

SHIVAJI UNIVERSITY, KOLHAPUR



A++

Accredited By NAAC

Department of Economics-Autonomous

Syllabus For

B.Sc.-M. Sc. Economics Integrated (Five Years)

(As per National Education Policy 2020)

Faculty of Humanities

(B.Sc. Economics First Year, Semester I and II)

(Subject to the modifications to be made from time to time)

Syllabus with effect from June 2022

Shivaji University Kolhapur
Department of Economics-Autonomous
B.Sc.-M. Sc. Economics Integrated (Five Years)
(As per National Education Policy-2020)
With effect from academic year 2022-23

Structure of Level 5 of B.Sc.-M. Sc. Economics Integrated (Five Years)											
Semester I											
Teaching Scheme						Examination Scheme					
Sr. No.	Theory				Practical	Semester-end Examination (SEE)			Internal Assessment (IA)		
	Course TYPE	No of Lectures	Hours	Credits		Paper Hours	Max	Min	Internal	max	Min
1	DSC-I	4	3.2+0.8	4		3	70	28		30	12
2	DSC-I	4	3.2+0.8	4		3	70	28		30	12
3	DSC-I	4	3.2+0.8	4		3	70	28		30	12
4	DSC-I	4	3.2+0.8	4		3	70	28		30	12
5	GEC-I /DSE-I	4	3.2+0.8	4		3	70	28		30	12
6	AECC-I	4	3.2+0.8	4		3	70	28		30	12
7	SEC-I	2	2	2		3	50	20		-	-
		26	20.2+5.8 =26	26			470	188		180	72

Semester II											
Teaching Scheme						Examination Scheme					
Sr. No.	Theory				Practical	Semester End Examination			Internal Assessment		
	Course TYPE	No of Lectures	Hours	Credits		Paper Hours	Max	Min	Internal	max	Min
1	DSC-II	4	3.2+0.8	4		3	70	28		30	12
2	DSC-II	4	3.2+0.8	4		3	70	28		30	12
3	DSC-II	4	3.2+0.8	4		3	70	28		30	12
4	DSC-II	4	3.2+0.8	2	2*4=8#	3	70	28		30	12
5	GEC-I /DSE-II	4	3.2+0.8	4		3	70	28		30	12
6	AECC-II	4	3.2+0.8	4		3	70	28		30	12
7	SEC-II	2	2	2		0.5	50	20		-	-
		26	19.2+6.8 =26	26			470	188		180	72
Grand Total Semester I & II		52	52	52	08		940	376		360	144

Total Credits Required for Completing Level 5 : 52 Credits

#Practical workload for two batches (per batch 20 students/per batch 4 hours teaching)

DSC: Discipline Specific Core Course- Student can opt four courses (subjects) from DSC (B) However, student shall have to opt for at least one language course (Subject) from DSC (A)
GEC: Generic Elective Course- student can opt any one course (subject)
DEC- Discipline Specific Course
AECC: Ability Enhancement Core Course (Compulsory English)
(A) Non- Credit Self Study Course- Compulsory Civic Course (CCC) for Semester I: CCC-I Democracy Election and Good Governance
(B) Non- Credit Self Study Course: Skill Development Course (SDC) For Sem.-II DSC-I any one from following. i to v i) Business Communication and Presentation ii) Event Management iii)Personality Development iv) Yoga AND Physical Management v) Resume, Report and Personal Writing.
SEC: Skill Enhancement Course, - Students have to complete one SEC each in both Semesters selecting from the platform suggested in NEP Regulation of Shivaji University, Kolhapur (Refer SUK BOS letter Dt. 12 Sep.2022) or from the basket of SEC made available BY Shivaji University Kolhapur

Teaching Scheme for B. Sc. - M. Sc. Economics Integrated (Five Years) For Level 5

Semester I						
Sr. No.	Course TYPE	Title of the Courses	Theory		Practical	Credits
			No. of Lectures	Hours		
1	DSC-I	Micro Economics I	4	3.2+0.8	-	4
2	DSC-I	Mathematics for Economics	4	3.2+0.8	-	4
3	DSC-I	Indian Economy I	4	3.2+0.8	-	4
4	DSC-I	Statistics I	4	3.2+0.8	-	4
5	GEC-I /DSE-I	Economic Thoughts	4	3.2+0.8	-	4
6	AECC-I	English for Economics Elementary	4	3.2+0.8	-	4
7	SEC-I	Democracy, Election and Good Governance	2	2	-	2
Total			26	20.2+5.8=26		26

Semester II						
Sr. No.	Course TYPE	Title of the Courses	Theory		Practical	Credits
			No Of Lectures	Hours		
1	DSC-II	Micro Economics II	4	3.2+0.8	-	4
2	DSC-II	Macro Economics I	4	3.2+0.8	-	4
3	DSC-II	Econometrics I	4	3.2+0.8	-	4
4	DSC-II	Computer Application in Economics I	2	3.2+0.8	2*4=8#	4
5	GEC-II/ DSE-II	Financial Methods	4	3.2+0.8	-	4
6	AECC-II	German Language	4	3.2+0.8	-	4
7	SEC-II	Constitution of India and Local self-Government	2	2	-	2
			26	19.2+6.8=26		26
			52	52	08	52

#Practical workload for two batches (per batch 20 students/Per batch 4 hours teaching

Question Paper Pattern for Semester-End Examination

B. Sc.-M. Sc. Economics Integrated (Five Years)

Paper Title:

Subject Code:

