



॥ सा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

स्वामी रामानंद तीर्थ
मराठवाडा विद्यापीठ, नांदेड

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

Fax : (02462) 215572

Academic-1 (BOS) Section

website: srtmun.ac.

Phone: (02462)215542

E-mail: bos@srtmun.ac.

मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय
शैक्षणिक धोरण २०२० नुसार पदव्यूत्तर
द्वितीय वर्षाचे अभ्यासक्रम (Syllabus)
शैक्षणिक वर्ष २०२४-२५ पासून लागू
करण्याबाबत.

प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, या विद्यापीठा अंतर्गत येणा-या सर्व संलग्नित महाविद्यालयामध्ये शैक्षणिक वर्ष २०२४-२५ पासून राष्ट्रीय शैक्षणिक धोरणानुसार पदव्यूत्तर द्वितीय वर्षाचे अभ्यासक्रम लागू करण्याच्या दृष्टीकोनातून मानवविज्ञान विद्याशाखे अंतर्गत येणा-या अभ्यासमंडळांनी तयार केलेल्या पदव्यूत्तर द्वितीय वर्षाच्या अभ्यासक्रमांना मा. विद्यापरिपदेने दिनांक १५ मे २०२४ रोजी संपन्न झालेल्या बैठकीतील विषय क्रमांक १६/५९-२०२४ च्या ठरावान्वये मान्यता प्रदान केली आहे. त्यानुसार मानवविज्ञान विद्याशाखेतील खालील एम. ए. द्वितीय वर्षाचे अभ्यासक्रम (Syllabus) लागू करण्यात येत आहेत.

01	M. A. II year - Marathi (Affiliated College)
02	M. A. II year - English (Affiliated College)
03	M. A. II year - Urdu (Affiliated College)
04	M. A. II year - History (Affiliated College)
05	M. A. II year - Political Science (Affiliated College)
06	M. A. II year - Sociology (Affiliated College)
07	M. A. II year - Sociology (Campus School)
08	M. A. II year - Public Administration (Affiliated College)
09	M. A. II year - Geography (Affiliated College)
10	M. A. II year - Sanskrit (Affiliated College)
11	M. A. II year - Philosophy (Affiliated College)
12	M. A. II year - Human Rights (Campus School)
13	M. A. II year - Economics (Affiliated College)
14	M. A. II year - Economics (Sub Campus)
15	M. A. II year - Economics (Campus School)
16	M. A. II year - Marathi (Campus School)

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,

विष्णुपुरी, नांदेड - ४३१ ६०६.

जा.क्र.:शै-१/एनईपी/पीजीअ/२०२४-२५/१२५

दिनांक २१.०६.२०२४

प्रत : १) मा. आधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.

२) मा. संचालक, परीक्षा व मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.

३) मा. प्राचार्य, सर्व संबधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.

४) मा. संचालक, सर्व संकुले परिसर व उपपरिसर, प्रस्तुत विद्यापीठ

५) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर प्रसिध्द करण्यात यावे.

डॉ. सरिता लोसरवार

सहा.कुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



(Structure and Syllabus of Campus PG Degree Program with Entry and Exit Option)

TWO YEAR MASTER DEGREE PROGRAMME

Major in Applied Economics

Under the Faculty of Humanities

School of Social Sciences, S.R.T.M.U. Nanded

Effective from Academic year 2023-2024

(As per NEP-2020)



SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED
School of Social Sciences
Revised Syllabus as per NEP 2020 for Major in Applied Economics
Effective from Academic year 2023-2024

Forward by the Dean, Faculty of Humanities

From the Desk of Dean

NEP 2020 proposes a new and forward-looking vision for India's Higher Education System through quality universities and colleges. Its key is in the curriculum and its practical implementation.

The curriculum must be exciting, relevant, and regularly updated to align with the latest knowledge requirements and meet specified learning outcomes. High-quality pedagogy is necessary to impart the curricular material to students successfully; pedagogical practices determine the learning experiences provided to students, thus directly influencing learning outcomes. The assessment methods must be scientific, designed to improve learning continuously test the knowledge application.

The university's proper framing and development of syllabi will result in the upbringing and nourishment of multidisciplinary and holistic citizens. Emphasis is on outcome-based learning. Every course has well-defined objectives and outcomes. The assessment guidelines also provide clarity and precision to the vision behind prescribing the particular course content.

NEP foresees more vibrant, socially engaged, cooperative communities and a happier, cohesive, cultured, productive, innovative, progressive, and prosperous nation. The introduction of Research Methodology and ethics will widen the vision and broaden the perspectives of the learners.

Introducing Case Studies and Field Projects has created a unique opportunity for the higher education institute to bridge the gap between the academia, industry and the community NEP believes effective learning requires a comprehensive approach that involves an appropriate curriculum, engaging pedagogy, continuous formative assessment, and adequate student support.

We are sure that the Postgraduate centres of this university and its affiliated colleges will implement the course effectively and successfully, resulting in a healthy and more creative academic ambience.

Prof. P.A. Khadke
Dean, Faculty of Humanities,



From Desk of Chairman, Board of Studies of the Subject Economics

The New Education Policy is being implemented from the academic year 2023-24 in Swami Ramanand Teerth Marathwada University, Nanded. This policy provides a great opportunity to revolutionise the education sector. In this educational policy, many reforms have been made in the educational framework, rules, and administrative system. The policy will make it possible to achieve the goal of sustainable development of the country. The objectives of this policy are to build an efficient and strong educational system, this education strategy gives special attention to the skills of creative thinking, communication skills, cooperation, empathy and self-confidence. This policy lays down fundamental principles for educational systems, and institutions and inculcates Indian values through curriculum and pedagogy. The new policy is expected to create constitutional values as well as a debt band with the country as our country moves towards becoming a global knowledge generation hub. It is necessary to meet the rising aspirations of the youth.

The Education of economics has gained a lot of importance in recent times as the world has become a market due to globalization, privatization & liberalization. There was a need for a new national education policy to replace the traditional education system. In accordance with this policy, the economics curriculum has been changed to ensure quality education, the student's sustainable development, employment opportunities, environment, complementary development, human welfare, economic theory, statistics, mathematical economics, econometrics, financial policy, import, export, savings, investment, employment and creating vocational skills among students and to acquire Indian knowledge along with western economics knowledge. The role of the new national education policy is not only to create job seekers but to create an entrepreneur.

The syllabus prepared for Post graduate students of economics which is based on National Education Policy 2020. This Framework is formulated with a student-centric approach and provides flexibility in terms of choice of disciplines of study, developing academic pathways having creative combinations of disciplines for study with multiple entry and exit points, determining semester-wise academic load and the ease to learn at his/her pace, to the extent possible. I believe strongly that small steps taken in the right direction will definitely help in providing quality education to the stakeholders. I as the chairman board of studies in the economics of Swami Ramanand Teerth Marathwada University Nanded happy to state here that syllabus where finalised in meeting where more than 9 members from different institutes were attended.

Dr. Laxman Hanmantrao Patil

Chairman, Board of Studies of the Economics,

Swami Ramanand Teerth Marathwada University, Nanded



Swami Ramanand Teerth Marathwada University, Nanded
Members of the Board of Studies in the subject of Economics

Under the faculty of Humanities

Sr. No.	Name of the Member	Designation	Address with mail id	Contact No.
1	Dr. Laxman Hanmantrao Patil	Chairman	Shivaji Mahavidhyalya, Udgir lhpatil1971@gmail.com	9421365316
2	Dr. Pramod Pandurang Lonarkar	Member	School of Social Sciences this University pramodlonarkar83@gmail.com	7745083377
3	Dr. Shalinee Uttamrao Kadam	Member	School of Social Sciences this University shalineekadam@gmail.com	8698063223
4	Dr. Vikas Vinayakrao Sukale	Member	Peoples College Nanded vsukale@gmail.com	9423345145
5	Dr. Digambar Dattarao Bhosale	Member	Yeshwant Mahavidyalya, Nanded bhosaledigambar3@gmail.com	7020560852
6	Dr. Chhaya Prabhakar Karkare	Member	K.R.M Mahila Mahavidyalya, Nanded cpkarkare@gmail.com	9923330669
7	Dr. Rajeshwar Vishwanath Kirtankar	Member	Narayanrao Waghmare College, Akhda Balapur Dist Hingoli rvkirtankar@gmail.com	8788823804
8	Dr. Vishal Chandrashekhar Belure	Member	Shankarrao Mahavidhyalya, Ardhapur Dist.Nanded vcbelure@gmail.com	9403477782
9	Dr. Pandurang Ramrao Muthe	Member	Yeshwant Mahavidhyalya Nanded ajaymeco82@gmail.com	9421359542
10	Dr. Balaji Tulshiram Ghute	Member	Dayanand College of Arts, Latur btghute@gmail.com	8329408608
11	Dr. Anil Digambar Wadkar	Member	Kumar Swami Mahavidyalaya Ausa Dist. Latur adwadkar1983@gmail.com	9822411978
12	Dr. Ganesh Gawande	Member	Nirmal Krida and Samaj Prabodhini, ACS College Badnapur, Dist. Jalna	

About the School of Social Sciences:

"We welcome you to the School of Social Sciences' Postgraduate course in Applied Economics as per New Educational Policy of 2020!

The School of Social Sciences was established in 1994 and has been in the forefront of Academic and Field Innovations in the Marathwada Region, State and Country at large. The School of Social Sciences had been consistently upgrading its curriculum to make it more responsive to the social challenges and trends in the country.

