to interact with a Chinese person.

Course Contents:

Module I

Show pictures, dialogue and retell.

Getting to know each other.

Practicing chart with Initials and Finals. (CHART – The Chinese Phonetic Alphabet Called “Hanyu Pinyin” in Mandarin Chinese.)

Practicing of Tones as it is a tonal language.

Changes in 3rd tone and Neutral Tone.

Module II

Greetings

Let me Introduce

The modal particle “ne”.

Use of Please ‘qing’ – sit, have tea etc.

A brief self introduction – Ni hao ma? Zaijian!

Use of “bu” negative.

Module III

Attributives showing possession

How is your Health? Thank you

Where are you from?

A few Professions like – Engineer, Businessman, Doctor, Teacher, Worker.

Are you busy with your work?

May I know your name?

Module IV

Use of “How many” – People in your family?

Use of “zhe” and “na”.

Use of interrogative particle “shenme”, “shui”, “ma” and “nar”.

How to make interrogative sentences ending with “ma”.

Structural particle “de”.

Use of “Nin” when and where to use and with whom. Use of guixing.

Use of verb “zuo” and how to make sentences with it.

Module V

Family structure and Relations.

Use of “you” – “mei you”.

Measure words

Days and Weekdays.

Numbers.

Maps, different languages and Countries.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

II Semester

MICROECONOMICS – II

Course Code: BAE 201 **L-3/T-1/P-0** **Credits-04**

Course Objective: The main objective of the course is to provide a deeper knowledge on some specific field of Microeconomics such as game theory, factor pricing, oligopoly & welfare.

Course Contents:

Module I: Decision theory under uncertainty: Utility functions and expected utility

Risk aversion and risk preference, insurance and investor's choice.

Asymmetric information- Adverse selection of moral hazard (concept only) (10 Lecture)

Module II: Basic notions of non-cooperative game theory

Complete information games in extensive form (relatively informal introduction) and strategic form; pure and mixed strategies; dominant strategies equilibrium, Nash equilibrium and subgame perfect equilibrium. (12 Lecture)

Module III: Oligopoly

Conjectural variation & reaction functions, analysis of Cournot & Stackelberg, Collusive Oligopoly and application of Prisoner's Dilemma of Nash equilibrium. (12 Lecture)

Module IV: Factor Pricing

Derived demand for a single input and multiple inputs in competitive & imperfect competition markets, firm demand and industry demand, collective bargaining and exploitation rent & quasi rent. (12 Lecture)

Module V: Welfare Economics

Conditions of pareto optimality in pure exchange and with production, optimality of perfect competition. (10 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- W.S. Baumol, 'Economic Theory and Operational Analysis', Prentice hall
- Ferguson, 'Microeconomic Theory', Cambridge University Press.

References:

- A K Koutsyanni's, 'Modern Microeconomics', Macmillan.
- L.M.B. Cabral, (2000) *Introduction to Industrial Organization*, MIT Press.
- P.K. Dutta (1999) *Strategies and Games: Theory and Practice*, MIT Press.
- Formson & Gould – Microeconomic Theory

INDIAN ECONOMY: PERFORMANCE & POLICY

Course Code BAE 202

L-3/T-0/P-0 Credits-03

Course Objective: This subject covers the major features of Indian Economy at Independence in the field of agriculture industry and other infrastructure of the economy. It also deals with growth of development of different phases on the current issues in Indian economy policy.

Course Contents:

Module I: Indian Economy at the time of Independence

Major features of the Indian Economy at the time of Independence (4 Lecture)

Module II: Planning in India

Objectives; Strategy; Broad achievements and failures; Current Five Year Plan — objectives, allocation and targets; New economic reforms — Liberalization, privatization and globalization; Rationale behind economic reforms; Progress of privatization and globalization (8 Lecture)

Module III: Major Economic Issues

Demographic trends and issues; education; poverty and inequality; unemployment, inflation (8 Lecture)

Module IV: External Sector

Role of foreign trade; Trends in exports and imports; Composition and direction of India's foreign trade; Balance of payments crisis; Export promotion measures and the new trade policies (8 Lecture)

Module V: Agriculture

Nature and importance; Trends in agricultural production and productivity; Factors determining productivity; Land Reforms; New agricultural strategy and green revolution (7 Lecture)

Module VI: Industry

Industrial development during the planning period; Industrial policy of 1991 and the latest Industrial policy; Growth and problems of small scale industries; Role of public sector enterprises in India's industrialization (7 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- V.M. Dandekar (1992), *Forty Years after Independence* in B. Jalan (ed.), *The Indian Economy, Problems and Prospects*, Viking Press.
- Sebastian Morris (2001), *Issues in Infrastructure Development Today: The Interlinkages*, in India Infrastructure Report, OUP.
- Ruddar Dutt and K.P.M Sundaram(2012) *Indian Economy*, S.Chand & Co. Ltd, Delhi
- Mishra & Puri(2005) *Indian Economy*, Himalayan Publishing House, Bombay

References:

- Montek Ahluwalia, (2002), *State level Performance under Economic Reforms in India*, in A.O. Krueger(ed), *Economic Policy Reforms and the Indian Economy*, Univ. of Chicago Press.
- Pranab Bardhan(2003), *Poverty, Agrarian Structure and Political Economy in India: Selected Essay*, OUP, CH.5.
- Jagdish Bhagwati, (1993), *India in Tansition, Freeing the Economy*, Clarendon Press, Ch. 2.
- J. Bhagwati and Padma Desai (1970), *India: Planning for Industrialization*, Ch 2 OUP.
- S. Chakravarty (1987), *Development Planning: The Indian Experience*, Clarendon Press.
- Jean Dreze and Amartya Sen (2002), *India: Development and Participation*, OUP, Chs. 2, 3,5,6,9.
- B.S. Minhas (1991), *Public vs Private sectors: Neglect of Lessons of Economics in Indian Policy Formulation*, R.R. Kale Lecture, Gokhale Institute of Politics & Economics, Pune.
- Mihir Rakshit (2001), *On Correcting Fiscal Imbalances In the Indian Economy: Some Perspectives*,
- Money and Finance, ICRA Bulletin, July-Sept 2001.

STATISTICAL METHODS IN ECONOMICS – I

Course Code

BAE 203

L-3/T-1/P-0

Credits-04

Course Objective: This subject will deal with all fundamental statistical methods of tools which the students have to use in economic analysis and decision making problems.

Course Contents:

Module I: Introduction:

Basic concepts: Population, Sample, Parameter, Statistic, Frequency distribution, Cumulative frequency distribution; Graphic and diagrammatic representation of data; Techniques of data collection. Sampling vs. Population, primary and secondary data.
(8 Lecture)

Module II: Central Tendency and Dispersion:

Measures of Central Tendency: Mean, Median, Mode, Geometric mean, Harmonic mean; Measures of Dispersion; Range, Quartile deviation Mean deviation, Standard deviation; Skewness and Kurtosis, Moments.
(12 Lecture)

Module III: Correlation and Regression:

Correlation: Simple; Coefficient of correlation; Karl Pearson and Rank correlation; Partial and Multiple Correlation analysis; Regression analysis – Estimation of a regression line in a bivariate distribution, Least squares method; Interpretation of correlation and regression coefficients; Coefficient of determination.
(12 Lecture)

Module IV: Time series analysis, linear and exponential trend, forecasting

Concept and components, determination of trend (Linear, Quadratic and Exponential) and seasonal indices
(12 Lecture)

Module V: Index Numbers

Concept of an index number: Laspeyer's, Paasche's and Fisher's Index Numbers; Time Reversal, Factor reversal and circular tests; Chain base index; Problems in the Construction of an index number; splicing; base shifting and use of index number for deflating other series.
(12 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Allen Webster, Applied Statistics for Business and Economics, (3rd edition), McGraw Hill, International Edition 1998.

References:

- P.H. Karmel and M. Polasek, Applied Statistics for Economists (4th edition), Pitman, Australia.
- M.R. Spiegel (2nd edition), Theory and Problems of Statistics, Schaum Series.

MERGERS AND ACQUISITIONS

Course Code: BAE 204

L-3/T-0/P-0 Credits-03

Course Objective: The main objective of this course is to familiarize the students with the basic aspects of mergers and acquisitions.

Course Contents:

Module I: Mergers and Acquisitions – Overview

Introduction – Forms of Corporate Restructuring – Expansion – Mergers and Acquisitions – Tender Offers – Joint Ventures – Sell Offs – Spin Offs – Split Offs – Split Ups – Divestitures – Equity Carve outs - Corporate Control – Premium Buy Backs – Standstill Agreements – Anti- Takeover Amendments – Proxy Contests - Changes in Ownership Structures - Share Repurchases – Exchange Offers – Leveraged Buy – out – Going Private – Issue Raised by Restructuring – History of Merger Movements.

Module II: Mergers and Acquisitions

Economic Rationale for Major Types of Mergers - Horizontal Mergers – Vertical Mergers – Conglomerate Mergers - Concentric Mergers.

Module III: Theories of Mergers

Efficiency Theories – Differential Efficiency - Inefficient Management – Operating Synergy – Pure Diversification - Financial Synergy – Strategic Realignment to Changing Environments – Undervaluation – Information and Signaling – Agency Problems and Managerialism - Takeovers as a Solution to Agency Problems

Module IV: Divestment of Public Sector Undertakings and Leveraged Buy-outs

Various takeover defenses – White Knight, Equity carve outs, Green mail, Poison Pill, Pension Parachute, Lollipop Defence, Shark Repellent, Showstopper etc., Valuation – Exchange Ratio's – Minimum & Maximum, EPS Analysis and P/E analysis, testing the synergy.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Timothy J Galpin and Mark Herndon, 2007, +
- The Complete Guide to Mergers and Acquisitions : Process Tools to Support M & A Integration at Every Level – Timothy J Galpin and Mark Herndon, 2007
- Mergers – What Can Go Wrong and How to Prevent it – Patrick A Gaughan (Wiley Finance)

References:

- Mergers and Acquisitions – Fred Weston
- M & A and Corporate Restructuring - Patrick A Gaughan (Wiley Finance Series)

READINGS IN ECONOMICS

Course Code **BAE 205**

L-3/T-0/P-0

Credits-03

Course Objective: The objective of this concentration elective is to inculcate reading habit along with value addition to the existing understanding of the subject. The book would be a kind of knowledge enhancer that would envision the student about some current thoughts related to the discipline. The book reading and its critical analysis would help broaden the intellectual horizon of the student. A contemporary and relevant book will be selected by the concerned department.

Guidelines

The student is expected to thoroughly go through the discipline related prescribed book with the objective of critically reviewing each aspect and character of the book. The student is supposed to have a detailed insight into the following:

1. Content
2. Writing style
3. Information/learning
4. Content handling
5. Characters (if any)
6. Thematic Clarity

The report is to be submitted in about 3000 words on A4 size sheets, Font 12pt., Times New Roman, 1.5 spacing. Headings in Font Size16

Evaluation Scheme

Report on the Book in 3000 words	Written Test
50 Marks	50 Marks

ECONOMIC SYSTEM AND SOCIETY

Course Code BAE 206

L-3/T-0/P-0

Credits-03

Course Objective: This course will reflect the socio-economic change in Historical perspective, capitalism as an economic system, structure of capitalism and capitalism in global context.

Course Contents:

Module I

Analyzing Socio-Economic Change in Historical Perspective

Module II

Capitalism as an economic system
Origins, nature and structure of capitalism;
Accumulation and crisis;
Alternative perspectives on capitalism.

Module III

The transition from feudalism to capitalism

Module IV: The evolving structure of capitalism

Monopoly capitalism,
The modern corporation: divorce between ownership and control;
The institutional diversity of capitalism;
Alternative perspectives on the role of state.

Module V: Capitalism in Global Context

Multinational corporations and their impact on the developing economics;
imperialism.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- J. Schumpeter (1942), Capitalism, Socialism and Democracy, George Allen and Unwin (1976 edition).
- T. Bottomore (1985), Theories of Modern Capitalism, Allen & Unwin. Chapters on Weber & Schumpeter.

References:

- D. Foley (1983), "Commodity", in T. Bottomore et al(ed.), The Dictionary of Marxist Thought., OUP, (Indian edition, Maya Blackwell, 2000)
- R. Blackburn (ed.) (1972), Ideology in Social Science, Chapter 8, Fontana
- Rodney Hilton(ed.) The Transition from Feudalism to Capitalism, Introduction
- P. Hirst and J. Zeitiln (1997), "Flexible Specialization: Theory and Evidence in the Analysis of Industrial Change", in R. Boyer et al (ed.), Contemporary Capitalism, Cambridge University Press.

HISTORY OF ECONOMIC THOUGHT

Course Code BAE 207

L-3/T-0/P-0

Credits-03

Objective : This course is essential for a student who aspires for advanced training in economics. Contemporary economic science has evolved over many centuries. The evolution of economic ideas in each instance was as much a response to immediate economic problems and policy issues as much as it was a self-conscious attempt to refine earlier analysis by correcting mistakes and filling in the gaps in analysis. Economic ideas did not evolve in isolation, but were an integral and important part of the evolution of modern social thought. Prevailing ideas of science, scientific rigour and measurement played a significant role in the shaping of economic science at each stage of its evolution. This course, tracing the history of economic thought, would enable the student to understand how contemporary economics came to be what it is.

Course Contents:

Module 1: Early Period

Nature and importance of Economic Thought: Economic thought of Plato and Aristotle Mercantilism: main characteristics; Thomas Mun — Physiocracy: natural order, primacy of agriculture, social classes (10 Lecture)

Module 2: Classical Period

Adam Smith — division of labour, theory of value, capital accumulation, distribution, views on trade, economic progress;

David Ricardo — value, theory of rent, distribution, ideas on economic development and international trade; Thomas R. Malthus — theory of population, theory of gluts;

Karl Marx — dynamics of social change, theory of value, surplus value, profit, and crisis of capitalism; Economic ideas of J.B. Say, J.S. Mill (12 Lecture)

Module 3: Marginalists

The marginalist revolution

Pigou: Welfare economics; Schumpeter: role of entrepreneur and innovations (10 Lecture)

Module 4: Keynesian Ideas

An introduction to the thoughts contributed by Lord Keynes: The aggregate economy, Liquidity Preference Theory, Marginal Efficiency of Capital and Marginal Efficiency of Investment, wage rigidities, multiplier principle, cyclical behaviour of the economy, uncertainty and role of expectations (10 Lecture)

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Hunt E.K, Lautzenheiser Mark(2011) History of Economic Thought,3rd edition, New Arival ME Sharpe
- Blackhouse, R. (1985), A History of Modern Economic Analysis, Basil Blackwell, Oxford.
- Ganguli, B.N. (1977), Indian Economic Thought: A 19th Century Perspective, Tata McGraw Hill, New Delhi.