Day and Date:	Total Marks: 70	
Time: 2 Hours		
Instructions: 1. All question are compulsory. 2. Figures to right indicated Full Marks.		
Q. No.	Type of Question	Marks
1	Objective Type Questions (Each Question carry two marks) A. Objective Type questions. B. Answer in one or two sentences	20 10 10
2	Short Answer questions (Any Two out of Three Questions)	15
3	Answer in Brief (Any three out of five Questions)	15
4	Descriptive type question	20

Internal Assessment

Sr. No.	Semester	Type of internal Assessment	
		For 20 Marks	For 10 Marks
1	I	Unit test	Home Assignment/Oral Examination/ Seminar Presentation/Group Discussion/ Field work/Project work/ Review of Article/Academic Writing
2	II	Unit Test	
3	III	Unit Test	
4	IV	Unit Test	
5	V	Unit Test	
6	VI	Unit Test	

For Home Assignment, Oral Examination, Seminar Presentation, Group Discussion, Field work/Project work and Review of Article/Academic Writing Maximum marks shall be 10.

Result - The result of each semester shall be declared as Pass or Fail or Allowed to Keep Terms (A.T.K.T. for Semester II & IV) with grade/ grade points and Credits gained.

SHIVAJIUNIVERSITY, KOLHAPUR
DEPARTMENT OF ECONOMICS-AUTONOMOUS
B.Sc.-M.Sc. Economics Integrated (Five Years)
B. Sc. Economics First Year
Semester-I

Paper Code	Paper Title
DSC-1	Micro Economics-I
DSC-1	Mathematics for Economics
DSC-1	Indian Economy-I
DSC-1	Statistics-I
GEC-I/DSE-I	Economic Thoughts
AECC-I	English for Economics: Elementary
SEC- I	Democracy, Election and Good Governance

Micro Economics-I

Paper No. **DSC-1**

Total Credits: 4

Course Outcomes:

1. Student will be able to understand the individual decision making.
2. Student will get the theoretical understanding of demand and supply.
3. Student will get the knowledge about the household consumption decisions.
4. Student will be able to differentiate the firm from industry.

Unit 1	Introduction to Micro Economics	15 (Periods)
	1.1 Meaning and scope of micro economics, Scarcity and choice, problem of scarcity and affluence	
	1.2 Positive and normative economics and basic tool for economics analysis	
	1.3 Basic economic Problems, Choice of technique of production and the problem of economic efficiency	
	1.4 Nature of economic reasoning Deductive v/s Inductive method, role of assumptions in economic theory	
Unit 2	Demand and Supply	15 (Periods)
	2.1 Demand function; Individual and Market demand function, Significance of demand function, shift in demand curve	
	2.2 Law of Demand; Factors determining demand, relationship between demand function and demand curve. Elasticity of demand	
	2.3 Supply: Supply function, relation between supply and price	
	2.4 Law of Supply; Shift in supply curve elasticity of supply, factors determining elasticity of supply, Concept of market equilibrium	
Unit 3	Theory of Consumer Behaviour	15 (Periods)
	3.1 Utility Analysis: Cardinal v/s Ordinal Total, Average and Marginal Utility	
	3.2 Law of Diminishing Marginal utility, Law of Equi-marginal utility, Derivation of Demand Curve	
	3.3 Consumption Decisions, Consumption, Income and Price	
	3.4 Consumer Surplus and Measurement.	
Unit 4	Firm and Industry	15 (Periods)
	4.1 Objectives and nature of the firm Types of Business Organisation	
	4.2 Production Function, Total, Average and Marginal Physical Product	
	4.3 Law of Variable Proportions	
	4.4 Law of Returns to Scale	

References/Reading List

1. H. L. Ahuja, (2017), Advanced Economic Theory: Micro Economic Analysis, S Chand and Company
2. D. N. Dwivedi, (2008) Microeconomic Theory and Applications, Pearson Education
3. Robert, Daniell and Prem L. (2009), Microeconomics, Pearson Prentice Hall, Noida.
4. Hal R., Varian (2010): Intermediate Microeconomics: A Modern Approach, Springer (India) Pvt. Ltd. India
5. Koutsoyiannis, A. (1979), Modern Microeconomics (2nd Edition), Macmillan Press, London
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi
7. Archibald, G. C. (Ed.) (1971), Theory of the firm, Penguin, Harmondsworth
8. Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi
9. Green, H. A. G. (1971), Consumer Theory, Penguin, Harmondsworth
10. Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.

Mathematics for Economics

Paper No. DSC-2

Total Credits: 4

Course Outcomes:

1. The student will be able to understand basic concepts of Mathematics.
2. The student will be able to do matrix operations.
3. The student will be able to understand process of differentiation.
4. The student will be able to understand process of integration.

Unit-I Preliminaries: Sets, Functions and Straight Line (15 Periods)

- 1.1 Sets-Basic set operations, convex sets;
- 1.2 Functions-Meaning, elementary types of functions: quadratic, polynomial, power, exponential, logarithmic;
- 1.3 Convex, concave, quasi concave, homogeneous and homothetic functions;
- 1.4 Straight line and its equation

Unit-II Matrix Algebra (15 Periods)

- 2.1 Matrix-Concept, Meaning and Types;
- 2.2 Operations of Matrices-Addition, Subtraction and Multiplication; Determinant of Matrices, Rank of Matrix
- 2.3 Inverse of Matrix
- 2.4 Solution of Simultaneous Equations using Matrix

Unit-III Differential Calculus (15 Periods)

- 3.1 Differentiation-Meaning and concept
- 3.2 Differential Calculus of One Variable-Rules of differentiation
- 3.3 Differential Calculus of Two Variables-Partial Differentiation and Total Differentiation
- 3.4 Maxima and Minima