The School is well-known for its Teaching, Research, Extension Activities, Instructional programmes as well as innovative field action projects. The School has highly qualified and field grounded faculty. The faculty is constantly engaged in advance research and field work for the development of Students and the region. Several high quality publications and research papers have been produce by the faculty members.

Thus the vision and mission of the School of Social Sciences is to provide an academically conducive environment which will prepare globally competent graduate and post graduate for the professional world.

As we embark on the academic year 2023-24, we are excited to offer this comprehensive program designed to equip students with a deep understanding of economic theories and their practical applications in real-world scenarios.

About the Programme:

The Master of Arts in Applied Economics is a comprehensive Post Graduate Program that equips students with a deep understanding of economic theories and their practical applications in various real-world contexts. The program offers a diverse curriculum covering key areas such as Microeconomics, Macroeconomics, Public Economics, Econometrics, International Economics, Statistics, Finance, Development, Gender, and Law and Economics etc.

Through a blend of rigorous coursework and practical training, students develop analytical skills and a solid foundation in economic principles. The program places a strong emphasis on the applied nature of economics, focusing on how economic theories and methodologies can be effectively employed to address complex economic challenges and inform policy decisions.

The coursework covers microeconomic and macroeconomic theories, providing students with a comprehensive understanding of individual and aggregate economic behavior. Econometrics and statistics courses enable students to apply quantitative methods and empirical analysis to examine economic phenomena and derive meaningful insights from data. Students also delve into specialized areas such as public economics, international economics, finance, development, gender, and law and economics, gaining expertise in these important fields.

The program prepares students to become proficient in conducting economic research, policy analysis, and program evaluation. Graduates of the program are equipped with the skills to analyze economic data, evaluate policy implications, and make informed decisions in various sectors, including government, non-profit organizations, financial institutions, consulting firms, and international organizations.

Overall, the M.A. Applied Economics program provides a well-rounded education in economics with a practical focus, empowering students to apply economic principles and tools to address real-world economic challenges and contribute to evidence-based decision-making.

Objectives of the Programme: In keeping with the reforms in the economic system and the market structure, this Programme provides in depth knowledge in the subject matter of economics. Not only understanding of theories and principles of economics but also to apply the principles and theories of economics in practical situations. This is useful in today's globalised economic environment. Similarly, there is importance for industry-academic interaction. Applied Economics Programme makes much of all students to learn in detail crucial concepts, current national and international events, policy of government, budget, tools and techniques of econometrics for forecasting. Thus, whatever contents are taught by us, on that basis, students are given to an assignment practically in society through field work, mini project, case studies etc. In this regard, some of the subjects having huge demand in job market like banking and finance, foreign trade and international finance, computer application in economic analysis with practical training, statistical, mathematical and econometrical tools, stock market transactions, taxation. This course uses to student for planning and schedule of various works or projects, making efficient use of computers in data analysis and also use of internet to manipulate text and data, review of literature.

Outcome of the Programme: After completing this programme, student will be able to solve economic issue with the help of statistical and mathematical techniques and will be capable to understand economic concept in a simple way. They may join as officer in planning and economic field because the courses which provides deep knowledge about methodology and policy implication. They will be become as consultant for handling data feeding, coding and interpretation of various institutions. The courses of Statistical, mathematical and econometric provide forecasting information about the commodity. In this connection, more opportunities are available of students who are available of content knowledge with application through econometric software. Apart that, revising the content of the course, latest modern teaching aid and techniques like, LCD projectors and ICT enabled active board are used for imparting the knowledge to student. These include innovative methods like small group seminars which would encourage the students to prepare a paper by themselves and communicate their ideas by presenting the same before the audience.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities
Major in Applied Economics

Credit Framework of Two-Year PG Programme

Year & Level 1	Sem. 2	Major Subject		RM 5	OJT / FP 6	Research Project 7	Credits 9	Total Credits 10
		(DSC) 3	(DSE) 4 Elective					
1	1	HECOC511 (4 Cr) Applied Microeconomics –I HECOC512 (4 Cr) Applied Macroeconomics-I HECOC513 (4 Cr) International Trade Theory and Policy	HECOE511 (4 Cr) Analysis of Population Dynamics OR HECOE512 Indian Financial System OR HECOE513 Industrial Economy of India	HECOR 511 (4 Cr) Research Methodology	--	----	20	40
	2	HECOC561 (4 Cr) Applied Micro Economics –II HECOC562 (4 Cr) Applied Macroeconomics-II HECOC563 (4 Cr) International Macroeconomics	HECOE561 (4 Cr) Economics of Migration and Urbanization OR HECOE562 (4 Cr) Capital Market OR HECOE563 (4 Cr) Gender Economics	---	HECOF561 (4 Cr) Field Project / OJT	--	20	
Exit option: PG Diploma (after three year Degree)								

	3	HECOC611 (4 Cr) Public Economics HECOC612 (4 Cr) Basic Econometrics HECOC613 (4 Cr) Statistical Methods	HECOE611 (4 Cr) Development Theory and Measurement HECOE612 (4 Cr) Law and Economics HECOE613 (4 Cr) Indian Economy	--		Research Project (Field Survey) HECOF611 (4 Cr)	20	40
	4	HECOC661 (4 Cr) Indian Public Economics HECOC662 (4 Cr) Advanced Econometrics HECOC663 (2 Cr) Fundamentals of MS-Excel and SPSS	HECOE661 (4 Cr) Economics of Health and Health Care HECOE662 (4 Cr) Agricultural Economics HECOE663 (4 Cr) Economics of Insurance	---		Research Project/ Dissertation HECOR661 (6 Cr)	20	
Total Credits		46	16	04	04	10	80	



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major ó Applied Economics

Post Graduate –Second Year Programme, Semester-III (Level 6)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		Total
			Theory	Practical	Total	Theory	Practical	
Major	HECOC611	Public Economics	04	--	04	04	----	04
	HECOC612	Basic Econometrics	04	---	04	04	----	04
	HECOC613	Statistical Methods	04	--	04	04	---	04
Major -Electives	HECOE611	Development Theory and Measurement	04	--	04	04	---	04
	HECOE612	or Law and Economics						
	HECOE613	or Indian Economy						
Research Project	HECOF611	Research Project (Field Survey)	04	----	04	04	----	04
Total Credits			20	--	20	20	---	20



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major ó Applied Economics

Post Graduate -Second Year Programme, Semester-IV (Level 6)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
Major	HECOC661	Indian Public Economics	04	--	04	04	----	04
	HECOC662	Advanced Econometrics	04	---	04	04	----	04
	HECOC663	Fundamentals of MS-Excel and SPSS		02	02	--	02	02
Major - Electives	HECOE661	Economics of Health and Health Care	04	--	04	04	---	04
	HECOE662	Or Agricultural Economics						
	HECOE663	Or Economics of Insurance						
	HECOR661	Research Project/ Dissertation	--	06	06	--	06	06
Total Credits			20	--	20	12	08	20



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major ó Applied Economics

Post Graduate -Second Year Programme, Semester-III (Level 6)

Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

Subject (1)	Course Code (2)	Course Name (3)	Theory				Total Col. (6+7) / (09)	
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)			Avg of T1+T2+As si./3 (7)
Major	HECOC611	Public Economics	20	20	20	20	80	100
	HECOC612	Basic Econometrics	20	20	20	20	80	100
	HECOC613	Statistical Methods	20	20	20	20	80	100
Major -Electives	HECOE611	Development Theory and Measurement	20	20	20	20	80	100
	HECOE612	or Law and Economics						
	HECOE613	or Indian Economy						
Research Project (Field Survey)	HECOF611	Research Project (Field Survey)	20	20	20	20	80	100



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major ó Applied Economics
Post Graduate -Second Year Programme, Semester-IV (Level 6)
 Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

Subject (1)	Course Code (2)	Course Name (3)	Theory					Total Col. (6+7) / (09)
			Continuous Assessment (CA)			Avg of T1+T2+Assi. /3 (7)	ESE Total (8)	
			Test I (4)	Test II (5)	Assignment (6)			
Major	HECOC661	Indian Public Economics	20	20	20	20	80	100
	HECOC662	Advanced Econometrics	20	20	20	20	80	100
	HECOC663	Fundamentals of MS- Excel and SPSS	Internal Practical of total 30 marks split in 10+10+10 including practical (test) and assignment.			10	40	50
Major - Electives	HECOE661	Economics of Health and Health Care	20	20	20	20	80	100
	HECOE662	Or Agricultural Economics						
	HECOE663	Or Economics of Insurance						
Research Project/ Dissertation	HECOR661	Research Project/ Dissertation	On the basis of steps followed as mentioned in the syllabus (Overall 30 Marks)			30	120	150

Core Course : Major (4 Credits)

1. Continuous Assessment (CA) 20 Marks : (Test 1 for 20 marks+ Test 2 for 20 marks + One home assignment 20: Average of T1 + T2 + Assi = 60/3=20)
2. End of Semester Examination (E.S.E) = 80 Mark



Swami RamanandTeerthMarathwada University, Nanded

***Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III***

Paper Code: HECOC611

Title: Public Economics (DSC)

Curriculum Details: (for 4 Credits)

Course Prerequisites:

- Basic knowledge and difference of microeconomics and macroeconomics
- Familiarity with economic theories and models.
- Fundamental economic problem

Course Objectives:

- 1) To provide students with a comprehensive understanding of basic ideas and concept of public economics.
- 2) To determine the market failure and the role of government in economy.
- 3) To examine the theory of public expenditure, effect of government expenditure and the sources of government funding.
- 4) To understand the basic principle of taxation, effect of taxation and public debt on economy.
- 5) To determine the different functional classification of budget, budget deficit, fiscal policy and its instruments.