References:

- Gide, C. and G. Rist (1956), A History of Economic Doctrines, (2nd Edition), George Harrop & Co., London.
- Grey, A. and A.E. Thomson (1980),The Development of Economic Doctrine, (2nd Edition), Longman Group, London.
- Kautilya (1992), The Arthashastra, Edited, Rearranged, Translated and Introduced by L.N. Rangaranjan, Penguin Books, New Delhi.
- Roll, E. (1973), A History of Economic Thought, Faber, London. Schumpeter, J.A. (1954), History of Economic Analysis, Oxford University Press, New York. Seshadri, G.B. (1997), Economic Doctrines, B.R. Publishing Corporation, Delhi.
- Blaug, M. (1997), Economic Theory in Retrospect : A History of Economic Thought from Adam Smith to J.M. Keynes, (5th Edition), Cambridge University Press, Cambridge.
- Dasgupta, A.K. (1985), Epochs of Economic Theory, Oxford University Press, New Delhi.

- Gandhi, M.K. (1947), *India of My Dreams*, Navajivan Publishing House, Ahmedabad.
- Koot, G.M. (1988), *English Historical Economics : 1850-1926*, Cambridge University Press, Cambridge.
- Rao, M.N. (1964), *Memoirs*, Allied Publishing House, Bombay.
- Schumpeter, J.A. (1951), *Ten Great Economists*, Oxford University Press, New York. Shionya, Y.

(1997), Schumpeter and the Idea of Social Science, Cambridge University Press, Cambridge

LEGAL ASPECTS OF BUSINESS

Course Code: BAE 208

L-3/T-0/P-0

Credit Units: 03

Course Objective:

Law and business go hand in hand. In fact, every business activity to be successful must have the backing and a sanction of law. With increasing globalization and governmental regulation for all business activities, the survival and growth of the organizations depend to a large extent on their compliance of existing regulations individually, as well as their ability to influence public policies in the area of their concern collectively. However, the course is designed to provide a broad understanding of legal issues impacting upon business and the legal processes involved in the management of an organization. Besides the legal aspects of contract management, the course will focus on important legal issues in business and management especially in today's knowledge economy and the internet environment.

Course Contents:

Module I

An Introduction to Legal Aspects in Management, Contract Formulation & its Management

Module II

Performance and Remedies for Breach of Contract, Company as Dominant Form of Business Organization

Module III

Company Formation: Basic Documents & their Implications, An invitation to investment: Prospectus, Shares and Debentures

Module IV

Management of a Company: Duties and Liabilities of Directors, Administration of Company Affairs: Minority protection & Prevention of Oppression and Mismanagement

Module V

Environmental Law and Corporate Environmental Liability, Intellectual Property Law & Management

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Akhileswar Pathak, Legal Aspects of Business, 3rd Ed., Tata McGraw-Hill Co.

References:

- Dr. Avtar Singh, Company Law (In Nutshell), Latest Edition, Eastern Book Company
- Principle of Mercantile Law (latest edition) by Dr. Avtar Singh

ENVIRONMENT STUDIES

Course Code: EVS 001

L-4/T-0/P-0

Credit Units: 04

Course Objective:

The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.

Course Contents:

Module I: The multidisciplinary nature of environmental studies

Definition, scope and importance

Need for public awareness

Module II: Natural Resources

Renewable and non-renewable resources:

Natural resources and associated problems

Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.

Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.

Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

Role of an individual in conservation of natural resources.

Equitable use of resources for sustainable lifestyles.

Module III: Ecosystems

Concept of an ecosystem

Structure and function of an ecosystem

Producers, consumers and decomposers

Energy flow in the ecosystem

Ecological succession

Food chains, food webs and ecological pyramids

Introduction, types, characteristic features, structure and function of the following ecosystem:

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)

Module IV: Biodiversity and its conservation

Introduction – Definition: genetic, species and ecosystem diversity

Biogeographical classification of India

Value of biodiversity: consumptive use, productive use, social, ethical aesthetic and option values

Biodiversity at global, national and local levels

India as a mega-diversity nation

Hot-spots of biodiversity

Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts

Endangered and endemic species of India

Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity

Module V: Environmental Pollution

Definition

Causes, effects and control measures of:

Air pollution

Water pollution
 Soil pollution
 Marine pollution
 Noise pollution
 Thermal pollution
 Nuclear pollution

Solid waste management: Causes, effects and control measures of urban and industrial wastes.

Role of an individual in prevention of pollution.

Pollution case studies.

Disaster management: floods, earthquake, cyclone and landslides.

Module VI: Social Issues and the Environment

From unsustainable to sustainable development

Urban problems and related to energy

Water conservation, rain water harvesting, watershed management

Resettlement and rehabilitation of people; its problems and concerns. Case studies.

Environmental ethics: Issues and possible solutions

Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.

Wasteland reclamation

Consumerism and waste products

Environmental Protection Act

Air (Prevention and Control of Pollution) Act

Water (Prevention and control of Pollution) Act

Wildlife Protection Act

Forest Conservation Act

Issues involved in enforcement of environmental legislation

Public awareness

Module VII: Human Population and the Environment

Population growth, variation among nations

Population explosion – Family Welfare Programmes

Environment and human health

Human Rights

Value Education

HIV / AIDS

Women and Child Welfare

Role of Information Technology in Environment and Human Health

Case Studies

Module VIII: Field Work

Visit to a local area to document environmental assets-river / forest/ grassland/ hill/ mountain.

Visit to a local polluted site – Urban / Rural / Industrial / Agricultural

Study of common plants, insects, birds

Study of simple ecosystems-pond, river, hill slopes, etc (Field work equal to 5 lecture hours)

Examination Scheme:

Components	CT	HA	S/V/Q	A	EE
Weightage (%)	15	5	5	5	70

Text & References:

- Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
- Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380 013, India, Email:mapin@icenet.net (R)
- Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
- Clark R.S., Marine Pollution, Clarendon Press Oxford (TB)
- Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p
- De A.K., Environmental Chemistry, Wiley Eastern Ltd.
- Down to Earth, Centre for Science and Environment (R)
- Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p
- Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
- Heywood, V.H & Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.

- Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284 p.
 - Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.
 - Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB)
 - Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
 - Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p
 - Rao M N. & Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p.
 - Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut
 - Survey of the Environment, The Hindu (M)
 - Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science
 - Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)
 - Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB)
- Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499

Course Objective:

The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.

Course Contents:

Module I: Vocabulary

Use of Dictionary

Use of Words: Diminutives, Homonyms & Homophones

Module II: Essentials of Grammar - I

Articles

Parts of Speech

Tenses

Module III: Essentials of Grammar - II

Sentence Structure

Subject -Verb agreement

Punctuation

Module IV: Communication

The process and importance

Principles & benefits of Effective Communication

Module V: Spoken English Communication

Speech Drills

Pronunciation and accent

Stress and Intonation

Module VI: Communication Skills-I

Developing listening skills

Developing speaking skills

Module VII: Communication Skills-II

Developing Reading Skills

Developing writing Skills

Module VIII: Written English communication

Progression of Thought/ideas

Structure of Paragraph

Structure of Essays

Module IX: Short Stories

Of Studies, by Francis Bacon

Dream Children, by Charles Lamb

The Necklace, by Guy de Maupassant

A Shadow, by R.K.Narayan

Glory at Twilight, Bhabani Bhattacharya

Module X: Poems

All the Worlds a Stage

To Autumn

O! Captain, My Captain.

Where the Mind is Without Fear

Psalm of Life

Shakespeare

Keats

Walt Whitman

Rabindranath Tagore

H.W. Longfellow

Examination Scheme:

Components	A	CT	HA	EE
Weightage (%)	05	15	10	70

Text & References:

- Madhulika Jha, Echoes, Orient Long Man
- Ramon & Prakash, Business Communication, Oxford.
- Sydney Greenbaum Oxford English Grammar, Oxford.
- Successful Communications, Malra Treece (Allyn and Bacon)
- Effective Technical Communication, M. Ashraf Rizvi.

BEHAVIOURAL SCIENCE - II

(PROBLEM SOLVING AND CREATIVE THINKING)

Course Code: BSS 203

L-1/T-0/P-0

Credit Units: 01

Course Objective:

To enable the students:

Understand the process of problem solving and creative thinking.

Facilitation and enhancement of skills required for decision-making.

Course Contents:

Module I: Thinking as a tool for Problem Solving

What is thinking: The Mind/Brain/Behaviour

Thinking skills

Critical Thinking and Learning:

Making Predictions and Reasoning

Memory and Critical Thinking

Emotions and Critical Thinking

Module II: Hindrances to Problem Solving

Perception

Expression

Emotion

Intellect

Work environment

Module III: Problem Solving Process

Recognizing and Defining a problem

Analyzing the problem (potential causes)

Developing possible alternatives

Evaluating Solutions

Resolution of problem

Implementation

Module IV: Plan of Action

Construction of POA

Monitoring

Reviewing and analyzing the outcome

Module V: Creative Thinking

Definition and meaning of creativity

The nature of creative thinking

Convergent and Divergent thinking

Idea generation and evaluation (Brain Storming)

Image generation and evaluation

Debating

The six-phase model of Creative Thinking: ICEDIP model

Module VI: End-of-Semester Appraisal

Viva based on personal journal

Assessment of Behavioural change as a result of training

Exit Level Rating by Self and Observer

Text & References:

- Michael Steven: How to be a better problem solver, Kogan Page, New Delhi, 1999
- Geoff Petty: How to be better at creativity; Kogan Page, New Delhi, 1999
- Phil Lowe Koge Page: Creativity and Problem Solving, New Delhi, 1996
- Bensley, Alan D.: Critical Thinking in Psychology – A Unified Skills Approach, (1998), Brooks/Cole Publishing Company.

FRENCH - II

Course Code: FLN 201

L-2/T-0/P-0

Credit

Units: 02

Course Objective:

To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French.

To make them learn the basic rules of French Grammar.

Course Contents:

Module A: pp.38 – 47: Unité 3: Object if 3, 4, 5, 6

Module B: pp. 47 to 75 Unité 4, 5

Contenu lexical: Unité 3: Organiser son temps

1. donner/demander des informations sur un emploi du temps, un horaire SNCF – Imaginer un dialogue
2. rédiger un message/ une lettre pour ...
 - i) prendre un rendez-vous/ accepter et confirmer/ annuler
 - ii) inviter/accepter/refuser
3. Faire un programme d'activités
imaginer une conversation téléphonique/un dialogue
Propositions- interroger, répondre

Unité 4: Découvrir son environnement

1. situer un lieu
2. s'orienter, s'informer sur un itinéraire.
3. Chercher, décrire un logement
4. connaître les rythmes de la vie

Unité 5: s'informer

1. demander/donner des informations sur un emploi du temps passé.
2. donner une explication, exprimer le doute ou la certitude.
 3. découvrir les relations entre les mots
 4. savoir s'informer

Contenu grammatical:

1. Adjectifs démonstratifs
2. Adjectifs possessifs/exprimer la possession à l'aide de :
 - i. « de » ii. A+nom/pronom disjoint
3. Conjugaison pronominale – négative, interrogative - construction à l'infinitif
4. Impératif/exprimer l'obligation/l'interdiction à l'aide de « il faut... »/ «il ne faut pas... »
5. passé composé
6. Questions directes/indirectes

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- le livre à suivre : Campus: Tome 1

GERMAN – II

Course Code: FLG 201

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable the students to converse, read and write in the language with the help of the basic rules of grammar, which will later help them to strengthen their language.

To give the students an insight into the culture, geography, political situation and economic opportunities available in Germany

Introduction to Grammar to consolidate the language base learnt in Semester I

Course Contents:

Module I: Everything about Time and Time periods

Time and times of the day.

Weekdays, months, seasons.

Adverbs of time and time related prepositions

Module II: Irregular verbs

Introduction to irregular verbs like to be, and others, to learn the conjugations of the same, (fahren, essen, lessen, schlafen, sprechen und ähnliche).

Module III: Separable verbs

To comprehend the change in meaning that the verbs undergo when used as such

Treatment of such verbs with separable prefixes

Module IV: Reading and comprehension

Reading and deciphering railway schedules/school time table

Usage of separable verbs in the above context

Module V: Accusative case

Accusative case with the relevant articles

Introduction to 2 different kinds of sentences – Nominative and Accusative

Module VI: Accusative personal pronouns

Nominative and accusative in comparison

Emphasizing on the universal applicability of the pronouns to both persons and objects

Module VII: Accusative prepositions

Accusative prepositions with their use

Both theoretical and figurative use

Module VIII: Dialogues

Dialogue reading: 'In the market place'

'At the Hotel'

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Wolfgang Hieber, Lernziel Deutsch
- Hans-Heinrich Wangler, Sprachkurs Deutsch
- Schulz Griesbach, Deutsche Sprachlehre für Ausländer
- P.L Aneja, Deutsch Interessant- 1, 2 & 3
- Rosa-Maria Dallapiazza et al, Tangram Aktuell A1/1, 2
- Braun, Nieder, Schmöe, Deutsch als Fremdsprache 1A, Grundkurs

SPANISH – II

Course Code: FLS 201

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable students acquire more vocabulary, grammar, Verbal Phrases to understand simple texts and start describing any person or object in Simple Present Tense.

Course Contents:

Module I

Revision of earlier modules.

Module II

Some more AR/ER/IR verbs. Introduction to root changing and irregular AR/ER/IR ending verbs

Module III

More verbal phrases (eg, Dios Mio, Que lastima etc), adverbs (*bueno/malo, muy, mucho, bastante, poco*). Simple texts based on grammar and vocabulary done in earlier modules.

Module IV

Possessive pronouns

Module V

Writing/speaking essays like my friend, my house, my school/institution, myself...descriptions of people, objects etc, computer/internet related vocabulary

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Español, En Directo I A
- Español Sin Fronteras

CHINESE – II

Course Code: FLC 201

L-2/T-0/P-0

Credit Units: 02

Course Objective:

Chinese is a tonal language where each syllable in isolation has its definite tone (flat, falling, rising and rising/falling), and same syllables with different tones mean different things. When you say, “ma” with a third tone, it mean horse and “ma” with the first tone is Mother. The course aims at familiarizing the student with the basic aspects of speaking ability of Mandarin, the language of Mainland China. The course aims at training students in practical skills and nurturing them to interact with a Chinese person.

Course Contents:

Module I

Drills

Practice reading aloud

Observe Picture and answer the question.

Tone practice.

Practice using the language both by speaking and by taking notes.

Introduction of basic sentence patterns.