Unit-IV Integral Calculus (15 Periods)

- 4.1 Integration-Concept , Meaning
- 4.2 Rules of Integration
- 4.3 Indefinite Integration
- 4.4 Definite integration

References/Reading List

1. D. Bose: An Introduction to Mathematical Economics, Himalaya Publishing House
2. Edward T. Dowling: Introduction to Mathematical Economics, McGraw Hill
3. Mehata and Madnani: Mathematics for Economists, Sultan Chand & Sons
4. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi.
5. A.Chiang & K.Wainwright: Fundamental Methods of Mathematical Economics, McGraw Hill.
6. E. Silberberg & Suen: The Structure of Economics, McGraw Hill.
7. Simon & Blume: Mathematics for Economists, Viva Books.
8. Rudin W.: Principles of Mathematical Analysis, McGraw-Hill

Indian Economy-I

Paper No. **DSC-1**

Total Credits: 4

Course Outcomes:

1. Equip with the knowledge about nature of Indian economy.
2. Understand the nexus between population growth and development related issues.
3. Capable to take an overview of Indian economy.
4. Analyse the major problems and challenges before economy.

Unit-I Nature of Indian Economy (15 Periods)

- 1.1 India as an Under developed Economy
- 1.2 India as a Developing Economy
- 1.3 Natural Resources: Land, Water, Forest and Mineral resources
- 1.4 Infrastructure: Electricity, Transport, Communications

Unit-II Population Growth and Economic Development (15 Periods)

- 2.1 Trends in Size and Growth of Population - Sex Composition, Age Composition, Rural –Urban distribution, Migration-Smart City Mission
- 2.2 Causes of Population Growth and Remedies on Control
- 2.3 Population and Economic Development - Latest Population Policy
- 2.4 Human Resource Development: Education and Health – Latest Education Policy, Health Policy

Unit-III Macro-Economic Overview of Indian Economy (15 Periods)

- 3.1 Trends in NNP
- 3.2 Per Capita National Income
- 3.3 Service Led Growth
- 3.4 GDP by Industry Origin

Unit-IV Major Problems of Indian Economy (15 Periods)

- 4.1 Labour Force Growth and Occupational Structure
- 4.2 Employment and Unemployment
- 4.3 Poverty
- 4.4 Income Inequality

References/Reading List

1. Puri V K & Mishra S. K., Indian Economy: Its Development and Experience, Himalaya Publishing House, Mumbai.
2. Dutt and Sundaram , Indian Economy, S Chand & Company Ltd (head Office), Delhi.
3. Byres, t. J. (Ed.) (1998), The Indian Economy: Major Debates Since Independence, Oxford University Press, New Delhi.
4. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
5. Chatopadhyaya, M., P. Matiti and M. Rakshit (Eds.) (1996), Planning and Economic Policy in India – Evaluation and Lessons for the Future, Sage Publications, New Delhi.

6. Chelliah, Raja J. (1996), *Towards Sustainable Growth – Essays in Fiscal and Financial Sector Reforms in India*, Oxford University Press, New Delhi.
7. Chelliah, Raja J. and R. Sudarshan (1999), *Income, Poverty and Beyond: Human*
8. Dandekar, V. M. (1996), *The Indian Economy, 1947-92, Vol. II*, Sage Publications, New Delhi.
9. Dantwala, M. L. (1996), *Dilemmas of Growth: The Indian Experience*, Sage Publications, New Delhi.
10. Datt, R. (Ed.) (2001), *Second Generation Economic Reforms in India*, Deep & Deep Publications, New Delhi.
11. Frederick, H. and A. M. Charles (1970), *Education, Manpower and Economic Growth*, New Delhi.
12. Government of India, *Economic Survey (Annual)*, Ministry of Finance, New Delhi.
13. Government of India, *Planning Commission (1999)*, Reports, New Delhi.
14. Gupta, S. P. (1998), *Post-Reform India: Emerging Trends* allied Publishers, New Delhi.
15. Hanumantha Rao, C. H. and H. Linnemann (Eds.) (1996), *Economic Reforms and Poverty Alleviation in India*, Sage Publications, New Delhi.
16. Haq, M. (1996), *Reflections on Human Development*, Oxford University Press, New Delhi.
17. Jain, A. K. (1986), *Economic Planning in India*, Ashish Publishing House, New Delhi.
18. Jalan, B. (1996), *India's Economic Policy – Preparing for the Twenty First Century*, Viking, New Delhi.
19. Joshi, V. and I. M. D. Little (1999), *India: Macro Economics and Political Economy, 1964-1991*, Oxford University Press, New Delhi.
20. Kabra, K. N. (1997), *Development Planning in India*, Sage Publications, New Delhi.
21. Kumar, A. (1999), *The Black Money in India*, Penguin, Harmondsworth.
22. Lucas, R. E. B. and F. Papanek (Eds.) (1988), *The Indian Economy – Recent Development and Future Prospects*, Oxford University Press, New Delhi.
23. Mookherjee, d. (Ed.) (1997), *Indian Industry: Policies and Performance*, Oxford
24. Narain, D. (1988), *Studies on Indian Agriculture*, Oxford University Press, New Delhi.
25. Nayyar, D. (1976), *India's Exports and Export Policies in the 1960s*, Cambridge University Press, Cambridge.
26. Parikh, K. S. (1999), *India Development Report – 1999-2000*, Oxford University
27. Rangarajan, C. (1998), *Indian Economy: Essays on Money and Finance*, UBS, New Delhi.
28. Reserve Bank of India, *Report on Currency and Finance (Annual)*.
29. Sen, R. K. and B. Chatterjee (2001), *Indian Economy: Agenda for 21st Century (Essays in honour of Prof. P. R. Brahmananda)*, Deep & Deep Publications, New Delhi.
30. Srinivasan, T. N. (Ed.) (2000), *Eight Lectures on India's Economic Reforms*, Oxford University Press, Oxford.
31. Subramanian, S. (Ed.) (1997), *Measurement of Inequality and Poverty*, Oxford University Press, Calcutta.
32. Tilak, J. B. C. (1993), *Costs and financing of Education in India: A Review of Issues, Problems and Prospects (Mimeo)*, National Institute of Educational Planning and Administration, New Delhi.
33. United Nations Development Programme (1997), *Human Development Report*, Oxford University Press, New Delhi.
34. World Bank (2000), *India: Reducing Poverty, Accelerating Economic Development*, Oxford University Press, New Delhi.