Course Outcomes:

After completion of this course the Students will be able to:

- 1) have conceptual clarity on the theories of public goods, public expenditure, public revenue and public borrowing;
- 2) analyze the role of Government when the market is failure.
- 3) assess the theories and effect of public expenditure.
- 4) have an in-depth analysis of the principle of taxation and public debt .
- 5) evaluate different functional classification of budget, budget deficit, fiscal policy and its instruments



Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III*

Paper Code: HECOC611

Title: Public Economics (DSC)

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Introduction of Public Economics	12
	1.1	Nature and Scope of Public Economics	
	1.2	Major fiscal functions of Government	
	1.3	Principle of Maximum Social Advantage	
	1.4	Principle of opportunity cost in public sector	
2.0		Private and Public Sector	12
	2.1	Private Goods ,Public Goods, Merit Goods , Club Goods ,	
	2.2	Nature of demand and supply schedule of private goods and social goods	
	2.3	Market Failure and the role of Government	
	2.4	Externalities : in the form of external cost and external benefit	
3.0		Public Expenditure and Public Revenue.	12
	3.1	General Theories of Public Expenditure: Wagner's Law of Increasing State Activities, Peacock -Wiseman Hypothesis ,Colin Clark Hypothesis	
	3.2	Public Expenditure: Canons, Effect, Classification.	
	3.3	Reasons for Growth in Public Expenditure	
	3.4	Meaning of Public Revenue, Different Sources of Public Revenue.	
4.0		Taxation and Public Debt	12
	4.1	Meaning of Taxation ,Canons of Taxation ,Effect of Taxation	
	4.2	Principle of taxation : principle of equity ,cost service theory , Benefit principle ,The Bowen and Lindahl models ,Ability to pay theory : subjective and objective approach .	

	4.3	Different Types of Taxation ; Impact, Shifting and Incidence of Taxation	
	4.4	Meaning of Public Debt, Classification of public debt, Effect of public debt upon economy, Burden of public debt, public debt management.	
5.1		Budget and Fiscal Policy	12
	5.1	Kinds of Budget , Different concept of budget deficit,	
	5.2	Functional Classification of Budget : Traditional Budget ,Performance Budget , Outcome Budget ,Zero Base Budgeting .	
	5.3	Fiscal policy , Objective of fiscal policy	
	5.4	Instruments of Fiscal policy	
Total			60

Text Books & Reference Books:

1. Richard A. Musgrave (1989), Public Finance in Theory and Practice McGraw Hill Book Company, New York.
2. Dr. Tyagi B.P., Public Finance, Jai Prakash Nath Pub. Meerat (UP).
3. Buchaman J.M. (1970), the Public Finances, Richard D. Irwin, Homewood.
4. Jha H. (1998), Modern Public Economics, Routledge, London.
5. Singh S.K. (1986) Public Finance in Developed and Developing Countries, S.Chand and Company Ltd, New Delhi.
6. R.K. Choudhury, Economics of public sector and public utility, Himalaya publication house, Bombay.
7. Public Finance, R.K. Lekhi, Kalyani Publication, New Delhi
8. Tripathy R.N. Public Finance in Underdeveloped Countries.
9. Alka Gupta, Public Finance & Tax planning, Anmol publication pvt.ltd, New Delhi.
10. Janak Raj Gupta, Public Economics in India: Theory & practices, Atlantic Publishers, New Delhi.
11. Surry M.M. ,Finance Commission of India ,New Century ,2005.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III

Course Code: HECOC612

Title: Basic Econometrics (DSC)

Curriculum Details: (for 4 Credits)

Course Prerequisites:

- Fundamental knowledge of Economic Theories.
- Knowledge of basic Arithmetic and Statistics.

Course Objectives:

- 1) To impart an understanding of the foundations and methodologies of econometrics for critical analysis of economic models and empirical studies.
- 2) To achieve mastery in classical linear regression models, encompassing estimation techniques and interpretation of results.
- 3) To enable students to recognize and mitigate specification errors through effective incorporation of nonlinearities and model selection techniques.
- 4) To address common data issues such as multicollinearity, heteroscedasticity, and autocorrelation using detection methods and remedial measures.
- 5) To foster the development of practical econometric skills through hands-on experience with real-world data sets, facilitating the conduct of empirical analyses and drawing meaningful economic conclusions.

Course Outcomes:

- 1) The students will be equipped with proficiency in estimating and interpreting classical linear regression models to derive meaningful economic insights.
- 2) Students will demonstrate the ability to identify and resolve specification errors by incorporating nonlinearities and employing appropriate model selection methods.
- 3) Upon completion, students will possess the skills to recognize and mitigate data issues like multicollinearity, heteroscedasticity, and autocorrelation through detection and remedial actions.
- 4) Mastery of econometric techniques will enable students to apply them effectively to real-world data, interpret results, and draw meaningful economic conclusions.
- 5) Through hands-on experience with real-world data sets, students will develop practical econometric skills, facilitating the conduct of empirical analyses and the derivation of actionable economic insights.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-III

Course Code: HECOC612

Title: Basic Econometrics (DSC)

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Economic and Econometric Models	12
	1.1	Meaning and brief history, Aims, critiques and Methodology of Econometrics	
	1.2	Concept of Variable, Correlation, Casual Relationship. conditional Expectations. Structure of Econometric Data: Cross Section Time series, Pooled Data, Panel Data	
	1.3	Classical Linear Regression Model Simple and Multiple-Least Square Method, Assumptions, Estimation and Properties of estimators	
	1.4	Testing the statistical significance of unknown parameters and Interpretation of Estimation Results, Concept of R square, Adjusted R square.	
2.0		Incorporating Nonlinearities and Avoidance of Specification Error	12
	2.1	Functional forms involving logarithms: level-level, level-log, log-level and log-log- estimation and interpretation. Models with Quadratics	
	2.2	Types of Specification Error, Consequences of Model Specification Error & Tests of Specification Error.	
	2.3	Error of Measurement, Incorrect Specification of the Stochastic Error Term, Nested non Nested Hypothesis and its testes.	
	2.4	Model Selection: Rational and Criterion	
3.0		The Multicollinearity Problem	12
	3.1	Nature and the Practical Consequences of Multicollinearity	
	3.2	Causes of Multicollinearity	
	3.3	Detection of Multicollinearity- Various methods	

	3.4	Remedial Measures on Multicollinearity Problem	
4.0		The Heteroscedasticity Problem	12
	4.1	Nature and the Consequences of Heteroscedasticity	
	4.2	Causes of Heteroscedasticity	
	4.3	Detection of Heteroscedasticity	
	4.4	Remedial Measures on Heteroscedasticity Problem	
5.1		The Autocorrelation Problem	12
	5.1	Nature and the Consequences of Autocorrelation	
	5.2	Causes of Autocorrelation	
	5.3	Detection of Autocorrelation	
	5.4	Remedial Measures on Autocorrelation Problem	
Total			60

Text Books

- 1) Jeffrey M. Wooldridge (2013), Introductory Econometrics: A Modern Approach, fifth edition, Cengage Learning.
- 2) Jeffrey M. Wooldridge (2010), Econometric Analysis of Cross Section and Panel Data, The MIT Press
- 3) William H. Greene (2002), Econometric Analysis, Fifth Edition, Prentice Hall
- 4) Damodar N. Gujarati (2009) Basic Econometrics, Fifth Edition, McGraw-Hill Irwin.
- 5) Badi H. Baltagi (2008) Econometrics, Fourth Edition, Springer.
- 6) Jack Johnston & John Dinardo (1996) Econometric Methods, Fourth Edition, McGraw-Hill
 - A. Koutsoyiannias (2018), Theory of Econometrics, Second Edition, Palgrave.
- 7) G.S. Maddala (2001), Introduction to Econometrics, Third Edition, Wiley Publication.

Reference Books:

- 1) Fumio Hayashi (2000), Econometrics, Princeton University Press.
- 2) Dilip M. Nachne (2006), Econometrics: Theoretical Foundations and Empirical Perspectives, Oxford University Press.
- 3) Christopher Dougherty (2011), Introduction to Econometrics, fourth edition, Oxford University Press.
- 4) Edward Greenberg (2014), Introduction to Bayesian Econometrics, Second Edition, Cambridge University Press.
- 5) by David A. Peel (Author), John L. Thompson (Author), Ken Holden (Author), (1991), Economic forecasting: an Introduction, Cambridge University Press.
- 6) G.M.K. Madnani (2015), Introduction to Econometrics-Principles and Applications, Oxford & IBH Publishing Co Pvt.Ltd.



Swami RamanandTeerthMarathwada University, Nanded

***Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III***

Paper Code: HECOC613 Title: Statistical Methods (DSC)

Curriculum Details: (for 4 Credits)

Course Prerequisites:

- Basic knowledge and difference of microeconomics and macroeconomics
- Understanding of mathematical concepts and statistical methods
- Familiarity with economic theories and research methodology.

Course Objectives:

- 1) To train the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze economic problems.
- 2) To familiar with the pattern of data by using the descriptive statistics.
- 3) To analyze the relationship between economic variables with interpret them.
- 4) To evaluate the cause and effect in economic variables by generating the regression equation.
- 5) To understand the foundations for classical inference involving confidence intervals and different hypothesis testing.
- 6) To study the basic concepts of probability and distribution.