Measure words.

Glad to meet you.

Module II

Where do you live?

Learning different colors.

Tones of “bu”

Buying things and how muchit costs?

Dialogue on change of Money.

More sentence patterns on Days and Weekdays.

How to tell time. Saying the units of time in Chinese. Learning to say useful phrases like – 8:00, 11:25, 10:30 P.M. everyday, afternoon, evening, night, morning 3:58, one hour, to begin, to end etc.

Morning, Afternoon, Evening, Night.

Module III

Use of words of location like-li, wais hang, xia

Furniture – table, chair, bed, bookshelf,.. etc.

Description of room, house or hostel room.. eg what is placed where and how many things are there in it?

Review Lessons – Preview Lessons.

Expression ‘yao’, ‘xiang’ and ‘yaoshi’ (if).

Days of week, months in a year etc.

I am learning Chinese. Is Chinese difficult?

Module IV

Counting from 1-1000

Use of “chang-chang”.

Making an Inquiry – What time is it now? Where is the Post Office?

Days of the week. Months in a year.

Use of Preposition – “zai”, “gen”.

Use of interrogative pronoun – “duoshao” and “ji”.

“Whose”??? Sweater etc is it?

Different Games and going out for exercise in the morning.

Module V

The verb “qu”

- Going to the library issuing a book from the library
- Going to the cinema hall, buying tickets
- Going to the post office, buying stamps
- Going to the market to buy things.. etc
- Going to the buy clothes Etc.

Hobby. I also like swimming.

Comprehension and answer questions based on it.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

“Elementary Chinese Reader Part I” Lesson 11-20

III Semester Macro Economics-I

Course Code: BAE 301

L-3/T-0/P-0

Credit : 03

Course Objective:

This course aims to fundamentals of Macro economic theories policies and models in a historical perspective. It will enable the students o develop a critical insight on classical Keynesian macro economic models, to understand the relationship between inflation and employment by providing exposure to the constructions of Friedman, Phelps & Phillips.

Course Contents:

Module I:

components, methodology, nature and scope of macro economics; approaches to calculating GDP; Limitations of the GDP concept; Circular flow of National Income; National Income and Welfare; GDP and the black economy

Module II:

Say's law of Market; complete classical Macroeconomic Equilibrium; the labour market, the product market, the capital market; extending the full employment model; Keynes theory of Income and Employment

Module III:

consumption function and theories of consumption;

Module IV:

Theory of investment, Marginal Efficiency of capital; Saving and Investment Equality; Multiplier and Accelerator;

Module V:

Inflation, The causes and types of inflation, consequences and impact on the Indian economy, remedial measures; Measures of Inflation; Business Cycle

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Mc Connell.C.R & H.C. Gupta, "Introduction to Macro Economics", Tata McGraw Hill, Delhi
- Gardner Aceley, "Macro Economics".

References:

- J.E. Stiglitz, and C.E. Walsh (2002), *Principles of Economics*, 3rd Edition, W.W. Norton & Company, New York.
- R. Stone and G. Stone (1962), *National Income and Expenditure*, Bowes and Bowes London.
- Liesey & Chrystal- Principles of Economics
- K.K. Dewitt: Modern Economic Theory, New Delhi, Shyamlal Charitable Trust.

STATISTICAL METHODS IN ECONOMICS - II

Course Code: BAE 303

L-3/T-1/P-0

Credit Units: 04

Course Objective:

This subject will lead the students into the field of probability and hypothesis testing. Each one of them has a lot of application in the practical problems of economics.

Course Contents:

Module I: Probability Theory

Elements of Probability Theory :Sample space Events, meaning of probability, Classical definition of probability, The addition rule ,Multiplication Rule ,Theorems of total probability, conditional and statistical independence, limitation of classical definition, Bays formula, random variable, expectation and variance of random variable(for random sampling with or without replacement)

Module II: Univariate Probability Distributions

Binomial, Poisson, Normal distribution, The standard normal distribution—Mean, Variance, Skewness, Importance of Normal Distribution in Statistics.

Module III: Introduction to Estimation and Hypothesis Testing

Methods of sampling; sampling distribution of a statistic; distribution of the sample mean; sampling error and standard error of a statistic with special reference to the mean; Point and interval estimation of parameters; properties of an estimator; unbiasedness, relative efficiency and consistency.

Module IV: Hypothesis Testing

Testing of Hypothesis; type I and type II errors, power of a test; large sample tests, “t” test for the mean; one tail and two tail tests for difference of means; z-test, f-test, Chi-square test for (i) goodness of fit and (ii) independence of two attributes.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Allen Webster, *Applied Statistics for Business and Economics*, (3rd edition), McGraw Hill, International Edition 1998.

References:

- P.H. Karmel and M. Polasek, *Applied Statistics for Economists* (4th edition), Pitman, Australia. M.R. Spiegel (2nd edition), *Theory and Problems of Statistics*, Schaum Series.

OPERATIONS RESEARCH

Course Code: BAE 304

L-3/T-0/P-0 Credit Units: 03

Course Objective:

Operations Research provides managers with qualitative basis for decision making or enhances a managers' ability to make long range plans and to solve the everyday problems of running a concern. Linear programming is used to find a solution for optimizing a given objective, similarity Network analyses help the manager to plan schedule monitor & control large projects. Queuing theory deals with the situation in which queue is formed.

Course Contents:

Module I: Basics of Operations Research

Definition of Operations Research, Characteristics of operations research, necessity of operations research in industry, Scope of operations research, operations research & decision making

Module II: Linear Programming

Requirement for a Linear Programming Problem, Graphical solution of two variable, Linear Programming Problems some exceptional cases, Simplex Method, Duality, Dual Simplex, Limitations of Linear programming Problem.

Module III: Transportation Model

Definition of Transportation Model, Mathematical Formulation of the problem, Methods for Initial basic feasible solution, North-west Corner method, Matrix Minima, Vogel's Approximation (VAM), Optionality test.

Module IV: Assignment Models

Definitions, Formulation & Solution of Assignment Models

Module V: PERT & CPM

Introduction, Forward pass, backward pass computations, How CPM differs from PERT ?
Critical Path- determination

Module VI: Queuing Models

Introduction & application of Queuing Models, MM-I Models- Single- Channel Queuing theory

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Operations Research: Theory & Applications 3rd E, Sharma J K. ,Macmillan India Limited

References:

Methods of Operations Research, by Morse Philip Mccord, Dover Publication

ECONOMICS OF ENTREPRENEURSHIP

Course Code: BAE 305

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The twenty first century has dawned with entrepreneurship as a major force shaping the global economy. The future growth of this economy lies in the hands of men and women committed to achieving success through innovative customer focussed new products and services. Therefore it is high time that the students had a glimpse of a few aspects of entrepreneurship.

Course Contents:

Module I:

Entrepreneurs - Concepts and qualities - Barriers - Structures - Definitions - Entrepreneur - Traits and types - Functions - Motivation - Project identification - Theories of entrepreneurship.

Module II:

Steps for starting a small scale industry - selection of types of organisation - Small Scale Industry - Problems and sickness of small scale industry - Government Policy

Module III

Women Entrepreneur - Concept of women entrepreneur - Growth and Development of entrepreneurs - Functions - Rural women entrepreneurs - Problems of Women Entrepreneur - Role of Women's Association

Module IV

Financial Analysis - Social Cost and Benefit Analysis - Sources of Project Finance - Institutions helping entrepreneurs - Role of Commercial Banks - New Entrepreneurial Development Agencies

Module V

Entrepreneurial Development Programme (EDP) - Indian EDP - Risk - Development Strategy - Backward Area Development - International Business - Small Companies —going global

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Bhaltha Charjee; Entrepreneurial Development, Himalaya Publications
- Gupta & Srinivasan, N.P.; Entrepreneurial Development, S.Chand & Co
- Nandan; Fundamentals of Entrepreneurship, Prentice Hall

References:

- Coulter; Entrepreneurship in action, Prentice Hall of India
- Edward F Marvicka, Jr; The Rational Investor, S.Chand & Co.
- Jayashree Suresh; Entrepreneurial Development, Margham Publications
- Khanka; Entrepreneurial Development, S.Chand & Co.
- Lankan Pal; Entrepreneurial Development
- Manimala; Entrepreneurship Theory at Cross Roads, S.Chand & Co
- Rastogi; Reengineering and Re-inventing the enterprise, S.Chand & Co.
- Robert D.Hisrich & Michael P.Peters; Entrepreneurship, Tata McGraw Hill

Environmental Economics

Course Code: BAE 306

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The course will provide an insight into basics of environmental problems environmental management and interrelationship between environment and economic development.

Course Contents:

Module I: Introduction

Environmental Economics - Meaning, nature and Historical development of environmental economics. Structure of environment, Characteristics of Environment, Sustainable development: concept, indicator and measurement.

Module II: Waste Management

Pollution prevention, physical operations of waste treatment, Water pollution, Air pollution and control, Global Environmental Issues

Module III: Environmental Management

Environmental Legislations in India, Environment Quality Objectives and standards, Institutional Environmental agreements; Tools for environmental management; Environmental economics

Module IV: Environmental and Economic Development

Interrelationship between environment and economic development; Environmental pollution in global perspective; Case studies on environmental management – Textile Industries and Tanneries

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Joseph, K. and R. Nagendran; Essentials of Environmental Studies, Pearson Education.
- Desh Bandhu, H Singh and A.K. Mitra (1990). Environmental Education and Sustainable Development. New Delhi, Indian Environmental Society

References:

- Dhaliwal, G.S., G.S Sangha and P.K. Ralhan (1998); Fundamentals of Environmental Science; New Delhi; Kalyani Publishers
- Dixon, John A., Louise F. Scura, Richard A. Carpenter and Paul B. Sherman (1994); Economic Analysis of Environmental Impacts. London: Earthscan Publications.
- Elkins, Paul (2001); Economic Growth, Human welfare and Environmental Sustainability; New York; Routledge.

E – COMMERCE

Course Code: BAE 307

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The subject will provide students with the knowledge to cover wide-ranging aspects of conducting business on the Internet.

Course Contents:

Module I: E-Commerce Concept

Meaning, definition, concept, features, function of E-Commerce, E-Commerce practices v/s traditional practices, scope and basic models of E-Commerce, limitations of E-Commerce, precaution for secure E-Commerce, proxy services. Concept of EDI, difference between paper based Business and EDI Based business, Advantages of EDI, Application areas for EDI, Software Concept of Electronic Signature.

Module II: Types of E-Commerce

Meaning of B2C, B2B, C2C, P2P. Applications in B2C- E-Banking, E-Trading. E-Auction - Introduction and overview of these concepts. Application of B2B- E-distributor, B2B service provider, benefits of B2B on Procurement, Just in time delivery. Consumer to consumer and peer to peer business model Introduction and basic concepts.

Module III: E-Marketing and E-Finance

Traditional Marketing V/S E-Marketing, Impact of Ecommerce on markets, Marketing issue in E-Marketing, E-Banking, traditional v/s E-Banking, operations in E-Banking. E-Trading v/s E-Trading, Importance of E-Trading, Advantages of E-trading.

Module IV: E-Payment

Transactions through Internet, Requirements of E-Payment system, Post paid payment system- Credit card solutions, cyber cash Internet cheques. Instant Paid payment system- Debit card, direct debit. Prepaid payment system- Electronic cash, digicash, Netcash, cybercash, smart cards.

Examination Scheme:

Components	A	CT	C	H	EE
Weightage (%)	5	15	5	5	70

Text & References:

- Bajaj. (2000). *E-Commerce: The Cutting Edge of Business* (1 ed.). McGraw Hill.
- Joseph, P. (2008). *E-Commerce: An Indian Perspective* (3 ed.). PHI

COMMUNICATION SKILLS – I

Course Code: BCS 301

L-1/T-0/P-0

Credit Units: 01

Course Objective:

To form written communication strategies necessary in the workplace

Course Contents:

Module I: Introduction to Writing Skills

Effective Writing Skills

Avoiding Common Errors

Paragraph Writing

Note Taking

Writing Assignments

Module II: Letter Writing

Types

Formats

Module III

Memo

Agenda and Minutes

Notice and Circulars

Module IV: Report Writing

Purpose and Scope of a Report

Fundamental Principles of Report Writing

Project Report Writing

Summer Internship Reports

Examination Scheme:

Components	CT1	CT2	CAF	V	GD	GP	A
Weightage (%)	20	20	25	10	10	10	5

CAF – Communication Assessment File

GD – Group Discussion

GP – Group Presentation

Text & References:

- Business Communication, Raman – Prakash, Oxford
- Creative English for Communication, Krishnaswamy N, Macmillan
- Textbook of Business Communication, Ramaswami S, Macmillan
- Working in English, Jones, Cambridge
- A Writer's Workbook Fourth edition, Smoke, Cambridge
- Effective Writing, Withrow, Cambridge
- Writing Skills, Coe/Rycroft/Ernest, Cambridge
- Welcome!, Jones, Cambridge

BEHAVIOURAL SCIENCE – III

(Interpersonal Communication and Relationship Management)

Course Code: BSS 303

L-1/T-0/P-0

Credit Units: 01

Course Objective:

This course aims at imparting an understanding of:

- Interpersonal communication and relationship.
- Strategies for healthy interpersonal relationship
- Effective management of emotions.
- Building interpersonal competence.

Course Contents:

Module I: Interpersonal Communication

Importance of Behavioural/ Interpersonal Communication
Types – Self and Other Oriented
Rapport Building – NLP, Communication Mode
Steps to improve Interpersonal Communication

Module II: Interpersonal Styles

Transactional Analysis
Life Position/Script Analysis
Games Analysis
Interact ional and Transactional Styles
Bridging differences in Interpersonal Relationship through TA
Communication Styles

Module III: Conflict Management and Negotiation

Meaning and Nature of conflicts
Styles and techniques of conflict management
Meaning of Negotiation
Process and Strategies of Negotiation
Interpersonal Communication: Conflict Management and Negotiation

Module IV: Interp ersonal Relationship Development

Importance of Interpersonal Relationships
Interpersonal Relationship Skills
Types of Interpersonal Relationships
Relevance of Interpersonal Communication in Relationship Development

Module V: Impression Management

Meaning & Components of Impression Management
Impression Management Techniques
Impression Management Training-Self help and Formal approaches

Module VI: End-of-Semester Appraisal

Viva based on personal journal
Assessment of Behavioural change as a result of training
Exit Level Rating by Self and Observer

Text & References:

- Vangelist L. Anita, Mark N. Knapp, Inter Personal Communication and Human Relationships: Third Edition, Allyn and Bacon
- Julia T. Wood. Interpersonal Communication everyday encounter
- Beebe, Beebe and Redmond; Interpersonal Communication, 1996; Allyn and Bacon Publishers.
- Rosenfeld, P., Giacalone, R.A. and Catherine, A.R. (2003). Impression Management: Building and Enhancing Reputations at Work. Thomson Learning, Singapore.