Statistics-I
Paper No. **DSC-1**
Total Credits: 4

Course Outcomes:

1. The student will be able to understand basic concepts of Statistics.
2. The student will be able to do sampling and data processing.
3. The student will be able to understand central tendency.
4. The student will be able to understand dispersion.

Unit-I Statistics-Conceptual Framework (15 Periods)

- 1.1 Statistics- Origin, Meaning, and Growth
- 1.2 Statistical Data Methods and applications
- 1.3 Functions and Importance of Statistics
- 1.4 Limitations of Statistics, Methods and Experimentation, Statistics and Computer

Unit-II Sampling and Data Processing (15 Periods)

- 2.1 Types of Data-Primary and Secondary, Methods of Collecting Primary Data, Sources of Secondary Data
- 2.2 Census and Sampling Methods, Methods of Sampling-Non-probability and Probability, Determination of sample size
- 2.3 Classification of data-Types of Classification, Formation of Frequency Distribution
- 2.4 Diagrammatic and Graphic Presentation- Types of Diagram and Graphs.

Unit-III Measures of Central Tendency (15 Periods)

- 3.1 Meaning, Objectives of averaging, Characters of a good average
- 3.2 Mean and Weighted mean: features and formulae
- 3.3 Median and Mode: features and formulae
- 3.4 Geometric Mean, Harmonic Mean: features and formulae

Unit-IV Measures of Dispersion (15 Periods)

- 4.1 Meaning and significance
- 4.2 Objectives of Measuring Dispersion, Properties of a Good Measure of Dispersion
- 4.3 Methods of Studying Dispersion-Range, Inter-quartile range, Quartile Deviation
- 4.4 Methods of Studying Dispersion-Mean Deviation, Standard Deviation

References/Reading List

1. Gupta, S. C.: Fundamentals of Applied Statistics, S. Chand & Sons., New Delhi.
2. Gupta, S.P.: Statistical Methods, Sultan Chand & Sons, New Delhi
3. Elhance, Elhance, and Aggarwal: Fundamentals of Statistics, Kitab Mahal, Allahabad
4. Allen, R. G. D. (1974), Mathematical Analysis for Economists, Macmillan Press and

ELBS, London.

5. Baumol, W. J. (1984), *Economic Theory and Operations Analysis*, Prentice Hall, Englewood Cliffs, New Jersey.
6. Chiang, A. C. (1986), *Fundamental Methods of Mathematical Economics*, McGraw Hill, New York.
7. Croxton, Crowden and Klein (1971), *Applied General Statistics*, Prentice Hall of India, New Delhi.
8. Goon, A. M., M. K. Gupta and B. Dasgupta (1993), *Fundamentals of Statistics, Vol. 1*, The World Press Ltd., Calcutta.
9. Handry, A. T. (1999), *Operations Research*, Prentice Hall of India, New Delhi.

Economic Thoughts
Paper No. **GEC-1/DSE-1**
Total Credits: 4

Course Outcomes:

1. Equip with the knowledge about the evolution of economic history.
2. Understanding the contributions of different economics school to the economic theory.
3. Strengthening the capability of understanding diverse economic thinking.

Unit-I	Pre and Classical Period of Economic Thoughts	(15 Periods)
	<ol style="list-style-type: none">1.1 Evolution of Economic Thoughts: Physiocracy and Mercantilism1.2 Adam Smith: Division of Labour, Theory of Value, Capital Accumulation and Distribution1.3 David Ricardo: theory Value, Rent and Distribution1.4 Karl Marx: Dynamics of Social Changes, Theory of Value and Surplus Value, Profit and Crisis of Capitalism and Contemporary Relevance.	
Unit-II	Marginalist: Marshall to Schumpeter	(15 Periods)
	<ol style="list-style-type: none">2.1 Time and Price Determination, Economic Methods, Ideas on Consumer and Producers' Surplus2.2 Representative Firm, External and Internal Economies and Diseconomies, Rent and Quasi-Rent, Nature of Profit2.3 Pigou: Welfare Economics, Pigou- Marshall and Externality2.4 Schumpeter: Entrepreneur and Innovation	
Unit-III	Keynes and Sraffa	(15 Periods)
	<ol style="list-style-type: none">3.1 Keynesian Underemployment Equilibrium3.2 Liquidity Preference Theory and Liquidity Trap, Consumption Function3.4 Pump Priming, Investment Function, Multiplier & accelerator Principles and Their Interaction, Wage Rigidities3.4 Piero Sraffa: Productivity under Competitive Conditions - Sraffa V/S Keynes	
Unit-IV	Post- Keynesian and Modern Mainstream	(15 Periods)
	<ol style="list-style-type: none">4.1 Orthodox v/s Heterodox Economics4.2 Hayek – Supply side economics: Arthur Laffer, Evans4.3 Monetarism: Milton Friedman, Don Patinkin An overview of the New Classical Economics: Robert Lucas4.4 A. K. Sen (1998), Joseph Stiglitz (2001), Paul Krugman (2008), Jean Tirole (2014), Angus Deaton (2015), Richard Thaler (2017), Banarjee & Duflo (2019)	