Course Outcomes:

After completion of this course the Students will be able to:

- 1) illustrate the different techniques of statistical analysis, which are commonly applied to understand and analyze economic problems.
- 2) understand the pattern of their data by calculating the descriptive statistics methods .
- 3) express relationship between economic variables mathematically, analyze, optimize and interpret them.
- 4) develop the regression equation which express the cause and effect in economic variables.
- 5) analyze the significance differences in data by using different statistical hypothesis testing .
- 6) have fair idea about probability theory and theoretical distributions which forms the foundation of inferential statistic.



Swami RamanandTeerthMarathwada University, Nanded

*Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III*

Paper Code: HECOC613

Title: Statistical Methods (DSC)

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Measures Of Central Tendency and Dispersion	12
	1.1	Measures of central tendency: Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean.	
	1.2	Different Measures of Dispersion: Range ,Quartile Deviation , Mean Deviation ,Standard deviation , Lorenz Curve.	
	1.3	Coefficient of Variation	
	1.4	Skewness, moment and kurtosis	
2.0		Correlation Analysis	12
	2.1	Meaning and Types of Correlation	
	2.2	Karl Pearson's Coefficient of Correlation and Rank Correlation Coefficient	
	2.3	Partial Correlation Analysis	
	2.4	Multiple Correlation Analysis	
3.0		Regression Analysis	12
	3.1	Difference Between Correlation and Regression Analysis	
	3.2	Regression Lines	
	3.3	Simple Regression Equation	
	3.4	Partial and Multiple Regression Equation	
4.0		Concept of Sampling and Hypothesis Tests	12
	4.1	Types of sampling and Sampling Distribution	
	4.2	Formulation of statistical hypothesis óNull hypothesis and alternative hypothesis ,level of significance óType I and II error	
	4.3	Hypothesis Testing: t test, Z test, Chi-square test.	
	4.4	Analysis of Variance : F test, ANOVA	
5.1		Probability and Distributions:	12
	5.1	Classical and empirical definition of probability	
	5.2	Law of addition and multiplication	
	5.3	Properties of Normal Distribution	
	5.4	Properties of Binominal Distribution	

Total	60
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Text Books & Reference Books:

- 1) Chou, Ya-Lun, Statistical Analysis, Rinehart & Winston, New York.
- 2) Croxton & Cowden, Applied general Statistics, Prentice-Hall, London and India.
- 3) Demming, W. Edward, Theory of Sampling ? John Willey & Sons, New York
- 4) Elhance, D. N. Fundamentals of Statistics, kitab mahal, Allahabad, 1967
- 5) Feller, W., An Introduction to Probability theory and its applications, John Wiley
- 6) Gupta, S.C. An Introduction to Statistic, Sultan Chand & co., New Delhi.
- 7) Gupta, S. P. fundamental of Statistic, H.P.H., Bombay, 1992.
- 8) Mounsey , J., Introduction to statistical calculations, English Universities Press, London.
- 9) Parzen, E ., Modern Probability Theory and its applications, John Willey.



Swami RamanandTeerthMarathwada University, Nanded

***Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III***

Paper Code: HECO611 Title: Economic Growth and Development (DSE)

Curriculum Details: (for 4 Credits)

Course Objectives:

- 1) To study the concept of growth and development
- 2) To understand various indices for measurement of development
- 3) To know the theories of Economic growth and development
- 4) To study the concept of sustainable livelihood framework

Course Outcomes:

- 1) Student will be able to learn theories of growth and development
- 2) Student can measure any indices of development
- 3) Student can make village profile and sustainable development framework



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III

Paper Code: HECO611 Title: Economic Growth and Development (DSE)

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0	1.	Module I: Concepts and Measurements of Economic Growth and Development	12
	1.1	Concepts of growth and development-Indicators of Economic Development: National Income, Per capita Income, PQLI, Human Development Index,	
	1.2	Deprivation Index: Multidimensional Poverty Index	
	1.3	Gender Development Index, Human Poverty Index.	
	1.4	Measures of Inequality: Kuznets Inverted U hypothesis, Lorenz Curve and Gini coefficient, Atkinson, Theil, Palma ratio.	
2.0	2.	Module II: Theories of Economic Growth	12
	2.1	Harrod-Domar Growth Model- Contributions of Kaldor-	
	2.2	Mirrlees and Joan Robbinson, Hirofumi Uzawa model	
	2.3	Solow's Growth Model and the Convergence Hypothesis, Endogenous Growth Theory and the role of Human Capital	
	2.4	Indian Plan Models of Mahalanobis and Wage-goods model.	
3.0	3.	Module III Rural Development	12
	3.1	Agriculture and Banking Sector: Organic Farming and Financial Literacy	
	3.2	Entrepreneurship and Government Programs	
	3.3	Health and water management	
	3.4	Concept of Smart Villages	
4.0	4.	Module IV Sustainable Livelihood Framework	

	4.1	Human Capital	
	4.2	Social Capital	
	4.3	Natural Capital	
	4.4	Physical Capital and Financial Capital	
5.1	5.	Fieldwork and Measurement	12
	5.1	Indices measurement	
	5.2	Preparation of Village Profile	
	5.3	Group discussion	
	5.4	Practical Work	
Total			60

Text Books

- 1) Misra, S. K. and Puri, Growth and Development, Mumbai : Himalaya Publishers, 2005.
- 2) Ruddar Datt and K.P. M. Sundharam, Indian Economy, S. Chand and Company Ltd, 2004
- 3) Mukherjee, Growth and Development, Jaypee Brothers Medical Publishers, Jan 2008, India.
- 4) Uma Kapila, Indian Economy: Performance and Policies, Academic Foundation Publisher, 2023, India
- 5) Jeremy Van Antwerp and Matthew Kuperus Heun, A Framework for Sustainability Thinking, Springer International Publishing AG, 2022, India.
- 6) H L Ahuja Development Economics , S. Chand Publication, New Delhi.

Reference Books:

1. Todaro, Michael P. and Stephen C. Smith, Economic Development, 8e. Delhi : Pearson Education, 2003.
2. Thirlwall, A.P. Growth and Development 8e. New York :Palgrave MacMillan, 2005.
3. Meier, Gerald M. and James E. Rauch, Leading issues in Economic Development, 8e. New Delhi : Oxford University Press.
4. Thirwal, A.P., Growth and Development, Macmillan, London, 1999.
5. Meier, G, Leading Issues in Economic Development, Oxford University Press, New Delhi, 1990.
6. Higgins, B., Economic Development, W.W. Norton, New York, 1959. Todaro, M.P., Economic Development, Longman, London, 1996.
7. Mishra, S.K and V.K Puri (2012). Economics of Development and Planning. Mumbai: Himalaya Publishing House.
8. Thirwall, A.P, (2011) economics of development Palgrave Macmillan, ninth edition.
9. Barone, C.A., Marxist Thought on Imperialism: Survey And Critique ,Oxford University Press, New Delhi.
10. A. P. Thirlwall (4 February 2006): Growth and Development: With Special Reference to Developing Economies, Palgrave MacMillan
11. Yujiro Hayami (3 February 2005), Development Economics: From the Poverty to the Wealth of Nations OUP Oxford publication, United Kingdom.



Swami Ramanand Teerth Marathwada University, Nanded

***Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III***

Paper Code: HECO612

Title: Law and Economics (DSE)

Curriculum Details: (for 4 Credits)

Objectives:

- 1) To know the relationship between law and economics
- 2) To figure out the commercial laws in India
- 3) To study constitutional and human rights law in India

Outcomes:

- 1) Student will get applied knowledge of law related to economics
- 2) Student will analyse legal problems of society
- 3) Student will analyse policy related issue of government



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*Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-III*

Paper Code: HECO612 Title: Law and Economics (DSE)
Curriculum Details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0	1.	Introduction to Law and Economics	12
	1.1	Indian Judicial System	
	1.2	The Consumer Protection Act, 1986 and its amendment	
	1.3	Legal and Regulatory Aspect of Banking	
	1.4	The Sale of Goods Act, 1930 and its amendment	
2.0	2.	Commercial Laws in India	12
	2.1	Indian Contract Act, 1872 and its amendment	
	2.2	Indian Partnership Act, 1932 and its amendment	
	2.3	The Company Act, 1956 and its amendment	
	2.4	Foreign Exchange Management Act, 1999	
3.0	3.	Law related Economics-I	12
	3.1	The Trade Unions Act, 1926	
	3.2	The Payment of Wages Act, 1936	
	3.3	Economic Offences, 1974	
	3.4	Corruption Act, 1988	
4.0	4.	Law related Economics-II	12
	4.1	Transfer of Property Act, 1882	
	4.2	The Prevention of Money Laundering Act, 2002	
	4.3	The Micro, Small and Medium Enterprises Development Act 2006	
	4.4	Taxation Law	
5.1	5.	Crucial Laws	12
	5.1	Constitutional Law	

	5.2	Administrative Law	
	5.3	Human Rights Law	
	5.4	Intellectual Property Law	
Total			60

Text books :

- 1) Satish Jain, Law and Economics in India, Oxford University Press 2010, India.
- 2) Dr. N.V. Paranjape, Studies in Jurisprudence and Legal Theory, Central Law Agency Publisher 2019, India.
- 3) Taxmann, Consumer Protection Law and Practice, Taxman Publication Private Limited 2024, India.
- 4) R.K. Bangia, Banking Law and Negotiable Instruments, Allahabad Law Agency Publisher 2015, India.
- 5) Dr. L.M. Singhvi, Evolution of Indian Judiciary: Examining the Development of India's Legal System, Prabhat Prakashan 2021, India.
- 6) Bhagyashree A. Deshpande, Indian Constitutional Law (the new challenges), Central Law Publication 2020, India.