FRENCH - III

Course Code: FLN 301
Units: 02

L-2/T-0/P-0

Credit

Course Objective:

To provide the students with the know-how

- To master the current social communication skills in oral and in written.
- To enrich the formulations, the linguistic tools and vary the sentence construction without repetition.

Course Contents:

Module B: pp. 76 – 88 Unité 6

Module C: pp. 89 to 103 Unité 7

Contenu lexical:

Unité 6: se faire plaisir

1. acheter : exprimer ses choix, décrire un objet (forme, dimension, poids et matières) payer
2. parler de la nourriture, deux façons d'exprimer la quantité, commander un repas au restaurant
3. parler des différentes occasions de faire la fête

Unité 7: Cultiver ses relations

1. maîtriser les actes de la communication sociale courante
(Salutations, présentations, invitations, remerciements)
2. annoncer un événement, exprimer un souhait, remercier, s'excuser par écrit.
3. caractériser une personne (aspect physique et caractère)

Contenu grammatical:

1. accord des adjectifs qualificatifs
2. articles partitifs
3. Négations avec de, ne...rien/personne/plus
4. Questions avec combien, quel...
5. expressions de la quantité
6. ne...plus/toujours - encore
7. pronoms compléments directs et indirects
8. accord du participe passé (auxiliaire « avoir ») avec l'objet direct
9. Impératif avec un pronom complément direct ou indirect
10. construction avec « que » - Je crois que/ Je pense que/ Je sais que

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- le livre à suivre : Campus: Tome 1

GERMAN – III

Course Code: FLG 301

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable the students to converse, read and write in the language with the help of the basic rules of grammar, which will later help them to strengthen their language.

To give the students an insight into the culture, geography, political situation and economic opportunities available in Germany

Course Contents:

Module I: Modal verbs

Modal verbs with conjugations and usage

Imparting the finer nuances of the language

Module II: Information about Germany (ongoing)

Information about Germany in the form of presentations or “Referat”– neighbors, states and capitals, important cities and towns and characteristic features of the same, and also a few other topics related to Germany.

Module III: Dative case

Dative case, comparison with accusative case

Dative case with the relevant articles

Introduction to 3 different kinds of sentences – nominative, accusative and dative

Module IV: Dative personal pronouns

Nominative, accusative and dative pronouns in comparison

Module V: Dative prepositions

Dative preposition with their usage both theoretical and figurative use

Module VI: Dialogues

In the Restaurant,

At the Tourist Information Office,

A telephone conversation

Module VII: Directions

Names of the directions

Asking and telling the directions with the help of a roadmap

Module VIII: Conjunctions

To assimilate the knowledge of the conjunctions learnt indirectly so far

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Wolfgang Hieber, Lernziel Deutsch
- Hans-Heinrich Wangler, Sprachkurs Deutsch
- Schulz Griesbach, Deutsche Sprachlehre für Ausländer
- P.L Aneja, Deutsch Interessant- 1, 2 & 3
- Rosa-Maria Dallapiazza et al, Tangram Aktuell A1/1,2
- Braun, Nieder, Schmöe, Deutsch als Fremdsprache 1A, Grundkurs

SPANISH – III

Course Code: FLS 301

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable students acquire knowledge of the Set/definite expressions (idiomatic expressions) in Spanish language and to handle some Spanish situations with ease.

Course Contents:

Module I

Revision of earlier semester modules

Set expressions (idiomatic expressions) with the verb *Tener, Poner, Ir....*

Weather

Module II

Introduction to *Gustar...* and all its forms. Revision of *Gustar* and usage of it

Module III

Translation of Spanish-English; English-Spanish. Practice sentences.

How to ask for directions (using *estar*)

Introduction to IR + A + INFINITIVE FORM OF A VERB

Module IV

Simple conversation with help of texts and vocabulary

En el restaurante

En el instituto

En el aeropuerto

Module V

Reflexives

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Español, En Directo I A
- Español Sin Fronteras -Nivel Elemental

CHINESE – III

Course Code: FLC 301

L-2/T-0/P-0

Credit Units: 02

Course Objective:

Foreign words are usually imported by translating the concept into Chinese, the emphasis is on the meaning rather than the sound. But the system runs into a problem because the underlying name of personal name is often obscure so they are almost always transcribed according to their pronunciation alone. The course aims at familiarizing the student with the basic aspects of speaking ability of Mandarin, the language of Mainland China. The course aims at training students in practical skills and nurturing them to interact with a Chinese person.

Course Contents:

Module I

Drills

Dialogue practice

Observe picture and answer the question.

Introduction of written characters.

Practice reading aloud

Practice using the language both by speaking and by taking notes.

Character writing and stroke order

Module II

Measure words

Position words e.g. inside, outside, middle, in front, behind, top, bottom, side, left, right, straight.

Directional words – beibian, xibian, nanbian, dongbian, zhongjian.

Our school and its different building locations.

What game do you like?

Difference between “hii” and “neng”, “keyi”.

Module III

Changing affirmative sentences to negative ones and vice versa

Human body parts.

Not feeling well words e.g. ; fever, cold, stomach ache, head ache.

Use of the modal particle “le”

Making a telephone call

Use of “jiu” and “cai” (Grammar portion)

Automobiles e.g. Bus, train, boat, car, bike etc.

Traveling, by train, by airplane, by bus, on the bike, by boat.. etc.

Module IV

The ordinal number “di”

“Mei” the demonstrative pronoun e.g. mei tian, mei nian etc.

use of to enter to exit

Structural particle “de” (Compliment of degree).

Going to the Park.

Description about class schedule during a week in school.

Grammar use of “li” and “cong”.

Comprehension reading followed by questions.

Module V

Persuasion-Please don't smoke.

Please speak slowly

Praise – This pictorial is very beautiful

Opposites e.g. Clean-Dirty, Little-More, Old-New, Young-Old, Easy-Difficult, Boy-Girl, Black-White, Big-Small, Slow-Fast ... etc.

Talking about studies and classmates

Use of “it doesn't matter”

Enquiring about a student, description about study method.

Grammar: Negation of a sentence with a verbal predicate.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

“Elementary Chinese Reader Part I, Part-2” Lesson 21-3

IV Semester Macro Economics-II

Course Code: BAE 401

L-3/T-1/P-0

Credit Units: 04

Course Objective:

The course mainly aims to lead the students to a higher level of macro economics. It will deal with, New Keynesian models:- Keynesian & classical unemployment & structuralist macroeconomics.

Course Contents:

Module I: The Economy in the Long Run

The classical analysis of the real sector, determination of employment, income and interest rate

Module II: Recent developments in macroeconomics

Rational Expectations, real business cycle

Lucas critique; policy ineffectiveness; time inconsistency; Dornbusch's overshooting model

Module III: New Keynesian Models

(a) Real and nominal price rigidity: menu costs; co-ordination failures; imperfect competition

(b) Real and nominal wage rigidity: insider-outsider models; efficiency wages; implicit contracts.

Module IV: Non Walrasian Economics

Dual decision hypothesis; Keynesian and Classical unemployment

Module V: Structuralist Macroeconomics

Closed and open economy structuralist models.

Module VI: Exploring the Macroeconomics of an Open Economy

Balance of Payments--The current and capital account; Determining equilibrium output in an open economy; Open economy with flexible exchange rates--Markets for foreign exchange, Factors affecting exchange rates, effects of exchange rates on the economy.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010 Ahuja H.(2010) Macroeconomics: Theory and Policy, S.Chand.
- Olivier Blanchard, Macroeconomics, Pearson Education Inc., 5th edition, 2009
- A.C. Chiang (1992), Elements of Dynamic Optimization, McGraw Hill.

References:

- Blanchard and S. Fischer (1989), Lectures on Macroeconomics, MIT
- W. Scarth (1996), Macroeconomics, Dryden.
- S. Sheffrin (1996), Rational Expectations, Cambridge University Press.
- R. Dornbusch (1980), Open Economy Macroeconomics, Basic Books.

Public Finance

Course Code: BAE 402

L-3/T-0/P-0

Credit Units: 03

Course Objective:

This subject is primarily aimed at introducing principles of public finance, role of different governments, public expenditure, taxation, budget and fiscal policy in India. The government plays different roles and performs varied functions which are different from earlier societies. In this context the public financial functions of the government need to be understood by a student, by studying the relevant theory and empirical analysis.

Course Contents:

Module I: Introduction

Nature, Scope and Importance, Theory of Maximum Social Advantage, Private goods, Public goods and Merit goods; Role of government in managing the economy under different economic systems – Social Welfare Function; Theory of Public goods - Market failure - Externalities - problems in allocation of resources - theoretical developments in Demand revelation for social goods -Public choice.

Module II: Public Expenditure

Theories of Public Expenditure -Structure and growth of public expenditure - Criteria for public investment - Income Redistribution – Expenditure Programmes for the poor - Social Insurance: Unemployment Insurance, Health Care, and Education - Social cost-benefit analysis - benefit estimation and evaluation.

Module III: Taxation

Theory of Taxation - Benefit and ability-to-pay approaches - Indian Direct and Indirect Taxes - Effects of taxation - Requirements of a sound tax system - Canons of taxation - Tax reforms - Evaluation of Tax Reforms -Taxation Incidence and alternative concepts of Incidence.

Module IV Budgeting and Debt

Budget - Concept of PPB - Zero-based Budgeting - Cash budgeting : Cash management and Treasury functions in Government - Deficit Budgeting - Types of Deficits - Public Debt: Trends and composition of Indian Public Debt: Instruments - Treasury bills, bonds and other securities, Debt management - Methods of debt redemption.

Module V: Fiscal Policy

Role of Fiscal Policy in India - Principles of Fiscal federalism in India; Finance Commissions and Planning Commission

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, 3rd edition, McGraw-Hill Kogakusha, Tokyo.
- Raghendra Jha : (1998), Modern Public Economics
- Rosen, Harway, S. - Public Finance, IVth Edn. Irwin.

References:

- Mueller, D.C. (1979), Public Choice, Cambridge University Press, Cambridge
- Brown, C.V. and Jackson - Public Sector Economics
- Raja J. Chellia et al. - Trends in Federal Finance
- D.N. Dwivedi, Readings in India Public finance
- Government of India, Report of the 13th Finance Commission
- Economic Survey, Government of India (latest).
- State Finances: A Study of Budgets, Reserve Bank of India (latest).

Course Objective:

To provide a basis of understanding to the students with reference to working of business organization through the process of management. On completion of the syllabi the student will understand the basic principles of management - will acquaint himself with management process, functions and principles.

Course Contents:**Module I: Nature of Management**

Meaning, Definition, it's nature purpose, importance & Functions, Management as Art, Science & Profession- Management as social System Concepts of management-Administration-Organization

Module II: Evolution of Management Thought

Contribution of F.W. Taylor, Henri Fayol, Lton Mayo, Chester Barhard & Peter Drucker to the management thought. Various approaches to management (i.e. Schools of management thought) Indian Management Thought

Module III: Functions of Management

Planning - Meaning - Need & Importance, types levels – advantages & limitations. Forecasting - Need & Techniques Decision making - Types - Process of rational decision making & techniques of decision making, Organizing - Elements of organizing & processes: Types of organizations, Delegation of authority - Need, difficulties in delegation – Decentralization, Staffing - Meaning & Importance, Direction - Nature – Principles Communication - Types & Importance, Motivation - Importance – theories, Leadership - Meaning - styles, qualities & functions of leaders, Controlling - Need, Nature, importance, Process & Techniques, Coordination - Need – Importance

Module IV: Recent Trends in Management

Social Responsibility of Management – environment friendly management, Management of Change, Management of Crisis, Total Quality Management, Stress Management, International Management

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:**Text:**

- Principles of Management, by Tripathi, Reddy Tata McGraw Hill
- Principles & practice of management - Dr. L.M. Parasad, Sultan Chand & Sons - New Delhi

References:

- Business Organization & Management - Dr. Y.K. Bhushan
Management: Concept and Strategies by J. S. Chandan, Vikas Publishing

Course Objective:

The need of this subject is for those concerned with research to pay due attention to the designing and adhering to the appropriate methodology for improving the quality of research.

Course Contents:**Module I**

Research methods versus methodology;
Criteria for good research: problem encountered by researchers in India

Module II

Planning a research prospect, problem identification & formulation, Research Design: Exploratory, Descriptive & Experimental Research.

Module III

Data Collection Methods, Primary & Secondary data, Observation method, Interview method, Questionnaire method, Steps in constructing a Questionnaire, types of questions, Altitude measurement & scaling techniques, Ordinal, nominal, ratio, interval, scales: Likert Scale, Sampling decisions; sample selection methods- probability & non-probability sample size

Module IV

Data Collection & field force, Field work procedure, common sources of error in the field work, tabulation of collected data

Module V

Test of significance & report writing
z, t, f, x², correlation & regression techniques, Pre-writing considerations & presentation of research report

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:**Text:**

- Marketing Research- An applied orientation-By Naresh K. Malhotra
- Kothari, C.R., Research Methodology, Wiley Eastern Ltd, New Delhi

References:

- Amarchand, D. Research Methods in Commerce, Emerald Publishers, Chennai.
Marketing Research (Text & Cases) nu Rajendra Nargundkar, Tata McGrwa Hill

Objectives:

The objective of this course is to judge the understanding as well as application of the knowledge gained by the students. The aim of the term paper is to provide the students with an opportunity to further enhance their knowledge in a sector of their choice by undertaking a significant practical unit of examining and analyzing various aspects of business management at a level commensurate with the learning outcomes of the various courses taken up them in the ongoing semester. A term paper is primarily a record of intelligent reading in several sources on a particular subject. The students will choose the topic at the beginning of the session in consultation with the faculty assigned. At least one middle level or senior level person of a company from the chosen sector may be interviewed face to face.

Guidelines:

1. The term paper will be related to the contemporary business issue and the topic will be given by the department.
2. The presentation of the term paper is scheduled to be held before the commencement of Semester examinations.
3. The paper will carry 100 marks that will be marked on the basis of understanding and organization of content based on the literature review. The Bibliography shall form an important part of the paper.
4. Examples of a few broad areas for Term Paper (List is indicative, not exhaustive)

Inflation

Unemployment

Fiscal Deficit

Poverty

Education

Malnutrition

Rural Development

Regional Imbalance

Globalization

Foreign Direct Investment

Organisation and relevance of content	Literature Review	Bibliography	Presentation	Total
30	30	20	20	100

Evaluation Scheme:**MONEY AND BANKING**

Course Objectives: This course exposes students to the importance of financial intermediation in the economy. The students will be explained the nature, importance and functioning of commercial banks. After acquiring necessary knowledge about commercial banks, they will be explained the structure and progress of banking in India. They will also learn the role and functions of central bank. The structure and functioning of Indian money market will also be explained to enable the students to understand the role and working of RBI.