References/Reading List

1. Adam Smith (2022) *The Wealth of Nations*, Rupa Publication India Pvt Ltd (Second Impression) New Delhi.
2. Gide, O. and G. Rist (1956) *A History of Economic Doctrine*, George Harrop Co., London,
3. Roll, E, A (1973) *History of Economic Thought*, Faber Landon,
Dasgupta A. K (1985) *Epochs of Economic Theory* Oxford University Press. New Delhi,
4. Schumpeter, J.A (1951) *Ten Great Economist*, Oxford University Press, New York
5. Ghosh and Ghosh: *Concise History of Economic Thought*, Himalaya Publishers.
6. Puttaswamaiah K (1995) *Nobel Economists – Lives and Contributions*, Indus Public Co. New Delhi
7. Ajit Sinha (ed) (2021) *A Reflection on Sraffa's Revolution in Economic Theory*, Springer.
8. Banarjee & Duflo (2019) *Good Economics for Hard Times: Better Answers to Our Biggest Problems* published by PublicAffairs UK

English for Economics: Elementary

Paper No. AECC-I

Total Credits: 4

Course Outcomes:

1. The students will enhance their English Listening, Reading, Writing and Speaking skills specifically related to business and economics needs
2. The students will be able to successfully communicate in English for spoken and written purposes at workplace
3. The students will master the use of English in official context as that of day-to-day office communication, telephonic conversations and writing emails
4. The students will be able to develop their vocabulary related to business and economics
5. The students will brush up and enrich their grammatical competence

Unit-I Listening and Reading Skills (15 Periods)

- 1.1 Talking about workplace (Listening component from Unit 2 'Corporate Culture' from Whitby, Business Benchmark)
- 1.2 Telephoning and voicemail (Listening component from Unit 7 & 9 from Whitby, Business Benchmark)
- 1.3 Reading business articles, news ('FX trading' from Unit 13 'Foreign Exchange', and 'Why Stock Markets Matter for You' from Unit 15 'Stocks and Shares' in English for the Financial Sector by MacKanzie)
- 1.4 Reading business article ('Designing your Website' from Unit 4 'The Internet' from Whitby, Business Benchmark)

Unit-II Speaking Skills (15 Periods)

- 2.1 Short talk on a topic
- 2.2 Telephonic conversations
- 2.3 Group Discussions
- 2.4 Situational Conversations (for example, at the hotel reception, planning a sales event, at the bank to open an account, at the business working lunch, etc.)

Unit-III Writing Skills (15 Periods)

- 3.1 Writing paragraphs with cohesive devices (topic sentence, supporting details, etc)
- 3.2 Paraphrasing, note making, summarising
- 3.3 Email writing and email etiquette (difference between formal and informal language)
- 3.4 Essay writing

Unit-IV Grammar and Vocabulary (15 Periods)

- 4.1 Tenses
- 4.2 Use of articles
- 4.3 Economic and business terms (Key vocabulary from Unit 1 and 7, English for the Financial Sector by MacKanzie)
- 4.4 Common errors related to grammar and vocabulary

Text Books

1. Whitby, Norman. 2006. *Business Benchmark: Pre intermediate to Intermediate*. Cambridge University Press.
2. MacKenzie, Ian. 1997. *English for Financial Sector Students*. Cambridge University Press.

References/Reading List

1. MacKenzie, Ian. 1997. *English for Business Studies: A Course for Business Studies and Economics Students*. Cambridge University Press.
2. Murphy, Raymond. 2008. *Essential English Grammar*. Cambridge University Press
3. Redman, Stuart. 2003. *English Vocabulary in Use*. Cambridge University Press.
4. Redman, Peter and Maples, Wendy . 2011. *Good Essay Writing: A Social Sciences Guide*. SAGE Publication
5. Petchko, Katerina. 2018. *How to Write about Economics and Public Policy*. Academic Press.
6. Lawson, Celeste, Gill, Robert , Feekery, Angela and Witsel, Mieke. 2019. *Communication Skills for Business Professionals*. Cambridge University Press.
7. Michael McCarthy, Jeanne McCarten, David Clark, Rachel Clark. 2009. *Grammar for Business with Audio CD*. Cambridge University Press.

Title of the Paper: - **Democracy, Election and Good Governance**

Paper No. **SEC-1**

Total Credits: 2

Syllabus Link:

<http://www.unishivaji.ac.in/uploads/syllabus/Home/DIT%20Syllabus.pdf>

SHIVAJIUNIVERSITY, KOLHAPUR
DEPARTMENT OF ECONOMICS-AUTONOMOUS
B.Sc.-M.Sc. Economics Integrated (Five Years)
B. Sc. Economics First Year
Semester-II

Paper Code	Paper Title
DSC-II	Micro Economics-II
DSC-II	Macro Economics-I
DSC-II	Econometrics-I
DSC-II	Computer Application in Economics-I
GEC-II/DSE-II	Financial Methods
AECC-II	German Language
SEC-II	Constitution of India and Local self-Government

Micro Economics-II

Paper No. DSC-II

Total Credits: 4

Course Outcome:

- 1 Student will be able to understand different forms of market and price and output determination.
- 2 Student will get trained about the consumer theory.
- 3 Student will get acquainted with various inputs and its market behaviour.
- 4 Student will get clarity about the welfare aspect of economics.