Reference books :

1. Indian Contract Act, 1872 .
2. Sale of goods Act 1930 .
3. Indian Partnership Act, 1932
4. Consumer Protection Act, 1986.
5. Limited liability of Partnership Act, 2008
6. Indian Partnership (Tamil Nadu Amendment Act No.21 of 1959).
7. Competition Act, 2002
8. Constitution of India, 1950
9. The Transfer of Property Act, 1882.
10. The Indian Easement Act, 1882.
11. Benami Transactions Prohibition Act 1988.
12. The Companies Act, 2013.
13. Information Technology Act, 2002.
14. Securities Exchange Board of India Act 1992.
15. Industrial Disputes Act, 1947.
16. Trade Union Act, 1926
17. Industrial Employment (Standing Orders) Act, 1946
18. Minimum Wages Act, 1948
19. Payment of Wages Act, 1936.
20. Equal Remuneration Act, 1976
21. Consumer Protection judgments Act, 1986

22. The Banking Regulation Act, 1949
23. The Reserve Bank of India Act, 1934
24. The State Bank of India Act, 1955- The State Bank of India (Subsidiary Banks) Act, 1959
25. Negotiable Instruments Act, 1881
26. Bill of Exchange Act, 1882
27. The Cheques Act, 1957
28. Limitation Act, 1963
29. Information Technology Act, 2002
30. The Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002
31. Indian Copyright Act, 1957 as amended in 1999.
32. Indian Patents Act, 1970 as amended in 1999.
33. Trade and Merchandise Marks Act, 1958.



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Faculty of Humanities Major Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-III

Course Code: HECO613

Title: Indian Economy: (DSE)

Curriculum details for 4 Credits

Course Objectives:

- 1) To analyze the dynamics of population growth, composition, and distribution in the Indian economy.
- 2) To evaluate the national income, growth patterns, and sectoral composition within the Indian economic context.
- 3) To assess poverty status, development indicators, and rural-urban disparities in education, health, and social justice.
- 4) To understand the macroeconomic objectives of the Indian economy and its planning mechanisms.
- 5) To examine the agricultural, industrial, and service sectors, including their contributions to income, employment, and policy frameworks.

Course Outcomes:

- 1) Students will demonstrate a thorough understanding of population dynamics and their significance in influencing economic development.
- 2) They will apply theoretical frameworks to scrutinize trends in national income and the contributions of different sectors.
- 3) Students will comprehend and assess efforts to alleviate poverty and development indicators, enabling them to measure societal advancement.
- 4) They will critically evaluate agricultural policies, technologies, and market dynamics, which have implications for food security and production.
- 5) Students will analyze industrial and service sector policies, encompassing privatization, trade strategies, and labor concerns, within the context of the Indian economy.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-III

Course Code: HECO613

Title: Indian Economy: (DSE)

Curriculum details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Features of Indian Economy	12
	1.1	Population growth, composition and Distribution.	
	1.2	National Income, growth and Sectoral composition	
	1.3	Status of poverty, development indicators (education, health and social justice) and indexes, various rural-urban differences	
	1.4	Macroeconomic Objectives of the economy and planning mechanism	
2.0		Agriculture Sector in India	12
	2.1	Land Reforms, Green Revolution, New agricultural technologies and irrigation.	
	2.2	Cropping Pattern, production, productivity, food security and storage.	
	2.3	Agricultural Credit and Price mechanism in India.	
	2.4	Agricultural marketing and Export-Import related issues, challenges and agricultural policies.	
3.0		Industrial and Service Sector	12
	3.1	Share of industry in income and employment. Public sector industries and private sector industries (from medium to large scale)	
	3.2	New economic and Industrial Policy: Privatization, disinvestment, FDI and MNCS,	
	3.3	Industrial Labour issues and policy. India's foreign trade, trade policy and export initiatives.	
	3.4	Status of Services sector development in India	
4.0		Indian financial System and Fiscal and Monetary Policy	12
	4.1	Overview of Indian financial system: Bank and Non Bank	

		financial Institutions, issues and financial sector reforms.	
	4.2	Taxation and Center-State Financial Relations and fiscal sector reforms.	
	4.3	Fiscal and Monetary policy Co-ordination.	
	4.4	Major highlights of Indian Budget	
5.1		Overview of External Sector	
	5.1	External Sector reform, India's Balance of Payment Situation	12
	5.2	Status of Tariff structure, FDI and Exchange Rate.	
	5.3	External Debt and liabilities	
	5.4	India and international institutions (IMF, WB and WTO)	
Total			60

Text Books

1. Ruddardutt & K.P.M. Sundaram, 2006. Indian Economy. S.Chand & Co. New Delhi.
2. Surry, M. M. 2004. Indian Economy in 21st Century. Indian Tax Foundation
3. Kapila, Uma. 2004. Indian Economy since Independence. Academic Foundation, New Delhi.
4. Agarwal A.N. 1999. Indian Economy. Wiley Eastern Ltd., New Delhi
5. Jalan , B. 2002. The Indian Economy- Problems and Prospects. Viking, New Delhi
6. Sen R.K. and B. Chatterjee, 2002. Indian Economy; Agenda for 21st Century (Essays in Honour of Professor P. R. Brahmanda). , Deep & Deep Publications, New Delhi.
7. Dhingra, C. 2001. Indian Economy Resource Planning Development and Problems. Sultan Chand & Sons, New Delhi.
8. Misra S. K. and Puri V. K. 1999. Indian Economy. Himalayan Publishing House.
9. Parikh, K. S. India Development Report. Oxford University Press, New Delhi.

References:

1. Bardhan, P. 1984. Land, Labour and Rural Poverty. Oxford University Press, New Delhi.
2. Chakarvarty, S. 1987. Development Planning: the Indian experience. Oxford University Press, New Delhi.
3. Ahluwalia, I. J. and I. M. D Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press,
4. Appu, P. S. (1996), Land Reforms in India, Vikas, New Delhi.
5. Bardhan, P. K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
6. Basu, K. et. al. (1995), Capital Investment and Development: Essays in memory of

Sukhamoy Chakravarty, Oxford University Press, New Delhi.

7. Bawa, R. s. and P. S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.

Sources for other readings

- Economic History of India: 1857-1947 ó Tirthankar Roy
- Indian Economy Since Independence by Uma Kapila
- The New Oxford Companion to Economics in India by Kaushik Basu
- Current Affairs from Newspaper editorials such as The Hindu, The Indian Express, Business Standard etc.
- Economic Survey: Current & previous year.



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Faculty of Humanities Major Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-III

Course Code: HECOF611

Title: Field Survey/Research Project

Curriculum details for 4 Credits

This course provides students with hands-on experience in conducting field surveys for economic research purposes. Through a combination of theoretical instruction and practical fieldwork, students will learn to design, implement, and analyze data from field surveys tailored for economic analysis. Emphasis will be placed on understanding the principles of survey design, sampling methods, data collection techniques, and ethical considerations specific to economic research.

Course Objectives:

- 1) Understand the role of field surveys in economic research and policymaking.
- 2) Develop proficiency in designing field surveys tailored for economic analysis.
- 3) Gain practical skills in sampling methods and data collection techniques relevant to economic research.
- 4) Learn to analyze and interpret field survey data for economic insights.
- 5) Explore the ethical considerations and challenges specific to field surveys in economics.
- 6) Enhance critical thinking and problem-solving abilities through hands-on fieldwork and data analysis.
- 7) Develop effective communication skills for presenting and disseminating economic research findings.

Course Outcomes:

By the end of the course, students should be able to:

- 1) Explain the importance of field surveys in economic research and policymaking, citing examples from various economic domains.
- 2) Design and implement a field survey project for economic analysis, including formulating research questions, selecting appropriate methodologies, and developing survey instruments.
- 3) Apply sampling techniques to ensure the representativeness and reliability of survey data in economic research contexts.

- 4) Analyze field survey data using statistical methods and econometric techniques to derive meaningful insights and draw conclusions.
- 5) Identify and address ethical considerations inherent in economic field surveys, ensuring data integrity and respondent confidentiality.
- 6) Demonstrate proficiency in presenting economic research findings through written reports, presentations, and data visualization tools.
- 7) Collaborate effectively in teams during field excursions and data analysis exercises, fostering teamwork and leadership skills.

Curriculum Outline:

In this course of field survey students will have following counselling cum guidance sessions and exercises.

Session-1. Introduction to Field Surveys in Economics and ethical considerations.

- Overview of the role of field surveys in economic research and policymaking.
- Examples of economic studies and policy evaluations using field survey data.
- Ethical guidelines and best practices for economic research.
- Informed consent, privacy, and confidentiality in economic survey data collection.
- Addressing potential biases and ensuring data integrity in economic field surveys.

Exercise: Topic selection for field survey

Session-2. Survey Design for Economic Research

- Principles of survey design: formulating research questions, defining target populations, and selecting appropriate methodologies.
- Developing survey instruments for economic analysis: questionnaires, interviews, and observational methods.

Exercise: Deciding objectives, target group

Session-3. Sampling Methods in Economic Field Surveys

- Probability and non-probability sampling techniques in economic research.
- Sample size determination and sampling frame construction.
- Practical considerations in selecting sampling methods for different economic research contexts.

Exercise: Deciding sample size and sampling techniques

Session-4. Data Collection Techniques for Economic Surveys

- Conducting face-to-face interviews, telephone surveys, and online surveys.
- Training interviewers and ensuring data quality control.

- Fieldwork logistics and management: scheduling, supervision, and fieldwork administration.