Course Contents:

Module I: Money and its theories

Money and its functions; Money and Capital market; Theories of demand for money; quantity theory and Keynes approach; Characteristics of a monetary economy; The supply of money and overall liquidity position; credit creation.

Module II: Commercial Banking

Meaning and functions of commercial banks; Balance sheet; Process of credit creation– purpose and limitations, liabilities and assets of banks; Investment policy of commercial banks; Core banking; Commercial bank and economic development; Commercial Banking in India: structure, nationalization and reforms, Jan Dhan yojana; Cooperative banks, Microfinance

Module III: Central Banking

Meaning and functions of Central bank; Objectives and methods of credit control-quantitative and qualitative methods; Role and functions of Reserve Bank of India; Monetary Policy: Objectives, Targets and indicators, Monetary policy of RBI: An overview; Indian money market: components and limitations; Non Banking Financial Intermediaries: meaning and role in economic development.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

1. Luckett, D.G.: Money and Banking, McGraw-Hill Kogakusha, Ltd.
2. L.V. Chandler : An Introduction to Monetary Economics, Manchester University Press
3. L.V. Chandler, and S.M. Goldfield : The Economics of Money and Banking, Harper and Row, New York

References

1. McCallum, B.T., : Monetary Economics: Theory and Policy, New York Macmillan Publishing Company
2. M.H. De Kock : Central Banking, Staples Press

Gender Economics

Course Code: BAE 407

L-3/T-0/P-0

Credit Units: 03

Course Objective:

Module I – Introduction

Definition of Gender- Gender and sex - Gender Equity and Gender Equality-Gender Development- Human Development Index and Gender Development index-Gender Disparity Index-Gender Empowerment Measure-Gender Status in India -Sex Ratio-Concept of Missing Women.

Module II - Gender Discrimination in India

Gender Discrimination in Labour Force Participation- Occupational Segregation and Wage Differences- Gender Discrimination in Education, Health, Employment, Political Participation and Decision Making

Module III - Gender Budgeting

Gender awareness in planning- Invisibility of Women's Work in Budgeting- How to Adjust our Budgeting Policies to Reduce Gender Disparities

Module IV - Gender Issues in Contemporary World

Women and Globalisation- Social and Economic Empowerment of Women- Technology and Gender, for example Internet and Blogs.

References:

- Gita Sen and Canen Crown; Gender and Class in Development Experience
- Leela Gulati and Ramalingam; Kerala Women: A profile
- Neera Desai and Maithreyi Krishnaraj; Health-A Gender Issue in India
- Lourdes Beneria and Savithri Biswanath; Gender and Development: Theoretical, Empirical and Practical Approaches.
- Lekha Chakraborti; Invisibility of Women's Work in Budgeting.
- National Institute of public Finance and policy (NIPFP); Gender Budgeting in India, www.nipfp.org.in.
- 7. UNDP - Human Development Reports

Demography

Course Code: BAE 408

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The modules incorporated in this paper educate the students about the inter-relationship between economic development and population, along with an exposition of the established theories of population. Issues relating to demographic techniques and basic sources of demographic data in the Indian economy have also been included. Aspects of population policy and study of its social characteristics are other important components of the modules of this paper.

Course Contents:

Module 1: Introduction

Population study and demography: its relation with other disciplines; Theories of Population: Malthus, Optimum theory of population, and theory of demographic transition; Historical evidence of population growth in developed and developing countries.

Module 2: Sources of Demographic Data in India

Sources of Demographic data in India: Census — civil registration system and demographic surveys; National Family Health Survey: their relative merits and demerits.

Module 3: Techniques of Analysis

Crude birth and death rates, age specific birth and death rates; Study of Fertility: Total fertility rate, gross reproduction rate, and net reproduction rate— Life table: meaning of its columns and its uses — Reproductive and child health in India — Temporal and spatial variation in sex ratios.

Module 4: Population Projection

Techniques of population projection — Concept of stationary, stable and quasi-stationary population; Changes in family structure and old age security

Module 5: Population Policy

Evolution of population policy in India, Shift in policy focus from fertility population control to family welfare and to women empowerment; Education, Women's autonomy; The New Population Policy.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text

Bogue, D.J. (1971), Principles of Demography, John Wiley, New York

References:

- Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay.
- Agarwal U.D. (1999), Population Projections and Their Accuracy, B.R. Publishing Corporation, New Delhi.
- Bhende, A.A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.
- Bose A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
- Census of India, Government of India, Various Reports, New Delhi.
- Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi

Urban Economics

Course Code: BAE 409

L-3/T-0/P-0

Credit Units: 03

Course Objective:

To understand the causes and consequences of urban growth and economic issues in the provision of urban amenities.

Course Contents:

Module I: Urban Systems

Structure of Human settlement - Spatial economic organization - Urban system - Functional dependencies between human settlements of different sizes

Module II: Economics of Location

Economics of city size - Agglomeration economics - Economics of location - City size distribution – Satellite Town

Module III: Urban Infrastructure

Urban infrastructure - Land use pattern – Land Market – Urban housing - Slum renewal and up-gradation - Urban crimes

Module IV: Urban Planning

Urban environmental planning – Transport - MRTS - Metro Industrial Complex - Energy use – Urban water supply

Module V: Urban Finance

Financing Urban Infrastructure - Different Methods - Federal Finance -Local Public Finance - Municipal Administration - Urban Planning and Policy - Private Sector Participation

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- Arthur.O'Sullivan, Urban Economics, McGrawHill Education group, UK, 7th edition, 2008

References:

- Diamon, Tolley, The Economics of Urban Amenities, Academic Press, New York, 1982.
- Richardson, Urban Economics, Penguin, Harmondsworth, 1971.
- Sivarmakrishnan, The Economic Development & Green Metropolitan Management, Institute of the World Bank, OUP, 1986

COMMUNICATION SKILLS – II

Course Code: BCS 401

L-1/T-0/P-0

Credit Units: 01**Course Objective:**

To teach the participants strategies for improving academic reading and writing.

Emphasis is placed on increasing fluency, deepening vocabulary, and refining academic language proficiency.

Course Contents:**Module I: Social Communication Skills**

Small Talk
 Conversational English
 Appropriateness
 Building rapport

Module II: Context Based Speaking

In general situations
 In specific professional situations
 Discussion and associated vocabulary
 Simulations/Role Play

Module III: Professional Skills

Presentations
 Negotiations
 Meetings
 Telephony Skills

Examination Scheme:

Components	CT1	CT2	CAF	V	GD	GP	A
Weightage (%)	20	20	25	10	10	10	5

CAF – Communication Assessment File

GD – Group Discussion

GP – Group Presentation

Text & References:

- Essential Telephoning in English, Garside/Garside, Cambridge
- Working in English, Jones, Cambridge
- Business Communication, Raman – Prakash, Oxford
- Speaking Personally, Porter-Ladousse, Cambridge
- Speaking Effectively, Jermy Comfort, et.al, Cambridge
- Business Communication, Raman –Prakash, Oxford

BEHAVIOURAL SCIENCE - IV

(GROUP DYNAMICS AND TEAM BUILDING)

Course Code: BSS 403

L-1/T-0/P-0

Credit Units: 01

Course Objective:

To inculcate an elementary level of understanding of group/team functions
To develop team-spirit and to know the importance of working in teams

Course Contents:

Module I: Group formation

Definition and Characteristics
Importance of groups
Classification of groups
Stages of group formation
Benefits of group formation

Module II: Group Functions

External Conditions affecting group functioning: Authority, Structure, Org. Resources, Organizational policies etc.
Internal conditions affecting group functioning: Roles, Norms, Conformity, Status, Cohesiveness, Size, Inter group conflict.
Group Cohesiveness and Group Conflict
Adjustment in Groups

Module III: Teams

Meaning and nature of teams
External and Internal factors effecting team
Building Effective Teams
Consensus Building
Collaboration

Module IV: Leadership

Meaning, Nature and Functions
Self leadership
Leadership styles in organization
Leadership in Teams

Module V: Power to empower: Individual and Teams

Meaning and Nature
Types of power
Relevance in organization and Society

Module VI: End-of-Semester Appraisal

Viva based on personal journal
Assessment of Behavioural change as a result of training
Exit Level Rating by Self and Observer

Text & References:

- Organizational Behaviour, Davis, K.
- Hoover, Judith D. Effective Small Group and Team Communication, 2002, Harcourt College Publishers
- Dick, Mc Cann & Margerison, Charles: Team Management, 1992 Edition, viva books
- LaFasto and Larson: When Teams Work Best, 2001, Response Books (Sage), New Delhi
- Smither Robert D.; The Psychology of Work and Human Performance, 1994, Harper Collins College Publishers

FRENCH – IV

Course Code: FLN 401

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable students:

- To develop strategies of comprehension of texts of different origin
- To present facts, projects, plans with precision

Course Contents:

Module C: pp. 104 – 139: Unités 8, 9

Contenu lexical: Unité 8: Découvrir le passé

1. parler du passé, des habitudes et des changements.
2. parler de la famille, raconter une suite
d'événements/préciser leur date et leur durée.
3. connaître quelques moments de l'histoire

Unité 9: Entreprendre

1. faire un projet de la réalisation: (exprimer un besoin,
préciser les étapes d'une réalisation)
2. parler d'une entreprise
3. parler du futur

Contenu grammatical:

1. Imparfait
2. Pronom « en »
3. Futur
4. Discours rapporté au présent
5. Passé récent
6. Présent progressif

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- le livre à suivre : Campus: Tome 1

GERMAN - IV

Course Code: FLG 401

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable the students to converse, read and write in the language with the help of the basic rules of grammar, which will later help them to strengthen their language.

To give the students an insight into the culture, geography, political situation and economic opportunities available in Germany.

Introduction to Advanced Grammar Language and Professional Jargon

Course Contents:

Module I: Present perfect tense

Present perfect tense, usage and applicability

Usage of this tense to indicate near past

Universal applicability of this tense in German

Module II: Letter writing

To acquaint the students with the form of writing informal letters.

Module III: Interchanging prepositions

Usage of prepositions with both accusative and dative cases

Usage of verbs fixed with prepositions

Emphasizing on the action and position factor

Module IV: Past tense

Introduction to simple past tense

Learning the verb forms in past tense

Making a list of all verbs in the past tense and the participle forms

Module V: Reading a Fairy Tale

Comprehension and narration

- Rotkäppchen
- Froschprinzessin
- Die Fremdsprache

Module VI: Genitive case

Genitive case – Explain the concept of possession in genitive

Mentioning the structure of weak nouns

Module VII: Genitive prepositions

Discuss the genitive prepositions and their usage: (während, wegen, statt, trotz)

Module VIII: Picture Description

Firstly recognize the persons or things in the picture and identify the situation depicted in the picture;

Secondly answer questions of general meaning in context to the picture and also talk about the personal experiences which come to your mind upon seeing the picture.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Wolfgang Hieber, Lernziel Deutsch
- Hans-Heinrich Wangler, Sprachkurs Deutsch
- Schulz Griesbach, Deutsche Sprachlehre für Ausländer
- P.L Aneja, Deutsch Interessant - 1, 2 & 3
- Rosa-Maria Dallapiazza et al, Tangram Aktuell A1/1,2
- Braun, Nieder, Schmöe, Deutsch als Fremdsprache 1A, Grundkurs

SPANISH – IV

Course Code: FLS 401

L-2/T-0/P-0 Credit Units: 02

Course Objective:

To enable students acquire working knowledge of the language; to give them vocabulary, grammar, voice modulations/intonations to handle everyday Spanish situations with ease.

Course Contents:

Module I

Revision of earlier semester modules
Introduction to Present Continuous Tense (Gerunds)

Module II

Translation with Present Continuous Tense
Introduction to Gustar, Parecer, Apetecer, doler

Module III

Imperatives (positive and negative commands of regular verbs)

Module IV

Commercial/ business vocabulary

Module V

Simple conversation with help of texts and vocabulary
En la recepcion del hotel
En el restaurante
En la agencia de viajes
En la tienda/supermercado

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Español Sin Fronteras (Nivel – Elemental)

CHINESE – IV

Course Code: FLC 401

L-2/T-0/P-0

Credits : 02

Course Objective:

How many characters are there? The early Qing dynasty dictionary included nearly 50,000 characters the vast majority of which were rare accumulated characters over the centuries. An educate person in China can probably recognize around 6000 characters. The course aims at familiarizing the student with the basic aspects of speaking ability of Mandarin, the language of Mainland China. The course aims at training students in practical skills and nurturing them to interact with a Chinese person.

Course Contents:

Module I

Dialogue Practice
Observe picture and answer the question
Pronunciation and intonation
Character writing and stroke order.
Electronic items

Module II

Traveling – The Scenery is very beautiful
Weather and climate
Grammar question with – “bu shi Ma?”
The construction “yao ... le” (Used to indicate that an action is going to take place)
Time words “yiqian”, “yiwai” (Before and after).
The adverb “geng”.

Module III

Going to a friend house for a visit meeting his family and talking about their customs.
Fallen sick and going to the Doctor, the doctor examines, takes temperature and writes prescription.
Aspect particle “guo” shows that an action has happened some time in the past.
Progressive aspect of an actin “zhengzai” Also the use if “zhe” with it.
To welcome someone and to see off someone I cant go the airport to see you off... etc.

Module IV

Shipment. Is this the place to checking luggage?
Basic dialogue on – Where do u work?
Basic dialogue on – This is my address
Basic dialogue on – I understand Chinese
Basic dialogue on – What job do u do?
Basic dialogue on – What time is it now?

Module V

Basic dialogue on – What day (date) is it today?
Basic dialogue on – What is the weather like here.
Basic dialogue on – Do u like Chinese food?
Basic dialogue on – I am planning to go to China.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation
I – Interaction/Conversation Practice

Text & References:

“Elementary Chinese Reader, Part-2” Lesson 31-38

V Semester

INTERNATIONAL ECONOMICS

Course Code: BAE 501

L-3/T-0/P-0 Credit Units: 03

Course Objective:

This course focuses on the basic or issues, concepts and theories related to the international economics. It includes different trade policy & welfare, international trading system, WTO, balance of payments, FORE, IMF & other.