Unit 1 Market Structure (15 Periods)

- 1.1 Meaning and Classification, Market Structure and Profitability,
- 1.2 Perfect Competition; Features, Short and Long Run Price and Output Determination of Firm and Industry
Efficiency of Perfect Competitive Market
- 1.3 Monopoly; Price Discrimination, Price and Output Determination, Degree of Monopoly Power
- 1.4 Monopolistic Competition: Features, Product Differentiation, Short and Long run Price and Output Determination

Unit 2 Consumer Behaviour (15 Periods)

- 2.1 Indifference Curve; Meaning and Properties, Superiority of Ordinal over Cardinal Approach
- 2.2 Marginal Rate of Substitution, Consumer Equilibrium,
- 2.3 Income and Price Consumption Curve, Derivation of Individual Demand Curve from Indifference Curve.
- 2.4 Revealed Preference Theory of Demand

Unit 3 Factor Pricing (15 Periods)

- 3.1 Concept of Factor Productivity; Marginal Revenue Product, Value of Marginal Product
- 3.2 Wage Determination under Perfect Competition, Factor Pricing under Monopsony,
- 3.3 Marginal Productivity Theory of Distribution; Clark and Marshal-Hicks version.
- 3.4 Relative Share of Labour and Capital, Theory of Rent.

Unit 4 General Equilibrium and Welfare Economics (15 Periods)

- 4.1 Partial and General Equilibrium,
General Equilibrium and Economic Efficiency
- 4.2 Welfare Economics; Value Judgement, Individual and Social Welfare
- 4.3 Pareto Optimality, Edgeworth Box Diagram and Contract Curve
- 4.4 Pareto Efficiency and Pareto Competition.

References/Reading List

1. H. L. Ahuja, (2017), Advanced Economic Theory: Micro Economic Analysis, S Chand and Company
2. D. N. Dwivedi, (2008) Microeconomic Theory and Applications, Pearson Education
3. Robert, Daniell and Prem L. (2009), Microeconomics, Pearson Prentice Hall, Noida.
4. Hal R., Varian (2010): Intermediate Microeconomics: A Modern Approach, Springer (India) Pvt. Ltd. India
5. Koutsoyiannis, A. (1979), Modern Microeconomics (2nd Edition), Macmillan Press, London
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi
7. Archibald, G. C. (Ed.) (1971), Theory of the firm, Penguin, Harmondsworth
8. Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi
9. Green, H. A. G. (1971), Consumer Theory, Penguin, Harmondsworth
10. Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.

Macro Economics-I

Paper No. DSC-II

Total Credits: 4

Course Outcomes:

1. Acquire the prior knowledge of macroeconomic variables.
2. Comparative analysis of theoretical development is essential for the proper comprehension of the different issues and policies.
3. Demonstrate the systemic facts and studies for empirical analysis.
4. Understanding the current situation and Government Policies useful to control and manage the economic problems.

Unit-I National Income and Accounts (15 Periods)

- 1.1 Macroeconomic Statics and Dynamics- National Income Accounts: Gross National Product, Gross Domestic Product, National Income at Factor Cost, Personal and disposable income
- 1.2 National Income at Current and Constant Price, Income Deflator
- 1.3 Methods of Accounting of National Income,
- 1.4 Use and Significance of National Income Accounting.

Unit-II Classical and Cambridge Approaches towards Money (15 Periods)

- 2.1 Cash Transaction Approach
- 2.2 Cash Balance Approach
- 2.3 Keynes' Reformation of quantity theory of money
- 2.4 The Saving-Investment Theory of Money

Unit-III Supply of Money (15 Periods)

- 3.1 Constituents of Supply of Money; Approaches towards Supply of Money
- 3.2 Credit creation, Determinants of Money Supply.
- 3.3 Monetary Policy: Objectives and limitations, Conflicting Objectives.
- 3.4 Fiscal Policy: Objectives and Limitations,

Unit-IV Inflation (15 Periods)

- 4.1 Inflation: Meaning and Types,
- 4.2 Causes and Effects of Inflation,
- 4.3 Theories of Inflation: Demand Pull, Cost-Push, Built in Inflation, Measures to Control the Inflation
- 4.4 Phillips curve: Short run and Long run

References/Reading List

1. Bernanke, Ben, and Frederic Mishkin (1997). "Inflation Targeting: A New Framework for Monetary Policy?" *Journal of Economic Perspectives*, vol. 11, pp. 97-116.
2. Mishkin F.S., "Central Banking in a Democratic Society: Implications for Transition Countries," *Zagreb Journal of Economics*, 3 (3) (1999), pp. 51-74,