**Exercise: Using instruments of data collection (interview schedule/questionnaire etc.)
i.e. hands-on exercises in data collection, sampling, and survey administration**

Session-5. Data Analysis and Interpretation in Economic Field Surveys

- Descriptive statistics and inferential analysis of economic survey data.
- Introduction to econometric methods for analyzing survey data: regression analysis, panel data techniques, and impact evaluation methods.
- Interpreting survey findings and drawing economic insights.

Exercise: Data Analysis on selected topic and Interpretation in writing.

Exercise: Final Presentation/Viva-voce

- Students have to present the analysis and interpretation
- Students have to answer questions asked by external experts.

There will be 80 marks for above exercises in the form of writing an analysis in report and 20 marks for last final presentation cum viva-voce.

Text Book and reference books:

- S.P.Gupta ,Statistical Methods ,Sultan Chand and Sons ,New Delhi.
- S.C.Gupta and V.K.Kapoor ,Fundamentals of Applied Statistics ,Sultan Chand and Sons ,New Delhi.
- C.R. Kothari and Gourav Garg ,Research Methodology : Methods and Techniques, New Age International publication .
- Creswell J., Research Design: Qualitative and Quantitative Approaches ,Sage Publication ,1994.



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code: HECOC661

Title: Indian Public Economics (DSC)

Curriculum details for 4 Credits

Course Prerequisites:

- Basic knowledge and difference of microeconomics and macroeconomics
- Familiarity with economic theories and models.
- Fundamental economic problem

Course Objectives:

- 1) To understand the nature, structure and functioning of the public economics, especially with reference to India
- 2) To familiar with the tax structure and different taxes of the Indian Government.
- 3) To analyze the growth and trends of public expenditure of Indian Government.
- 4) To examine fiscal federalism, fiscal policy and its implication in Indian Economy.
- 5) To understand the budget and the debt issues in India.

Course Outcomes:

After completion of this course the Students will be able to:

- 1) Have conceptual clarity on the structure of public economics in India.
- 2) Understand the tax structure under the constitution of India.
- 3) Analyze the trends and growth of Public Expenditure in India.
- 4) Evaluate the fiscal federalism, fiscal policy and centre óstate relation.
- 5) Assess the Indian budget and the debt issues in India.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code: HECOC661

Title: Indian Public Economics (DSC)

Curriculum details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		The Indian Tax System	12
	1.1	Economic Classification of public revenue in India ; Indian tax system ósalient characteristics	
	1.2	Taxes of the Central Government in India- Income tax, corporate tax, wealth tax, custom duties, excise duty and other.	
	1.3	Taxes of the State Government in India- agriculture income tax, sales tax ,land revenue , state excise , motor vehicle tax ,stamps & registration, land revenues , VAT, etc.	
	1.4	GST, Taxes of the Local Government in India.	
2.0		Public Expenditure in India:	12
	2.1	Classification of Public Expenditure in India	
	2.2	Growth and trends of Public Expenditure in India	
	2.3	Developmental and Non-Developmental Expenditure in India	
	2.4	Reasons behind continues growth of public expenditure in India.	
3.0		Fiscal federalism in India:	12
	3.1	Meaning of fiscal federalism ,Nature of Indian federalism	
	3.2	The tax structure under the constitution of India	
	3.3	Transfer of financial resources from union to state in India ,Finance Commission in India	
	3.4	Centre óState financial relation in India .	
4.0		Public Debt in India	12
	4.1	Historical development of public debt in India ó Before and Since Independence	

	4.2	Trends of Public debt in India	
	4.3	Internal Public debt in India and its Components	
	4.4	External Public debt in India and its Components	
5.1		Budget in India	12
	5.1	Structure of Budget in India	
	5.2	Presentation of Budget in India ,	
	5.3	Current Budget of the union government in India	
	5.4	Fiscal crises and fiscal reforms in India	
Total			60

Text Books & Reference Books:

1. Richard A. Musgrave (1989), Public Finance in Theory and Practice McGraw Hill Book Company, New York.
2. Dr.Tyagi B.P., Public Finance, Jai Prakash Nath Pub.Meerat (UP).
3. Buchaman J.M. (1970), the Public Finances, Richard D.Irwin, Homewood.
4. Jha H. (1998), Modern Public Economics, Routledge, London.
5. Singh S.K. (1986) Public Finance in Developed and Developing Countries, S.Chand and Company Ltd, New Delhi.
6. R.K. Choudhury, Economics of public sector and public utility, Himalaya publication house, Bombay.
7. Public Finance, R.K. Lekhi, Kalyani Publication, New Delhi
8. Tripathy R.N. Public Finance in Underdeveloped Countries.
9. Alka Gupta, Public Finance & Tax planning, Anmol publication pvt.ltd, New Delhi.
10. Janak Raj Gupta, Public Economics in India: Theory & practices, Atlantic Publishers, New Delhi.
11. Surry M.M. ,Finance Commission of India ,New Century ,2005.



Swami RamanandTeerthMarathwada University, Nanded

*Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-IV*

Course Code: HECOC662

Title: Advanced Econometrics (DSC)

Curriculum Details for 4 Credits

Course Prerequisites:

- Fundamental knowledge of Economic Theories.
- Knowledge of basic Arithmetic and Statistics.
- Adequate Understanding on Basic Econometrics

Objectives:

- 1) To understand econometric models incorporating binary information, including single and multiple dummy variables.
- 2) To learn econometric techniques for panel data analysis, such as pooled OLS, fixed effects, and random effects models.
- 3) To comprehend dynamic econometric models, including distributed lag models and methods of estimation.
- 4) To explore simultaneous equation models for analyzing interdependencies among economic variables.
- 5) To develop skills in time series analysis, including stationarity tests and modeling techniques.

Outcomes:

- 1) Students will be able to analyze qualitative data effectively using binary information models.
- 2) Upon completion, students will possess the capability to extract insights from panel data using various econometric techniques.
- 3) Mastery of dynamic econometric models will enable students to understand causal relationships in time-series data.
- 4) Understanding simultaneous equation models will equip students to analyze complex economic systems effectively.
- 5) Proficiency in time series analysis techniques will empower students to forecast economic variables accurately.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code: HECOC662 Title: Advanced Econometrics (DSC)
Curriculum Details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Econometric Models with Binary Information	12
	1.1	Describing Qualitative Information	
	1.2	Single Dummy Independent Variable and Dummy Variable with multiple categories	
	1.3	Dummy for structural stability, interaction effect, seasonal analysis, piece wise linear regression	
	1.4	Qualitative Response Regression Models: LPM, Binary logistic Regression & Multinomial Logistic Regression	
2.0		Econometric Models for Panel Data	12
	2.1	Panel data: Meaning, Types and Advantages	
	2.2	Pooled OLS Regression or Constant Coefficients Model	
	2.3	The fixed effects least squares dummy variable (LSDV) model & The fixed effects within-group model.	
	2.4	The random effects model (REM).	
3.0		The Dynamic Econometric Models	12
	3.1	Role and the Reasons of Lag in Economics	
	3.2	The Distributed Lag Model and its Estimation (Ad hoc Estimation), Koyck approach, its rationalization	
	3.3	The Method of Instrumental Variable and The Polynomial Distributed Lag Model	
	3.4	Causality in Economics	
4.0		The Simultaneous Equation Models	12
	4.1	The problem of and the rules for Identification	
	4.2	Nature of Simultaneous Equation Models.	

	4.3	Simultaneity problem and the testes of simultaneity, and test for erogeneity.	
	4.4	Simultaneous Equation: Approaches to Estimation	
5.1		Time Series Analysis	
	5.1	Univariate Analysis- Time series following stationary stochastic process, Concept of Spurious regression.	12
	5.2	Tests of stationarity & Transforming Nonstationary Time Series	
	5.3	Co-integration, Tests of Co Integration & Error Correction Mechanism.	
	5.4	AR, MA and ARIMA Modeling of Time Series Data.	
Total			60

Text Books

- 1) Jeffrey M. Wooldridge (2013), Introductory Econometrics: A Modern Approach, fifth edition, Cengage Learning.
- 2) Jeffrey M. Wooldridge (2010), Econometric Analysis of Cross Section and Panel Data, The MIT Press
- 3) William H. Greene (2002), Econometric Analysis, Fifth Edition, Prentice Hall
- 4) Damodar N. Gujarati (2009) Basic Econometrics, Fifth Edition, McGraw-Hill Irwin.
- 5) Badi H. Baltagi (2008) Econometrics, Fourth Edition, Springer.
- 6) Jack Johnston & John Dinardo (1996) Econometric Methods, Fourth Edition, McGraw-Hill
- 7) Koutsoyiannias A. (2018), Theory of Econometrics, Second Edition, Palgrave.
- 8) G.S. Maddala (2001), Introduction to Econometrics, Third Edition, Wiley Publication.