Course Contents:

Module I

The subject matter of international economics
Comparative advantage: Ricardian, specific-factors,
Modern Theory: Heckscher-Ohlin models.

Module II

Concept of Net Barter Terms of trade,
Gross Barter Terms of Trade; Factors Affecting Trade
Terms of Trade and Economic Development

Module III

Free Trade Vs. Controlled Trade;
Tariffs and Non Tariffs Barriers;
Effects of Tariff under Partial Equilibrium (Price Effect, Terms of Trade Effect, Competitive Effect, Income effect, Revenue Effect)
Effects of Tariff under General Equilibrium(Stolper- Samuelson Theorem)

Module IV

The international trading system:
WTO and preferential trading agreements;
IMF; Currency Crises

Module V

Review of national income and balance of payments accounting.
Equilibrium and Disequilibrium in Balance of Payment
Methods of Removing BOP Defecit
The foreign exchange market and exchange rate determination.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Paul Krugman and Maurice Obstfeld, *International Economics: Theory and policy*, latest edition, Pearson Education low-price edition, distributed in India by Addison-Wesley Longman.
- Amitav K. Dutt (1995), "The Open Economy" in Prabhat Patnaik (ed.), *Macro-economics*, OUP, Delhi.

References:

- W.M. Corden (1974), *Trade Policy and Welfare*, Clarendon Oxford, Chapters 1, 2 and 9.
- T.N. Srinivasan (1998), *Developing Countries and the Multilateral Trading System*, OUP, Delhi, Chapters 5-8

STRATEGIC MANAGEMENT

Course Code: BAE 502

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The objective of this course is to develop an understanding of:

- The integrative role of all areas of management in business.
- The prescriptive and descriptive ideas of theorist's practitioners and researchers in the field.
- The principles of management and their relevance in business.
- The methods and techniques of strategic choice and strategic implementation over different industries
- Measurement of performance in various business and effect of strategies
- Difference between traditional and contemporary business management

Course Contents:

Module I: Introduction

Concept of Planning, Evolution of Strategic Management, Corporate Strategy, Patterns of Strategy Development, Levels of Strategy, Competitive scope and value chain

Module II: Strategic Analysis

Mission, Vision and Business Definition, Environmental Threat and Opportunity Profile (ETOP), Industry Analysis, Strategic Advantage Profile (SAP), Competitor analysis, market analysis, environmental analysis and dealing with uncertainty, scenario analysis and SWOT Analysis.

Module III: Strategic Choice

Traditional Approach - Strategic Alternatives, Various models like BCG, GE Nine Cell Matrix, Hofer's Model, Strickland's Grand Strategy Selection Matrix, Basis of Choice; Michael Porter's Approach - Generic competitive strategies, Cost advantage, differentiation, technology and competitive advantage, substitution, competitor, complementary products and competitive advantage, strategic vision vs. strategic opportunism, Coevolving and patching.

Module IV: Offensive and Defensive Competitive Strategies

Industry scenarios, advantages and disadvantages of defensive strategies, advantages and disadvantages of offensive strategies.

Module V: Strategic Implementation

Operationalizing Strategy, Institutionalizing Strategy, Strategic Control, Balanced Scorecard – Concepts and applications in strategy implementation

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

Text:

- Azhar Kazmi, Business Policy and Strategic Management, 2nd Edition, Tata McGraw Hill.
- Kaplan Robert & Norton David P., 2001, Strategic Focused Organization, 1st Ed., Harvard Business School Press.

References:

- Pearce John A & Robinson R B, 1977, Strategic Management: Strategy Formulation and Implementation, 3rd Ed., A.I.T.B.S. Publishers & Distributors.
- Aaker David, Strategic Market Management, 8th Ed., John Wiley and Sons
- Regular reading of all latest Business Journals: HBR, Strategist, Business World, Business India, Business Today.
- Porter Michael, Competitive Advantage: Creating and sustaining superior performance, Free press.
- Thomson & Strickland, Business Policy and Strategic Management, 14th Ed., Tata Mc Graw Hil

FINANCIAL MARKETS

Course Objective : All modern, developed economies have a sophisticated financial system which incorporates both the financial institutions and financial markets. Over the period of time, the financial system has undergone revolutionary changes and rapid development. Financial markets are becoming ever more complex, offering new types of financial instruments. This course aims to enable the learners in developing an understanding of the financial system in the era of liberalisation, privatisation and globalisation.

Module I: Credit and Financial System

Meaning ,kinds and sources of credit, Financial system: Functions and structure. Financial Intermediation and Financial Intermediaries. Financial system and economic development; Indicators of Financial Development Overview of Indian financial system.

Unit-II: Financial Institutions

Financial institutions: meaning and types; NBFIs- Definition, types, growth and their impact on India's economic development; Small savings: Growth and composition; Provident funds, Pension funds; Credit rating agencies.

Module III: Financial Markets

Structure and functions of financial markets; Money market and its constituents-Call money market, Treasury bill market, Commercial bill market, Repo market, commercial paper market; Certificate of deposits market; Capital market-Government securities market; Primary and secondary market for securities; SEBI-Objectives, functions and working.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:

- Bodie, Robert c Merton and David Cleaton (2009), Financial Economics, Pearson
- Elton, Gruber Brown, Goetzmann (2007), Modern Portfolio Theory and Investment Analysis
- Prasanna Chandra (2010), International Analysis and portfolio Management, Tata McGraw Hill
- Avadhani, V.A., Investment and Security markets in India, Himalaya Publishing House, New Delhi.
- Bhole, L.M., Financial Institutions & Markets, Tata McGraw-Hill Publishing Co., New Delhi
- Miskin. F, Economics of Money, Banking and Financial Markets, MIT Press, Cambridge
- Suraj B. Gupts, Monetary Economics–Institutions, Theory and Policy, S.Chand & Company Ltd, New Delhi.
- R.S. Sayers, Modern Banking, Oxford University Press, London.
- Websites for reference <http://financialmanagement-strategy.com>

<http://financialmanagementguide.investmentzone.com> <http://web.info.comt> <http://www.global-investment-institute.com>

Course Objective:

The core idea behind the inclusion of this subject is to introduce the students on the industrial developmental side of India, its different facts different arena, policies & future prospect.

Course Contents:**Module I: Overview of the Industrial Scene in India**

Trends in growth and productivity; Difference between comparative advantage and competitiveness; Measures of competitiveness-Quantitative and Qualitative; Impact of various Policies on Industrial Competitiveness

Module II: Issues relating to the Composition of Indian Industry

Small vs. Large Industry, Public vs. Private Sector, with emphasis on Performance of the public sector, Privatisation; Dynamics of the Industrial Sector: Growth and Sickness

Module III: Trends in Industrial Regulation and Control

Pricing in the public and private sectors; Employment growth in the industrial sector; Infrastructure and Technology; FDIs and FIIs; Limiting market abuses;

Module IV: Theories of Industrial location

Weber's deductive theory; Sargent Florence's inductive analysis; Factors affecting Industrial location;

Module V: Financing of Industry

Ownership and Efficiency; Equity markets;

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:**Text:**

- Dilip Mookherjee, ed. (1995), *Indian Industry*, Oxford University Press, New Delhi.

References:

- J. Bhagwati (1993), *India in Transition: Freeing the Economy*, Clarendon Oxford 1993
- Mrinal Datta Chaudhri (1990), Market Failure and Government Failure: *Journal of Economic Perspectives*
- NCAER *The India Infrastructure Report* (Rakesh Mohan Committee)
- Department of Disinvestment, White Paper, 2000

GUIDELINES FOR INTERNSHIP FILE AND INTERNSHIP REPORT

(These guidelines will be useful for undertaking an internship programme during the summer or at any other time wherein the student/ researcher works full time with a company/organisation)

There are certain phases of every Intern's professional development that cannot be effectively taught in the academic environment. These facets can only be learned through direct, on-the-job experience working with successful professionals and experts in the field. The internship programme can best be described as an attempt to institutionalize efforts to bridge the gap between the professional world and the academic institutions. Entire effort in internship is in terms of extending the program of education and evaluation beyond the classroom of a university or institution. The educational process in the internship course seeks out and focuses attention on many latent attributes, which do not surface in the normal class room situations. These attributes are intellectual ability, professional judgment and decision making ability, inter-disciplinary approach, skills for data handling, ability in written and oral presentation, sense of responsibility etc.

In order to achieve these objectives, each student will maintain and submit a file (**Internship File**) and a report (**Internship Report**).

INTERNSHIP FILE

The Internship File aims to encourage students to keep a personal record of their learning and achievements throughout the Programme. It can be used as the basis for lifelong learning and for job applications. *Items can be drawn from activities completed in the course modules and from the workplace to demonstrate learning and personal development.*

The File will assess the student's analytical skills and ability to present supportive evidence, whilst demonstrating understanding of their organization, its needs and his/her own personal contribution to the organization.

The File is essentially a comprehensive documentation of how one proceeds while working on the assignment and should be regularly checked by the faculty guide/ supervisor, issues discussed with the students, doubts if any clarified and signed as having done so. This will form the basis of **continuous evaluation** of the project.

The File will include *five sections* in the order described below.

1. **The Title Page** – An Internship Experience Report For (Your Name), name of internship organization, name of the Supervisor/Guide and his/her designation, date started and completed, and number of credits for which the report is submitted.
2. **Table of Content** – An outline of the contents of the file by topics and subtopics with the page number and location of each section.
3. **Introduction** – Short, but should include how and why you obtained the internship experience position and the relationship it has to your academic/professional and career goals.
4. **Main Body** – Should include a brief summary/ executive summary of the **Internship Project Report** that the student has worked on, an **analysis of the company/organization** in which the student is working, a **personal review** of the student's management skills and how they have been developed through the programme, the daily tasks performed, major projects contributed to, dates and hours spent on a task, observations and feelings, meetings attended and their purposes, listing of tools and materials and their suppliers, and photographs if possible of projects, buildings and co-workers.
5. **Appendices** – Include pamphlets, forms, charts, brochures, technical and descriptive literature, graphs and other information related to your Internship experience.

INTERNSHIP REPORT

The **Internship Report** is the research report that the student has to prepare on the project assigned by the organization. (Incase a student is not assigned a specific research project in the organization, he has to select any one aspect of the organization and prepare a research report on it). The lay out of the report should be as per the standard layout prescribed by the organization wherein the student undertakes the Internship. In case, there is no layout prescribed by the organization the following components should be included in the report:

➤ **Title or Cover Page.**

The title page should contain Project Title; Student's Name; Programme; Year and Semester and Name of the Faculty Guide.

➤ **Acknowledgements**

Acknowledgment to any advisory or financial assistance received in the course of work may be given. It is incomplete without student's signature.

➤ **Abstract**

A good "Abstract" should be straight to the point; not too descriptive but fully informative. First paragraph should state what was accomplished with regard to the objectives. The abstract does not have to be an entire summary of the project, but rather a concise summary of the scope and results of the project. It should not exceed more than 1000 words.

➤ **Table of Contents**

Titles and subtitles are to correspond exactly with those in the text.

➤ **Introduction**

Here a brief introduction to the problem that is central to the project and an outline of the structure of the rest of the report should be provided. The introduction should aim to catch the imagination of the reader, so excessive details should be avoided.

➤ **Materials and Methods**

This section should aim at experimental designs, materials used (wherever applicable). Methodology should be mentioned in details including modifications undertaken, if any. It includes organization site(s), sample, instruments used with its validation, procedures followed and precautions.

➤ **Results and Discussion**

Present results, discuss and compare these with those from other workers, etc. In writing this section, emphasis should be laid on what has been performed and achieved in the course of the work, rather than discuss in detail what is readily available in text books. Avoid abrupt changes in contents from section to section and maintain a lucid flow throughout the thesis. An opening and closing paragraph in every chapter could be included to aid in smooth flow.

Note that in writing the various sections, all figures and tables should as far as possible be next to the associated text, in the same orientation as the main text, numbered, and given appropriate titles or captions. All major equations should also be numbered and unless it is really necessary, do not write in "point" form.

While presenting the results, write at length about the the various statistical tools used in the data interpretation. The result interpretation should be simple but full of data and statistical analysis. This data interpretation should be in congruence with the written objectives and the inferences should be drawn on data and not on impression. Avoid writing straight forward conclusion rather, it should lead to generalization of data on the chosen sample.

Results and its discussion should be supporting/contradicting with the previous research work in the given area. Usually one should not use more than two researches in either case of supporting or contradicting the present case of research.

➤ **Conclusion(s) & Recommendations**

A conclusion should be the final section in which the outcome of the work is mentioned briefly.

Check that your work answers the following questions:

- Did the research project meet its aims (check back to introduction for stated aims)?
- What are the main findings of the research?
- Are there any recommendations?
- Do you have any conclusion on the research process itself?

➤ **Implications for Future Research**

This should bring out further prospects for the study either thrown open by the present work or with the purpose of making it more comprehensive.

➤ **Appendices**

The Appendices contain material which is of interest to the reader but not an integral part of the thesis and any problem that have arisen that may be useful to document for future reference.

➤ **References**

References should include papers, books etc. referred to in the body of the report. These should be written in the alphabetical order of the author's surname. The titles of journals preferably should not be abbreviated; if they are, abbreviations must comply with an internationally recognised system.

The Layout Guidelines for the Internship File & Internship Report:

- A4 size Paper
- Font: Arial (10 points) or Times New Roman (12 points)
- Line spacing: 1.5
- Top and bottom margins: 1 inch/ 2.5 cm; left and right margins: 1.25 inches/ 3 cm

Assessment Scheme:

Continuous Evaluation: (based on Internship File and the observations of the faculty guide/ supervisor)	30%
Feedback from Company/ Organization:	10%
Final Evaluation: (Based on Internship Report, Viva/ Presentation)	60%

ECONOMICS OF INFRASTRUCTURE

Course Code: BAE 506

L-3/T-0/P-0

Credits: 03

Course Objective:

To enable the student to understand the importance of infrastructure in an economy and the provision and management of it

Course Content:

Module I: Importance of Infrastructure

Infrastructure – meaning, importance and role in economic development - Infrastructure as a public good- Social and physical infrastructure- Special characteristics of infrastructure- Pricing of infrastructure.

Module II Transport and Communication

Demand for transport- cost functions in the transport sector – Principle of pricing- Special problems of individual modes of transport- Telephone utilities- cost in telephone industry- Characteristics of postal services- Criteria for fixation of postal rates- measurement of standards of service in telephone and postal utilities.

Module III: Energy, Electricity and Water Supply

Primacy of energy in the process of economic development- factors determining demand for energy- Effects of energy shortages- Energy conservation- Renewable and non-conventional sources of energy- Relative economics of thermal, hydel and nuclear power plants.