3. Jagdish Handa (2000). Monetary Economics, Routledge, USA, ISBN 978-0-415-199125-4
4. Jhingam M. L.(2010). Macro-Economic Theory, Vrinda Publication, New Delhi, ISBN - 81 - 87125 - 45 - 4
5. Khurana S. K. (1995). Monetary Targeting, Deep and Deep Publication, ISBN - 817 - 100 - 7864 (1995)
6. Meyer, Laurence (2001). "Inflation Targets and Inflation Targeting," Remarks at the University of San Diego Economics Roundtable, July 17
7. Mishkin F (1999) Money, Banking and Financial Markets, 3rd edition. Harper Collins Publishers.
8. Nermale Ben S (2001). Inflation Targeting : Lessons from International Experiences, Princeton University Press, New Jersey. ISBN -o-691-08689-3 (2001)
9. Report of the Second Working Group (Chairman M. L. Ghosh) on "Money Supply in India: Concepts, Compilation and Analysis", Reserve Bank of India, Bombay, 1977.
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11. Mankiw, N. Gregory (2008). Principles of Macroeconomics, 5 th Edition, Cengage Learning.
12. Nellis, G. Joseph and Parker, D (2004) Principles of Macroeconomics, Financial Times Prentice Hall, Pearson Education.
13. Case, K. E. Fair, R. C. & Oster, S.E(2014). Principles of Macroeconomics, 10th Edition, Pearson Education.
14. Suraj B. Gupta, Monetary Economics: Institutions, Theory & Policy, S. Chand (2010)

Econometrics-I
Paper No. DSC-II
Total Credits: 4

Course Outcomes:

1. The student will be able to Formulate Econometric Model.
2. The student will be able to estimate different Econometric Models.
3. The student will be able to interpret the Econometric Model.
4. The student will be able to Compare the Econometric Models.

Unit-I	Introduction to Econometrics	(15 Periods)
	1.1 Definition, Nature & Scope of Econometrics	
	1.2 Methodology of Econometrics	
	1.3 Types of Econometrics	
	1.4 Role of Computers	
Unit-II	Single Equation Regressions	(15 Periods)
	2.1 Nature of Regression Analysis	
	2.2 Basics of Two Variable Regression Analysis	
	2.3 Estimating Two Variable Regression Model	
	2.4 Problems in estimation	
Unit-III	Hypothesis Testing & Interval Estimation	(15 Periods)
	3.1 One-Tail & Two-tail Tests	
	3.2 t, F and Chi-square Test	
	3.3 Confidence Intervals for Regression Coefficients	
	3.4 Interpretation of Confidence Intervals	
Unit-IV	Extensions of Two Variable Regression	(15 Periods)
	4.1 Regression Through Origin	
	4.2 Regression on Standardized Variables	
	4.3 Functional Forms of Regression Models	
	4.4 Choice of Functional Form	

References/Reading List

1. Damodar Gujarati: Basic Econometrics, McGraw Hill, New York.
2. Badi H Baltagi: Econometrics, Springer, New York.
3. G S Maddala: Introduction to Econometrics, John Williams and Sons, New York.
4. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
5. Dougherty, C. (1992), Introduction to Econometrics, Oxford University press, New York.
6. Goldberger, A. S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.
7. Kennedy, P. (1998), A Guide to Econometrics, MIT press, New York.
8. Kmenta, J. (1997), Elements of Econometrics (Reprint Edition), University of Michigan Press, New York.

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10. Krishna, K. L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
11. Theil, H. (1981), Introduction to Econometrics, Prentice Hall of India, New Delhi.
12. Johnston (1984) Econometrics Methods, MacGraw Hill, New York

Computer Application in Economics-I

Paper No. **DSC-II**

Total Credits: 4

Course Outcomes:

1. Acquire the basic knowledge of Computer and its parts.
2. Illustrate the Computer Tools and the facilities available
3. Make the students aware of the basics of Internet since it has become the significant part of life
4. Make the students more able to handle real data with confidence by applying econometric methods of analysis to new circumstances and to develop the skills of using more scientific tools based on computers for economic analysis.

Unit-I Basics of Computer and Text Processing (15 Periods)

- 1.1 Computer Systems: characteristics of a computer, components of a computer system –CPU, memory, storage devices and I/O devices
- 1.2 Note Pad and Word Pad: Basic Usage - Create and save a document. Edit and format.
- 1.3 Word processor: Create and save a document. Edit and format text: text style (B.I.U.), font type, font size, text colour, alignment of text. Format paragraphs with line and/or paragraph spacing. Add headers and footers, numbering pages, grammar and spell check utilities, subscript and superscript, insert symbols, use print preview, and print a document
- 1.4 Insert pictures, change the page setting, add bullets and numbering, borders and shading, and insert tables – insert/delete rows and columns, merge and split cells. Use auto-format, track changes, use of drawing tools, shapes and mathematical symbols.

Unit-II Office tools: Text Processing and Spread sheet Software (15 Periods)

- 2.1 Presentation tool: understand the concept of slide shows, basic elements of a slide, different types of slide layouts create and save a presentation, and learn about the different views of a slide set – normal view, slide sorter view and hand-outs.
- 2.2 Edit and format a slide: add titles, subtitles, text, background, and watermark, headers and footers, and slide numbers. Insert pictures from files, create animations, add sound effects, and rehearse timings
- 2.3 Spread sheets: concept of a worksheet and a workbook, create and save a worksheet. Working with a spread sheet: enter numbers, text, date/time, series using auto fill.
- 2.4 Edit and format a worksheet including changing the colour, size, font, alignment of text; insert and delete cells, rows and columns. Enter a formula using the operators (+, -, *, /), refer to cells, and print a worksheet. Use simple statistical functions: SUM (), AVERAGE (), MAX (), MIN (), IF () (without compound statements);

Unit-III Internet Basics (15 Periods)

- 3.1 Definition, History and Evolution of the Internet Computer network
- 3.2 WWW, web server, client, website, browser,
- 3.3 ISP, Ways to Connect to Internet
- 3.4 How to host a website on internet

Unit-IV Computer Application in Descriptive Statistics (15 Periods)