Reference Books:

- 1) Sankar Kumar Bhaumik (2015), Principles of Econometrics: A Modern Approach Using EViews, Oxford University Press.
- 2) Fumio Hayashi (2000), Econometrics, Princeton University Press.
- 3) Dilip M. Nachne (2006), Econometrics: Theoretical Foundations and Empirical Perspectives, Oxford University Press.
- 4) Manuel Arellano (2003) Panel Data Econometrics-Advanced Texts in Econometrics, OUP Oxford.
- 5) A.H. Studenmund (2019), A Practical guide to Using Econometrics, Pearson.
- 6) Neeraj R. Hatekar (2010), Principles of Econometrics-An Introduction (Using R), Sage Publication.
- 7) Christopher Dougherty (2011), Introduction to Econometrics, fourth edition, Oxford University Press.
- 8) Edward Greenberg (2014), Introduction to Bayesian Econometrics, Second Edition, Cambridge University Press.
- 9) G.M.K. Madnani (2015), Introduction to Econometrics-Principles and Applications, Oxford & IBH Publishing Co Pvt.Ltd.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-IV
Course Code:HECOC663 Title: Fundamentals of MS-Excel and SPSS (DSC)
Curriculum details for 2 Credits (Practical)

Course Objectives:

- 1) To introduce students to the fundamental concepts and features of MS-Excel, enabling them to navigate the interface and perform basic data entry and formatting tasks effectively.
- 2) To familiarize students with advanced functions and formulas in MS-Excel, empowering them to analyze and manipulate data efficiently for decision-making purposes.
- 3) To provide students with practical skills in data visualization and analysis using MS-Excel, including the creation of charts, graphs, and pivot tables to interpret and present data effectively.
- 4) To equip students with the knowledge and techniques required to use SPSS for descriptive and inferential statistical analysis, enabling them to explore and interpret data sets accurately.
- 5) To develop students' ability to generate reports and presentations based on MS-Excel and SPSS analyses, enabling them to communicate findings and insights clearly and professionally.

Course Outcomes:

- 1) Upon completion of the course, learners will demonstrate proficiency in navigating the MS-Excel interface and performing basic data entry and formatting tasks.
- 2) By the end of the course, participants will be capable to analyze and manipulate data effectively for various analytical purposes.
- 3) At the conclusion of the course, students will develop the skills necessary to create visually appealing charts, graphs, and pivot tables to interpret and present.
- 4) After completing the course, learners will possess the ability to conduct descriptive and inferential statistical analyses using SPSS, enabling them to explore and interpret datasets accurately.
- 5) Upon successful completion of the course, participants will be equipped with the competence to generate comprehensive reports and presentations, facilitating clear and professional communication of findings and insights.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Applied Economics
Post Graduate Applied Economics Second Year Programme, Semester-IV
Course Code:HECOC663 Title: Fundamentals of MS-Excel and SPSS (DSC)
Curriculum details for 2 Credits (Practical)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents (Practical) 1 Hrs.=60 M.
1.0		Introduction to MS-Excel	20
	1.1	Basic Navigation: Work File, Worksheet, Cell, Rows and Columns, Ribbon and Quick Access Toolbar.	
	1.2	Data Entry, Data Import and Formatting of font, size, alignments, borders and background colors.	
	1.3	Basic functions, and writing of formulas,	
	1.4	Conditional Formatting and creating Charts	
2.0		Advanced MS-Excel Techniques	20
	2.1	Combining data from multiple worksheets and Workbooks, Protecting Worksheet and Workbook	
	2.2	Data Validation	
	2.3	Use of Analysis Tool Pack for various statistical application: Correlation, Simple linear Regression, Dummy Variable Regression & Non Linear Regression.	
	2.4	Use for detecting Autocorrelation, Multicollinearity and Heteroscedasticity.	
3.0		Introduction to SPSS	20
	3.1	Data Entry and data importation in SPSS, creation of new variable.	
	3.2	Descriptive statistics, Cross Tab, Regression	
	3.3	t-test, ANOVA	
	3.4	Data Visualization.	
Total			60

Text Books

- 1) Grover, D., & Zimmerman, J. (2019). Microsoft Excel 2019 Step by Step. Microsoft Press.
- 2) Walkenbach, J. (2019). Excel 2019 Bible. Wiley.
- 3) Pallant, J. (2021). SPSS Survival Manual: A Step by Step Guide to Data Analysis Using IBM SPSS (7th ed.). Open University Press.
- 4) Field, A. (2018). Discovering Statistics Using IBM SPSS Statistics (5th ed.). SAGE Publications Ltd.
- 5) Kelleher, J. D., & Tierney, B. (2018). Data Science. MIT Press.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE661 Title: Economics of Health and Health Care (DSE)

Curriculum details for 4 Credits

Course Objectives:

- 1) To investigate the fundamental concepts and terminologies of health economics, defining health as an economic good and understanding its structure and beneficiaries.
- 2) To analyze the demand for health and the Grossman Model, and examine the roles of physicians and hospitals as providers of health care.
- 3) To examine equity in healthcare, health financing mechanisms, and the concepts of uncertainty, risk, and insurance in financing healthcare.
- 4) To introduce principles from behavioral economics, including expected utility theory, prospect theory, and time inconsistency, and analyze their implications for health systems.
- 5) To explore economic evaluation methodologies such as cost-benefit, cost-effectiveness, and cost-utility analysis, and interpret metrics like QALY, DALY, and HLYE to assess health efficiency.

Course Outcomes:

- 1) Students will comprehend the fundamental concepts and terminologies of health economics, enabling them to analyze health as an economic good and understand its structure and beneficiaries.
- 2) Students will analyze the dynamics of demand and supply in health care, gaining insight into the Grossman Model and the roles of physicians and hospitals as providers of health.
- 3) Students will assess equity, financing, and distribution in healthcare, understanding the complexities of health financing mechanisms, uncertainty, risk, and insurance in healthcare provision.
- 4) Students will apply principles from behavioral economics to health care analysis.
- 5) Students will conduct economic evaluations in health care, utilizing methodologies such as cost-benefit analysis and cost-effectiveness analysis, and interpreting metrics like QALY, DALY, and HLYE to assess health efficiency.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE661 Title: Economics of Health and Health Care (DSE)

Curriculum details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Overview of Health Economics	12
	1.1	Health Economics: Structure and Beneficiaries	
	1.2	Important Concepts, Terminologies (Health as an economic Good)	
	1.3	Economics of Health vs Health care Arrow's perspective	
	1.4	Demand for health, price sensitivity and the Grossman Model	
2.0		Supply of HealthCare	12
	2.1	Physicians, Hospitals as a providers of health	
	2.2	Production cost and profit maximization model in health care.	
	2.3	Equity in Healthcare, health financing and distribution	
	2.4	Financing healthcare: Uncertainty, Risk and Insurance	
3.0		Behavioral Health Economics	12
	3.1	Introduction to Behavioral Economics	
	3.2	Expected Utility Theory	
	3.3	Prospect Theory and Nudge Theory	
	3.4	Time Inconsistency and Health systems	
4.0		Economics of Health Systems	12
	4.1	Tax and social Health Insurance	
	4.2	Private Health financing Mechanism	
	4.3	Health System around the World	
	4.4	Economic Evaluation Cost benefit, cost effectiveness, cost utility analysis.	

5.1		Economic Evaluation in application to Health and Health Care	
	5.1	Monetary and Non Monetary Analysis: QALY, DALY & HLYE	12
	5.2	Health Efficiency	
	5.3	Health Data handling packages Open Source	
	5.4	Public Health Policies	
Total			60

Text Books

- 1) Bhattacharya, J., Hyde, T., & Tu, P. (2014). Health Economics. Palgrave Macmillan.
- 2) Coelli, T. J., Rao, D. S. P., O'Donnell, C. J., & Battese, G. E. (2005). An introduction to efficiency and productivity analysis. Springer science & business media.
- 3) Morris, S., Devlin, N., Parkin, D., & Spencer, A. (2012). Economic Analysis in Health Care (2nd ed.). Wiley.
- 4) Zweifel, P., Breyer, F., & Kifmann, M. (2009). Health Economics (2nd ed.). Springer.
- 5) Arrow, K. J. (2010). Uncertainty and the welfare economics of medical care. In V. R. Fuchs (Ed.), Economic Aspects of Health (pp. 3-21). University of Chicago Press.
- 6) Feldstein, P. J. (Ed.). (2016). Health Care Economics. Cengage Learning.
- 7) McGuire, T. G. (Ed.). (2012). Handbook of Health Economics. Elsevier.
- 8) Newhouse, J. P. (2009). Handbook of Health Economics. Elsevier.
- 9) Rice, T. H. (2013). The Economics of Health Reconsidered. Health Administration Press.



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE662

Title: Agriculture Economics (DSE)

Curriculum details for 4 Credits

Course Prerequisites:

- Basic knowledge and difference of microeconomics and macroeconomics
- Familiarity with economic theories and models.
- Understanding of mathematical concepts and statistical method.

Course Objectives:

- 1) To impart the basic knowledge of agriculture and its allied branches.
- 2) To understand the risk, uncertainty and instability in price of agriculture products.
- 3) To familiar with the different measures of the farm efficiency and agriculture production.
- 4) To understand the macroeconomics aspects of the economy as they affect the agricultural sector.
- 5) To examine the different agriculture policies and programs in India.

Course Outcomes:

After completion of this course the Students will be able to:

- 1) Understand the basic knowledge of the agriculture and farming system in India.
- 2) Analyze the measures of risk and uncertainty in price and reasons behind that .
- 3) Evaluate the agriculture production by measuring the different factors of farm efficiency.
- 4) Describe the different economic factor such as National income ,employment, capital formation and their effect on agricultural sector.
- 5) Have conceptual clarity on the different agriculture policies and programs in India.



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE662

Title: Agriculture Economics (DSE)

Curriculum details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0		Introduction to Agriculture Economics	12
	1.1	Role of Agriculture in Economic Development	
	1.2	Inter dependence between Agriculture and Industry.	
	1.3	Farm Organization	
	1.4	Land Reforms	
2.0		Risk and uncertainty in Agriculture.	12
	2.1	Difference between risk and uncertainty	
	2.2	Types of uncertainty in agriculture	
	2.3	Measures for meeting risk and uncertainty	
	2.4	Price instability and reasons for relative greater instability of agriculture price.	
3.0		Agriculture Production	12
	3.1	Agriculture production	
	3.2	Farm Budgeting	
	3.3	Measures of farm efficiency	
	3.4	Size of the farm and productivity	
4.0		Agriculture sector ,employment and capital formation	12
	4.1	Role of Agriculture in GDP and employment	
	4.2	Growth in Agriculture output and employment	
	4.3	Capital formation in agriculture.	