Module IV: Education and Economic Growth

Education and economic growth- the case for universal, free, primary education- structure of higher education- Financing of Higher Education in India- Health dimensions - Determinants of health – Poverty, Malnutrition, Illiteracy and lack of health information.

Module V Organisation and Financing of Infrastructure

Organization and financing of infrastructure - Private Vs Public sector financing - PPP in infrastructure.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

Dash. L. N, Economics of Infrastructure: Growth and Development, Regal, New Delhi, 2007
References: \Ashok V.Desai, Energy Demand, Analysis, Management and Conservation, Wiley Eastern, 1990.

Choudhuri. R.K. Economics of Public Utility, Himalaya Mumbai, 1986.

Raghuram .G, & Rekha Jain, Infrastructure Development and Financing, Macmillan New Delhi

Reddy. K.C, Economics and Public Policy, Himalaya Mumbai, 2000.

LABOUR ECONOMICS

Course Code: BAE 507

L-3/T-0/P-0

Credit: 03

Course Objective:

This paper exposes the students to theoretical as well as empirical issues concerning labour.

Course Contents:

Module I: Labour and Labour Economics

Meaning and concept of labour - Definition, nature, scope and importance of Labour Economics – Labour Market Segmentation – Labour Market Policies

Module – II: Wage Determination

Wage concepts - Minimum wage, fair wage and living wage - Classical, Neo classical and Bargaining theories; Types of wages in India -Need for State Regulation of wages - National Wage Policy and Wage Boards in India.

Module -III: Trade Unionism, Industrial Dispute and Labour Legislation

Meaning and objectives of Trade Union - Trade Union Movement in India- Problems and draw backs - Measures to strengthen the Trade Union Movement -Industrial disputes: meaning - causes and effects of industrial disputes - Prevention of industrial disputes - Machinery of settling the industrial disputes in India – Collective Bargaining - Labour Legislation in India.

Module IV: Social Security Measures of Labour

Meaning and need for Social Security Measures - Social Assistance and Social Insurance - Social Security Legislations in India: Workmen’s Compensation Act, 1923, Employees’ State Insurance Scheme Act, 1948, Maternity Benefits Act, 1961 and the Provident Fund Act, 1952 – Labour Welfare Funds

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- Tyagi B.P, Labour Economics and Social Welfare, Jai Prakash Nath & Co., Meerut, 2004
- Sharma A.K. - Labour Economics, Anmol Publications, New Delhi, 2007

References

- Hajela, P.D., Labour Restructuring in India: A Critique of the New Economic Policies Common wealth Publishers, New Delhi, 2011
- Venkata Ratnam, C.S., Globalization and Labour Management Relations Dynamics of change, Sage, New Delhi, 2001.
- Memoria, C.B., Labour Problems and Social Welfare in India, Allahabad, Kitab Mahae
- Misra, L., Child Labour in India, OUP, New Delhi, 2000

COMPARATIVE ECONOMIC DEVELOPMENT

Course Code: BAE 508

L-3/T-0/P-0

Credit : 03

Course Objective:

The objective of this course is to make a comparative study of the economic development among the developed countries- Britain, German, USA, Japan & USSR. The student will also get to know about the role of the state in economic development.

Course Contents:

Module I:

Perspectives on Comparative Economic Development: (a) Features of and trends in Modern Economic Growth -- a brief discussion of Kuznets' findings (b) Gerschenkron's hypothesis of Economic Development in Historical Perspective.

Module II

An overview of economic development of the countries selected for case studies -- Britain, U.S.A., Japan and USSR. Major features of structural changes and their interrelations- labour, productivity, capital formation, output, consumption, income and distribution of income.

Module III

Changes in the structure of agriculture and economic development -- Britain, Japan and U.S.S.R. Role and pattern of industrialisation in Britain, Japan and U.S.S.R

Module IV

Labour markets and processes - Britain and Japan Financial institutions and economic development in U.S.A and Japan

Module V

Foreign trade and economic development -- Britain, Japan and USA. Role of the State in economic development (regulatory and developmental role) -- Japan, USA and USSR

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- Richard A. Easterlin, Davis and Parker (1972) American Economic Growth: An economist's History of the United States. Harper & Row Chs. 1, 9, 14 and 17.
- Maurice Dobb (1977), Soviet Economic Development since 1917 ed.6, Routledge & Kegan Paul, Chs. 9, 10
- Paul R Gregory and Robert C. Stuart (1986), Soviet Economic Structure and Performance, Harper & Row (3rd ed) Chs. 1, 4, 5 & 7.
- E.J. Hobsbawm (1968), Industry and Empire: An Economic History of Britain since 1750. Weidenfeld & Nicholson, Chs.1, 2, 3, 5, 6.
- Richard Tilly, "German Banking" in Journal of European Economic History, 1986, Vol. 15. No.1. S. Kuznets(1966) Modern Economic Growth: Rate Structure and Spread

References:

- W.W. Lockwood (1966), *Economic Development of Japan*, Expanded edition, Princeton University Press, Chs.6,7 & 10
- Peter Mathias (1983), *The First Industrial Nation, An Economic History of Britain, 1700- 1914*. 2nd edn, Methuen Chs.1, 3, 8 and 15.
- Roderick Floud and D. McCloskey (ed) (1981), *Economic History of Britain Since 1700*, Cambridge University Press, (2nd ed) Ch. 12.
- T. Nakamura (1983) *Economic Growth in Pre-War Japan*, Tr. by Robert A Feldman, Yale University Press, Chs. 1, 2, 3, 5 and 6.
- Alec Nove (1969) *An Economic History of USSR*, Penguin, 1969, Chs.5,6,7,8

COMMUNICATION SKILLS - III

Course Code: BCS 501

L-1/T-0/P-0

Credit Units: 01

Course Objective:

To equip the participant with linguistic skills required in the field of science and technology while guiding them to excel in their academic field.

Course Contents:

Module I

Reading Comprehension
Summarising
Paraphrasing

Module II

Essay Writing
Dialogue Report

Module III

Writing Emails
Brochure
Leaflets

Module IV: Introduction to Phonetics

Vowels
Consonants
Accent and Rhythm
Accent Neutralization
Spoken English and Listening Practice

Examination Scheme:

Components	CT1	CT2	CAF	V	GD	GP	A
Weightage (%)	20	20	25	10	10	10	5

CAF – Communication Assessment File

GD – Group Discussion

GP – Group Presentation

Text & References:

- Effective English for Engineering Students, B Cauveri, Macmillan India
- Creative English for Communication, Krishnaswamy N, Macmillan
- A Textbook of English Phonetics, Balasubramanian T, Macmillan

BEHAVIOURAL SCIENCE - V

(INDIVIDUAL, SOCIETY AND NATION)

Course Code: BSS 501

L-1/T-0/P-0

Credit Units: 01

Course Objective:

This course aims at enabling students towards:

- Understand the importance of individual differences
- Better understanding of self in relation to society and nation
- Facilitation for a meaningful existence and adjustment in society
- To inculcate patriotism and National pride.
- To enhance personal and professional excellence

Course Contents:

Module I: Individual differences & Personality

Personality: Definition & Relevance

Importance of nature & nurture in Personality Development

Importance and Recognition of Individual differences in Personality

Accepting and Managing Individual differences (Adjustment Mechanisms)

Intuition, Judgment, Perception & Sensation (MBTI)

BIG5 Factors

Module II: Socialization

Nature of Socialization

Social Interaction

Interaction of Socialization Process

Contributions to Society & Nation

Module III: Patriotism and National Pride

Sense of Pride and Patriotism

Importance of Discipline and hard work

Integrity and accountability

Module IV: Human Rights, Values and Ethics

Meaning of Human Rights

Human Rights Awareness

Importance of human rights

Values and Ethics- Learning based on project work on Scriptures like Ramayana, Mahabharata, Gita etc

Module V: Personal and Professional Excellence

- Personal excellence:
 - Identifying Long-term choices and goals
 - Uncovering talent, strength and style

Alan P. Rossiter's eight aspects of Professional Excellence

Resilience during challenge and loss

Continued Reflection (Placements, Events, Seminars, Conferences, Projects, Extracurricular Activities, etc.)

Module VI: End-of-Semester Appraisal

Viva based on personal journal

Assessment of Behavioural change as a result of training

Exit Level Rating by Self and Observer

Text & References:

- Bates, A. P. and Julian, J.: Sociology - Understanding Social Behaviour
- Dressler, David and Cans, Donald: The Study of Human Interaction
- Lapiere, Richard. T – Social Change
- Rose, G.: Oxford Textbook of Public Health, Vol.4, 1985.
- Robbins O.B.Stephen;. Organizational Behaviour

FRENCH - V

Course Code: FLN 501

L-2/T-0/P-0

Credit

Units: 02

Course Objective:

To furnish some basic knowledge of French culture and civilization for understanding an authentic document and information relating to political and administrative life

Course Contents:

Module D: pp. 131 – 156 Unités 10, 11

Contenu lexical:

Unité 10: Prendre des décisions

1. Faire des comparaisons
2. décrire un lieu, le temps, les gens, l'ambiance
3. rédiger une carte postale

Unité 11: faire face aux problèmes

1. Exposer un problème.
2. parler de la santé, de la maladie
3. interdire/demander/donner une autorisation
4. connaître la vie politique française

Contenu grammatical:

1. comparatif - comparer des qualités/ quantités/actions
2. supposition : Si + présent, futur
3. adverbe - caractériser une action
4. pronom "Y"

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- le livre à suivre: Campus: Tome 1

GERMAN - V

Course Code: FLG 501

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable the students to converse, read and write in the language with the help of the basic rules of grammar, which will later help them to strengthen their language.

To give the students an insight into the culture, geography, political situation and economic opportunities available in Germany

Introduction to Advanced Grammar and Business Language and Professional Jargon

Course Contents:

Module I: Genitive case

Genitive case – Explain the concept of possession in genitive

Mentioning the structure of weak nouns

Module II: Genitive prepositions

Discuss the genitive prepositions and their usage: (während, wegen, statt, trotz)

Module III: Reflexive verbs

Verbs with accusative case

Verbs with dative case

Difference in usage in the two cases

Module IV: Verbs with fixed prepositions

Verbs with accusative case

Verbs with dative case

Difference in the usage of the two cases

Module V: Texts

A poem 'Maxi'

A text Rocko

Module VI: Picture Description

Firstly recognize the persons or things in the picture and identify the situation depicted in the picture;

Secondly answer questions of general meaning in context to the picture and also talk about the personal experiences which come to your mind upon seeing the picture.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Wolfgang Hieber, Lernziel Deutsch
- Hans-Heinrich Wangler, Sprachkurs Deutsch
- Schulz Griesbach, Deutsche Sprachlehre für Ausländer
- P.L Aneja, Deutsch Interessant- 1, 2 & 3
- Rosa-Maria Dallapiazza et al, Tangram Aktuell A1/1, 2
- Braun, Nieder, Schmöe, Deutsch als Fremdsprache 1A, Grundkurs

SPANISH - V

Course Code: FLS 501

L-2/T-0/P-0

Credit Units: 02

Course Objective:

To enable students acquire working knowledge of the language; to give them vocabulary, grammar, voice modulations/intonations to handle everyday Spanish situations with ease.

Course Contents:

Module I

Revision of earlier semester modules

Module II

Future Tense

Module III

Presentations in English on
Spanish speaking countries'
Culture
Sports
Food
People
Politics
Society
Geography

Module IV

Situations:
En el hospital
En la comisaria
En la estacion de autobus/tren
En el banco/cambio

Module V

General revision of Spanish language learnt so far.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

- Español Sin Fronteras, Greenfield

CHINESE – V

Course Code:FLC 501

L-2/T-0/P-0

Credit Units: 02

Course Objective:

What English words come from Chinese? Some of the more common English words with Chinese roots are ginseng, silk, dim sum, fengshui, typhoon, yin and yang, Tai chi, kung-fu. The course aims at familiarizing the student with the basic aspects of speaking ability of Mandarin, the language of Mainland China. The course aims at training students in practical skills and nurturing them to interact with a Chinese person.

Course Contents:

Module I

Drills
Dialogue practice
Observe picture and answer the question.
Pronunciation and intonation.
Character writing and stroke order

Module II

Intonation
Chinese foods and tastes – tofu, chowmian, noodle, Beijing duck, rice, sweet, sour...etc. Learning to say phrases like – Chinese food, Western food, delicious, hot and spicy, sour, salty, tasteless, tender, nutritious, good for health, fish, shrimps, vegetables, cholesterol is not high, pizza, milk, vitamins, to be able to cook, to be used to, cook well, once a week, once a month, once a year, twice a week.....
Repetition of the grammar and verbs taught in the previous module and making dialogues using it.
Compliment of degree “de”.

Module III

Grammar the complex sentence “suiran ... danshi....”
Comparison – It is colder today than it was yesterday.....etc.
The Expression “chule....yiwai”. (Besides)
Names of different animals.
Talking about Great Wall of China
Short stories

Module IV

Use of “huozhe” and “haishi”
Is he/she married?
Going for a film with a friend.
Having a meal at the restaurant and ordering a meal.

Module V

Shopping – Talking about a thing you have bought, how much money you spent on it? How many kinds were there? What did you think of others?
Talking about a day in your life using compliment of degree “de”. When you get up? When do you go for class? Do you sleep early or late? How is Chinese? Do you enjoy your life in the hostel?
Making up a dialogue by asking question on the year, month, day and the days of the week and answer them.

Examination Scheme:

Components	CT1	CT2	C	I	V	A
Weightage (%)	20	20	20	20	15	5

C – Project + Presentation

I – Interaction/Conversation Practice

Text & References:

“Elementary Chinese Reader ” Part-II Lesson 39-46

VI Semester ECONOMIC GROWTH & DEVELOPMENT

Course Code: BAE 601

L-3/T-0/P-0

Credit Units: 03

Course Objective:

This course will enable the students to acquire advanced knowledge as to how policies facilitate the economic growth and development in advanced countries. It also enables the students to understand important growth models and help them to familiarize with factors that contribute to economic growth. It will provide a strong knowledge base on India's economy both during pre and post reform periods and help in developing a critical study on recent development in the Indian Economy in the context of the world economic scenario.

Course Contents:

Module I

Economic growth, Economic Development and Sustainable Development – Measurement of Development: Conventional, HDI and Physical Quality of life Index (PQLI) – Factors determining economic development – Obstacles of economic development: vicious circle of poverty.

Module II

Growth Theories-Adam Smith-Ricardo-Malthus- Karl Marx-Schumpeter's theory of Development-Keynes-Rostow's stages of Economic Growth-Big Bush theory.