- 4.1 Central Tendency: Meaning, concept and objectives
- 4.2 Measures of Central Tendency: Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean
- 4.3 Measures of Dispersion: Range, Quartile Deviation, Mean Deviation
- 4.4 Standard Deviation and Coefficient of Variation

References/Reading List

1. Dhanasekaran. K (2013) Computer applications in Economics, Vrinda Publications Pvt. Ltd.
2. Elhance, D. N. (1962), Fundamentals of Statistics, KitabMahal, Allahabad.
3. Gupta, S. C. (1981), Fundamentals of Statistics, Himalaya Publishing House, Bombay.
4. N. M. Downie and R. W. Heath (1970), Basic Statistical Methods, Harper and Row, New York.
5. Rajaram, V, (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
6. Sanders, D. H. (1988), Computer Today, McGraw Hill, New York.
7. Sinha, P. K. (1992), Computer Fundamentals, BPB Publications, New Delhi.
8. Yamane, Taro (1973), Statistics, An Introductory Analysis, Harper and Row (India) and John Weather hill Inc., Tokyo.

Financial Methods
Paper No. **GEC-II/DSE-II**

Total Credits: 4

- Course Outcomes:
1. To introduce the students to the world of finance
 2. To understand the structure of financial system
 3. To understand basic concepts in finance
 4. To understand the basic techniques used by analysts working in the field of finance
 5. To understand the importance of risk management in finance

Unit-I Introduction to Finance (15 Periods)

- 1.1 Finance and Related Disciplines; Structure of Financial System
- 1.2 Stock vs flow; Monetary Assets vs Financial Assets; Basic Financial statement Analysis
- 1.3 Scope and Objectives of Financial Management; Agency Problems
- 1.4 Role of Financial Mangers

Unit-II Time Value of Money (15 Periods)

- 2.1 Rationale and Techniques
- 2.2 Applications of Simple and Compounding techniques
- 2.3 Applications of Present and Future Value Techniques
- 2.4 Annuity; Nominal vs Real rates

Unit-III Risk and Return: (15 Periods)

- 3.1 Relationship Between Risk and Return; Type of Risks
- 3.2 Risk Diversification- Systemic and Non- Systemic risk
- 3.3 Measuring the Risk- Variance and Standard Deviation
- 3.4 Risk and Return of a Single Asset and Portfolio (only two asset portfolio); Portfolio Selection

Unit-IV Financial Securities (15 Periods)

- 4.1 Bonds and Equities – Salient Features; Types of Securities
- 4.2 Interest Rates and Yields- Current Yield and Coupon Yield; Calculation of Internal Rate of return (IRR)
- 4.3 Duration and its applications
- 4.4 Risk management-Introduction

Text Books

1. Drake P.P and Fabozzi, F.J (2010). The Basics of Finance: An Introduction to Financial Markets, Business Finance, and Portfolio Management (Frank J. Fabozzi Series), John Wiley & Sons.
2. Shim, J.K and Spiegel, J.G. (2009). Financial Management, 3 rd Edition, Schaum's Outlines Graw-Hill Education
3. Pandey, I.M (2018). Financial Management, 11th Edition, Vikas Publishers.

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- Chandra, Prasana: Financial Management; Tata McGraw Hill, New Delhi, 2008.
- Keown, Martin, Petty and Scott (Jr): Financial Management: Principles and Applications; Prentice Hall

German Language
Paper No. AECC-II
Total Credits: 4

Course Outcomes:

1. Regarding Reading skills : The students will understand simple greeting cards, E-Mails, invitations, announcements.
2. Regarding listening skills : The students are in a position to understand short everyday and especially tourist related information.(e.g. at the railway station/airport, hotel booking, in a restaurant, in the market etc.)
3. Regarding speaking skills : The students can reproduce the phonetic and intonation pattern correctly. In the day today situations the students are able to lead a dialog.
4. Regarding writing skills : The students are able to fill in easy forms, write greeting cards, invitations and short personal announcements.
5. The students will acquire the knowledge of **“Basic Language Use”** and will possess basic functional ability to communicate and exchange information in a simple way.

Unit-I	German History, Culture and Alphabets	(15 Periods)
	1.1 A short history, geography and cultural aspects of Germany	
	1.2 Saying hello and greeting people at different times of a day	
	1.3 Alphabets and their pronunciation	
	1.4 The personal pronouns : ich, du, Sie	
Unit-II	Nouns and Verb Conjugation	(15 Periods)
	2.1 Introduction of pronouns	
	2.2 To introduce oneself	
	2.3 Conjugation of verbs which frequently occur	
	2.4 Gender of nouns and its plural forms	
Unit-III	Articles and Vocabulary	(15 Periods)
	3.1 Exchanging information about country of origin and place of residence, professions, telephone number	
	3.2 Introducing the names of days	
	3.3 Introducing the names of months	
	3.4 Definite and indefinite articles	
Unit-IV	Numbers, Watch Timing and General Vocabulary	(15 Periods)
	4.1 Introducing greetings for saying goodbye in formal and informal relations	
	4.2 numbers	
	4.3 Watch timings	
	4.4 German words for hobbies and professions	

References/Reading List

1. Studio d A 1 Publisher: Goyal Publishers and Distributors, Delhi.
2. Netzwerk A 1 Publisher: Klett Publishers Goyal Publishers and Distributors, Delhi.
3. Team Deutsch 1/1 Publisher: Klett Publishers Goyal Publishers and Distributors, Delhi.

Constitution of India and Local Self-Government

Paper No. **SEC-II**

Total Credits: 2