	4.4	Agrarian changes in India	
5.1		Agriculture policies and Programs in India	
	5.1	Agriculture policies in India.	12
	5.2	Food security on India.	
	5.3	WTO and Indian Agriculture	
	5.4	Globalization and Indian Agriculture.	
Total			60

Text Books and Reference Books:

1. R.N. Soni and Sangeeta Malhotra (15th edition 2015) ,Agricultural Economics ,Vishal Publication co.Jalandhar ,New Delhi.
2. Black J.D.(1951),Introduction to Economics for Agriculture ,New York ,MacMillan.
3. Khusro ,A.M. and A.N. Aggarwal (1961), Problem of Co-operative Farming in India ,Bombay ,Asia.
4. Ramaswami ,B. (2008) , Risk Management in Agriculture /rural sector ,IJAЕ January ,March 2008.
5. Sharma ,H.R.(1995) ,Agrarian Relation in India : Pattern and Implications, Har ó Anand Publication ,New Delhi.
6. Sharma M.L.ed.all (1989),Land Reform in India Achievements and Prospects,Ajanta Publication ,New Delhi.
7. Vyas ,V.S.(1994) Agricultural Policies for Nineties : Issues and Approaches,EPW,June 25,1994.
8. C.S.Bhalla , (1992) Inidan Agriculture Since Independence, A-5 ,Green Park ,New Delhi.



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE663

Title: Economics of Insurance (DSE)

Curriculum details for 4 Credits

Course Objectives:

- 1) To study the relationship between economics and insurance
- 2) To understand growth and development of insurance sector in India
- 3) To study what kind of products and services in insurance sector
- 4) To know the challenges in insurance sector

Course Outcome:

- 1) Student will be able to know progress of insurance sector in india
- 2) Student will know the available products and services in insurance sector



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code:HECOE663

Title: Economics of Insurance (DSE)

Curriculum details for 4 Credits

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
1.0	1.	Module No. 1 Introduction to Insurance	12
	1.1	Concept and Principles of Insurance	
	1.2	Advantages and Disadvantages of Insurance	
	1.3	Elements of Insurance Contract	
	1.4	Kinds of Insurance, Insurance Ombudsman	
2.0	2.	Module No. 2 Growth and Development of Insurance in India	12
	2.1	History, formation and Structure of LIC/GIC	
	2.2	IRDA (The Insurance Regulatory and Development Authority)f	
	2.3	Growth of Insurance in India	
	2.4	Recent Developments in Insurance Sector	
3.0	3.	Module No. 3 Range of Products and Services of Insurance	12
	3.1	Available products and Services of Insurance in India	

	3.2	Responsibilities under various laws in India	
	3.3	Individual and Group Insurance Schemes	
	3.4	Products by Private Sector, File and Use Procedure	
4.0	4.	Module No. 4. Fund Management in Insurance Sector	12
	4.1	Concept of Investment Management, Objectives in Fund Management	
	4.2	Magnitude of Funds and Nature of Fund Investment	
	4.3	Policy constraints on Investment in Stock Market	
	4.4	Development of Expertise	
5.1	5.	Module No. 5 Challenges in India's Insurance Sector	12
	5.1	Ambiguity in Insurance Contracts Inflexible Policy Terms	
	5.2	Lack of Powers Delegated to Representatives Policy Documents Not Shared with Consumers	
	5.3	Repudiation of Claims on Basis of Pre-existing Diseases	
	5.4	Crop Insurance Claims Tied up with a Central Scheme	
Total			60

Text books:

- 1) Harjeet Kaur Virk, Navneet Kaur Walia Insurance: Concepts, Principles, Procedure, Growth and Legal Framework, New Era Publisher, Chandigarh 2017.
- 2) Hargovind Dayal, The Fundamentals of Insurance Theories, Principles and Practices, Notion Press Publisher, Chennai 2018.
- 3) Neelam C. Gulathi, Principles of Insurance Management: A Special Focus on Development in India Insurance sector, Excel books publisher in India, 2019.
- 4) Dr. L. P. Gupta, India Insurance Guide, Gupta Publisher, 2014
- 5) S.C. Das and S.C. Sahoo, Insurance Management, Himalaya Publishing House, 2018, India.

References books:

- 1) O.P. Agarwal, Banking and Insurance, Himalaya Publishing House, New Delhi. Second revised edition 2011.

- 2) C. Arthur Williams, Jr. Peter Young, Michael Smith, Risk Management and Insurance, Tata Mc Graw Hill, 2017
- 3) Gulati Neelam C., Principles of Risk Management and Insurance, Excel Publishing Gupta,2019
- 4) P.K.Sharma, Insurance and Risk Management, Himalaya Publishing House., 2018
- 5) Kakkar D.N. & Srivastava S.N., Insurance & Risk Management, New Age Publication.
- 6) Scott E. Harrington, Gregory R Niehaus, Risk Management and Insurance, Tata McGraw Hill.
- 7) Principles of Insurance (IC-01), Insurance Institute of India, Mumbai.
- 8) Practice of Life Insurance (IC-02), Insurance Institute of India, Mumbai 6 EC (1267) - 25.08.2023
- 9) Practice of General Insurance (IC-11), Insurance Institute of India, Mumbai 4. Corporate Agent (IC-38), Insurance Institute of India, Mumbai Text Books



Swami RamanandTeerthMarathwada University, Nanded

Faculty of Humanities Major in Applied Economics

Post Graduate Applied Economics Second Year Programme, Semester-IV

Course Code: HECOR661

Title: Research Project / Dissertation

Curriculum details for 6 Credits

Course pre-requisites:

1. Preliminary knowledge of research methodology
2. Basic understandings in the economics as discipline

Course Objectives:

1. To acquaint students with structure of research report/dissertation
2. To give an idea about the research report writing
3. To inform students about how to use statistical techniques and tools in research
4. To prepare students to write the dissertation

Course Outcomes:

1. Learners will practically conduct a research
2. Learner will follow all the research steps under the guidance of supervisor
3. Learners will produce some of the research findings
4. Learners will produce and submit the research report in stipulated format

Steps:

- Student will have to choose topic of his own interest in consultation with faculty supervisor
- Extensive review of literature by the students monitored by faculty
- Objectives and hypothesis should be finalized once primary literature review is done
- Data collection for the fulfillment of objectives of the research
- Data analysis and interpretation under the keen observation of the faculty
- Report writing by the students (As per the format)
- Final project viva voce including presentation of student in front of experts

Every Report/Dissertation should contain the following documents in the described sequences and format

- 1) Front cover page of glossy photo paper or hard bound rexin cover, which should have printed or embossed descriptions as given in Appendix-1
- 2) The First inner cover page should contain the same description printed as in Appendix-1 but on glossy paper if the cover page is rexin bound and embossed otherwise of on plain paper/colored paper.
- 3) The Second inner page must contain the Certificate issued by the supervisors(s) endorsing the originality of the work and the declaration that this piece of work has been carried out under his/her/their supervision and at the deputed place, time, etc. and the endorsement of the HOD/Director to these statement as given in Appendix-2
- 4) The Third inner page is the certificate page as issued by the authority, where the student has undertaken the OJT or research or Practicalø etc. Appendix-3
- 5) The fourth inner page is the page of Acknowledgement, which the student has to write and acknowledge the thanks, gratitude, obligation etc. for the successful completion of the assignment due to these individuals, authorities or institution or organization etc. Appendix-4
- 6) The Fifth inner page is the page for dedication in honor, like to parents/Teachers/Friend/Wife/Husband/Organization etc. But this page is not a compulsion.
- 7) The sixth page is Index/Contents page, which must contain the Serial number, Title of each Chapter/part/programme and the page number as in Appendix-5
- 8) The Seventh page should contain the Index of Graphs/supporting documents/survey samples/tables/pictures/photographs etc., which are used as a part of the report. Each item has to have a title so that these can be prepared in the same manner as the Sixth page (Index/Contents page)

- 9) Each Chapter should be separated by a partition page marked/printed with the CHAPTER NO. and CHAPTER TITLE as described in the Index/Contents page above (Point 7)
- 10) The Report/Dissertation must contain the References/Bibliography pages at the end of the last chapter. The references also should be noted, sequenced and described as per a standard format and cannot be placed in any personally chosen order or description. It is very significant part of the report/dissertation for evaluation by the examiner. A standard pattern of References page is given in Appendix-6
- 11) Each page should be numbered from the writing page of Chapter-I. Pages of Certificate of the supervisor till partition page of Chapter-I should be numbered in Roman digits (I, II, III, í .IX, í ..XIII etc.)
- 12) Avoid making underlines for each heading especially to the Capital letters. All headings should be with capital letters and sub-headings with small letters. Avoid use of Italics until unless it is required. Similarly, do not use different types of markers/symbols for explaining the content in points; rather follow 1-2 types of these only in consistence.
- 13) Follow a logical placement of facts, figures and analysis to explain the findings for a Layman Understands of your report and accordingly you spell out/order/design the chapters.
- 14) One must use comprehensive English words to describe the Title of the work and the Chapters. Hence, avoid long expressions for these.
- 15) It is advisable to take support/help from a good English knowing person to correct the grammatical errors and construction of Active/passive sentences, use of Phrases/Idioms in your report writing etc.
- 16) The printing pages should be of uniform page payout conditions and fonts for the total report.