Module III

Doctrine of balanced growth-Concept of unbalanced growth-Dualistic theories-Myrdal theory- Growth Models-Harrod-Domar – Joan Robinson's model of capital accumulation-Meade's neoclassical model-Solow Model of Long Run Growth-Kaldor's model of growth-Models of Technical Change – Mahalanobis Model.

Module IV

Economic planning-Planning process in a mixed economy-Growth Models in Indian Planning- Need for Foreign Capital-Forms of Foreign Capital-Multinational Corporations and foreign collaborations – India's Balance of Payments.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- R.C. Agarwal and M.L. Seth: Economic of Development and Planning, Lakshmi Narain Agarwal, Agra.
- A.N. Agarwal and Kundanlal: Economics of Development and Planning, Vikas Publishing House P. Ltd
- Debraj Ray, Development Economics, Oxford University Press, 2009

References:

The Economics of Development and Planning (with special reference to India) Vani education books

ECONOMETRICS—BASIC THEORY & APPLICATION

Course Code: BAE 602

L-3/T-1/P-0

Credit Units: 04

Course Objective:

This course presents the basic econometrics techniques emphasizing numerical estimation of economic relationships as applied to practical economic and managerial problems. It enables the students to learn the basic econometric techniques relating to the estimation of parameters. On successful completion of the course the students should have understood the estimation techniques, learned the difficulties involved in the estimation process, evaluation of parameters and enable understanding of scientific decision making process.

Course Contents:

Module I: Nature and Scope of Econometrics,

The methodology of econometric research; Specification and estimation of an econometric model; Basic concepts of estimation

Module II: Simple Linear Regression Model: Two Variable Case

Estimation of model by method of ordinary least squares, properties of estimators, goodness of fit; tests of hypotheses, scaling and units of measurement, confidence intervals, Gauss Markov theorem, forecasting.

Module III: Multiple Linear Regression Model.

Estimation of parameters; properties of OLS estimators, goodness of fit, partial regression coefficients, testing hypotheses, functional forms of regression models, qualitative (dummy variables) independent variables

Module IV: Violations of Classical Assumptions and Remedies

Multicollinearity, Heteroscedasticity and Auto-correlation

Module V: Specification Analysis

Omission of a relevant variable; Inclusion of irrelevant variable; Tests of Specification Errors

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- A Koutsoyiannis, —Theory of Econometrics: An Introduction Exposition of Econometric Methods, Educational Low-Priced Books Scheme, McMillan Education Ltd. (1992).
- Damodar Gujarathi "Basic Econometrics", Tata McGraw Hill Ltd, 2010

References:

- Christopher Dougherty, Introduction to Econometrics, Oxford University Press, 3rd Edition, Indian Edition, 2007.
- Jan Kmenta, Elements of Econometrics, Indian Reprint, Khosla Publishing House, 2nd edition, 2008.A.S. Goldberger (1998), Introductory Econometrics, Harvard University Press, Cambridge.
- Suresh K.Ghose —Econometrics, Prentice Hall of India private limited, New Delhi

BUSINESS INFORMATION & DATA BASE SYSTEM

Course Code: BAE 603

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The aim of this course is to introduce the students to the managerial issues relating to information systems, its role in organization and how information technology can be leveraged to provide business value.

Course Contents:

Module I

MIS need and concepts, characteristics, Typology of MIS, Structure of MIS. Planning for MIS, System Development Methodologies, Conceptual and detailed designs of MIS, System Implementation strategies and process, System Evaluation and Maintenance

Module II

Introduction to data base management system- Data versus information, record, file; data dictionary, database administrator, functions and responsibilities, file-oriented system versus databases system

Module III

Advanced Concepts in Information Systems: Enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Data, Warehousing and Data Mining

Module IV

Database system architecture- Introduction, schemas, sub schemas and instances; data base architecture, data independence, mapping, data models, types of database systems

Module V

Data base security- Threats and security issues, firewalls and database recovery; techniques of data base security; distributed data base.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- James, A. O'Brien, Introduction to Information Systems, Tata McGraw-Hill Publishing Co. Ltd., New Delhi, 2005.
- Kenneth C. Laudon and Jane P. Laudon, Management Information Systems, Prentice-Hall of India, New Delhi, 9th Edition, 2006.

References:

- Navathe, Data Base System Concepts 3rd, McGraw Hill.
- Date, C.J., An Introduction to Data Base System 7ed, Addison Wesley.
- Singh, C.S., Data Base System, New Age Publications, New Delhi.

DISSERTATION

Course Code: BAE 604

Credit Units: 09

GUIDELINES FOR DISSERTATION

The aim of the dissertation is to provide you with an opportunity to further your intellectual and personal development in your chosen field by undertaking a significant practical unit of activity, having an educational value at a level commensurate with the award of your degree

The dissertation can be defined as a scholarly inquiry into a problem or issues, involving a systematic approach to gathering and analysis of information / data, leading to production of a structured report.

Selecting the Dissertation Topic

It is usual to give you some discretion in the choice of topic for the dissertation and the approach to be adopted. You will need to ensure that your dissertation is related to your field of specialization.

Deciding this is often the most difficult part of the dissertation process, and perhaps, you have been thinking of a topic for some time.

It is important to distinguish here between 'dissertation topic' and 'dissertation title'. The topic is the specific area that you wish to investigate. The title may not be decided until the dissertation has been written so as to reflect its content properly.

Few restrictions are placed on the choice of the topic. Normally we would expect it to be:

- relevant to business, defined broadly;
- related to one or more of the subjects or areas of study within the core program and specialisation stream;
- clearly focused so as to facilitate an in-depth approach, subject to the availability of adequate sources of information and to your own knowledge;
- of value and interest to you and your personal and professional development.

Planning the Dissertation

This will entail following:

- Selecting a topic for investigation.
- Establishing the precise focus of your study by deciding on the aims and objectives of the dissertation, or formulating questions to be investigated. Consider very carefully what is worth investigating and its feasibility.
- Drawing up initial dissertation outlines considering the aims and objectives of the dissertation. Workout various stages of dissertation
- Devising a timetable to ensure that all stages of dissertation are completed in time. The timetable should include writing of the dissertation and regular meetings with your dissertation guide.

The Dissertation plan or outline

It is recommended that you should have a dissertation plan to guide you right from the outset. Essentially, the dissertation plan is an outline of what you intend to do, chapter wise and therefore should reflect the aims and objectives of your dissertation.

There are several reasons for having a dissertation plan

- It provides a focus to your thoughts.
- It provides your faculty-guide with an opportunity, at an early stage of your work, to make constructive comments and help guide the direction of your research.
- The writing of a plan is the first formal stage of the writing process, and therefore helps build up your confidence.
- In many ways, the plan encourages you to come to terms with the reading, thinking and writing in a systematic and integrated way, with plenty of time left for changes.
- Finally, the dissertation plan generally provides a revision point in the development of your dissertation report in order to allow appropriate changes in the scope and even direction of your work as it progresses.

Keeping records

This includes the following:

- Making a note of everything you read; including those discarded.

- Ensuring that when recording sources, author's name and initials, date of publication, title, place of publication and publisher are included. (You may consider starting a card index or database from the outset). Making an accurate note of all quotations at the time you read them.
- Make clear what is a direct a direct quotation and what is your paraphrase.
-

Dissertation format

All students must follow the following rules in submitting their dissertation.

- Front page should provide title, author, Name of degree/diploma and the date of submission.
- Second page should be the table of contents giving page references for each chapter and section.
- The next page should be the table of appendices, graphs and tables giving titles and page references.
- Next to follow should be a synopsis or abstract of the dissertation (approximately 500 words) titled: **Executive Summary**.
- Next is the 'acknowledgements'.
- Chapter I should be a general introduction, giving the background to the dissertation, the objectives of the dissertation, the rationale for the dissertation, the plan, methodological issues and problems. The limitations of the dissertation should also be hinted in this chapter.
- Other chapters will constitute the body of the dissertation. The number of chapters and their sequence will usually vary depending on, among others, on a critical review of the previous relevant work relating to your major findings, a discussion of their implications, and conclusions, possibly with a suggestion of the direction of future research on the area.
- After this concluding chapter, you should give a list of all the references you have used. These should be cross - references with your text. For articles from journals, the following details are required e.g.

Draper P and Pandyal K. 1991, The Investment Trust Discount Revisited, Journal of Business Finance and Accounting, Vol18, No6, Nov, pp 791-832.

For books, the following details are required:

Levi, M. 1996, International Financial Management, Prentice Hall, New York, 3rd Ed, 1996

- Finally, you should give any appendices. These should only include relevant statistical data or material that cannot be fitted into the above categories.

The Layout Guidelines for the Dissertation:

- A4 size Paper
- Font: Arial (10 points) or Times New Roman (12 points)
- Line spacing: 1.5
- Top and bottom margins: 1 inch/ 2.5 cm; left and right margins: 1.25 inches/ 3 cm

Guidelines for the Assessment of the Dissertation

While evaluating the dissertation, faculty guide will consider the following aspects:

1. Has the student made a clear statement of the objective or objective(s).
2. If there is more than one objective, do these constitute parts of a whole?
3. Has the student developed an appropriate analytical framework for addressing the problem at hand.
4. Is this based on up-to-date developments in the topic area?
5. Has the student collected information / data suitable to the frameworks?
6. Are the techniques employed by the student to analyse the data / information appropriate and relevant?
7. Has the student succeeded in drawing conclusion form the analysis?
8. Do the conclusions relate well to the objectives of the project?
9. Has the student been regular in his work?
10. Layout of the written report.

Assessment Scheme:

Continuous Evaluation: 40%
(Based on Abstract, Regularity, Adherence to initial plan, Records etc.)

Final Evaluation: Based on, 60%

Contents & Layout of the Report,	25
Conceptual Framework,	10
Objectives & Methodology and	10
Implications & Conclusions	15

BUSINESS ETHICS & CORPORATE GOVERNANCE

Course Objective:

The objective of the course is to help the students understand the nature of business ethics and issues in corporate governance and its application to the Indian corporate scene.

Course Contents:**Module I**

Introduction to Business Ethics, ethics, Morals and values, Concepts of Utilitarianism and Universalism- Theory of rights, Theory of justice- Virtue ethics- ethics of care- Law and Ethics- the Nature of Ethics in Management- Business Standards and Values- Value Orientation of the firm.

Module II: Typical Problem in Business Ethics

Environmental Pollution & Society- marketing Ethics (in Products, Pricing, Promotion and Place) and Consumer protection- Ethics in Human Resources Management (Recruitment and promotion policies, Working Conditions, Down Sizing Workforce),

Module III: Complexity of Ethical Issues

Conflicts in decision making from ethical and economic point of view- Ethical Dilemma- Solving ethical dilemma Managerial integrity and decision making.

Module IV: Corporate Governance

History of Corporate form and models- Corporate Objectives and goals, ownership pattern- Issues in Managing public limited firms- Agency problems.

Module V: Internal Corporate Governance Mechanism

Board of Directors- Functional Committees of Board; Code of Conduct, whistle blowers.

Module VI: External Corporate Governance Mechanism

Regulators, Gate keepers, Institutional Investors, Corporate raiders & Corporate Governance in India.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text & References:**Text:**

- Business Ethics: Concepts & Cases, Velasques, M.G., PHI
- Corporate Governance, Eric Banks, John Wiley

References:

Corporate Governance, Fernando Pearson Education

ECONOMICS OF HEALTH AND EDUCATION

Course Code: BAE 606

L-3/T-0/P-0

Credit Units: 03

Course Objective:

The importance of education and health in improving well being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states, which include among other goals, achieving universal primary education, reducing child mortality, improving maternal health and combating diseases. This course provides a microeconomic framework to analyse, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors. It also gives an overview of health and education in India.

Course Contents:

Module I

Definition and scope; Health, good health and quality of life; Determinants of good health; Measurement of health status; Mortality, morbidity and —HALY family of summary measures QUALY

Module II

Demand for health and demand for medical care. Supplier induced demand; Production of health care, providers-physicians, hospitals and pharmaceuticals; Role of technological change in health care; Sustainability, equity-efficiency trade off

Module III: Economics of Education

Economics of Education: meaning, nature and scope; Education and economic development; Educational indicators; Educational production function. Education planning techniques, Effects of Education on levels of earnings and value based education

Module IV:

Education in India

Indian perspective to education, Sarva Shiksha Abhiyan, Right to Education and Legislations relating to Right to Education with special reference to Constitutional provisions/Preamble. Higher Education in India: Issues, Concerns and New Directions

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

William, Jack, Principles of Health Economics for Developing Countries, World Bank Institute Development Studies, 1999.

References:

- World Development Report, Investing in Health, The World Bank, 1993.
- Charles Phelps - Health economics
- Clewer, Ann and David Perkins 1998 – Economics for health care management

HUMAN RESOURCE DEVELOPMENT

Course Code: BAE 607

L-3/T-0/P-0

Credits: 03

Course Objective:

The objective of this paper is to equip the students with theoretical concepts, methodology and process of reasoning involved in analysing economic behaviour of individuals, firms and markets. The role of public - private investment in context of human capital, issues of health insurance, financing and functioning of the market for human resources is discussed.

Course Contents:

Module I

Human Resource Development (HRD): Concept; Functions; Traditional and Modern approaches; Human Resource Development and Manpower Planning. Role of Health and Education in Human Development. Importance in poverty alleviation

Module II

Human Capital: Concept; Problems of measurement; Role of public and private investment in human capital formation; Economics of education (formal, informal, on the job training and re-training). Rate of return to education: private and social. Education Sector in India: An Overview. Literacy rates, school participation, school quality measures.

Module III

Functioning of Market for Human Resources: Internal allocation and brain drain, Asymmetric Information and Functioning of the Human Resource Market; Migration (Theories and the emerging challenges); Managing Human Resources. Demand and supply forecasting, wages, incentives - productivity relationship, economics of discrimination.

Examination Scheme:

Components	P0 (Attendance)	P1	C1	CT	EE1
Weightage (%)	5	5	5	15	70

Text:

- Kempton, John : Human Resource Management and Development: Current Issues and Themes. McMillan, London
- Sayeed M.: Human Resource Accounting, D,K.Kulshreshtha, Anmol Publications, New Delhi
- Campbell, R McDonnel: Contemporary Labor Economics, McGraw – Hill Book Company, New York and Brue Stanley, L

References:

- World Development Report : Investing in Health. The World Bank, 1993.
- William, Jack: Principles of Health Economics for Developing Countries, World Bank Institute Development. Studies, 1999
- Venkata Ratnam, C S: Globalization and Labour-Management Relations: Dynamics