



॥ 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

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

Phone: (02462)215542

Academic-1 (BOS) Section

website: srtmun.ac.in

E-mail: bos@srtmun.ac.in

मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार पदव्युत्तर स्तरावरील प्रथम वर्षाचे अभ्यासक्रम शैक्षणिक वर्ष २०२३-२४ पासून लागू करण्याबाबत.

## परिपत्रक

संदर्भ:- १. जा.क्र.शौ-१/एनईपी२०२०/मानवविज्ञान-अक-/२०२३-२४/१३२ दिनांक ०६/०७/२०२३.

२. जा.क्र.शौ-१/एनईपी२०२०/मानवविज्ञान-अक-/२०२३-२४/१२९ दिनांक ३०/०६/२०२३.

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, संदर्भीय परिपत्रकान्वये दिनांक १६ जून २०२३ रोजी संपन्न झालेल्या मा. विद्यापरिपदेच्या बैठकीतील एनवेळचा विषय क्र. ०७/५६-२०२३ अन्वये मान्यता दिल्यानुसार मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार अभ्यासक्रम शैक्षणिक वर्ष २०२३-२४ पासून लागू करण्यात आलेले आहेत. तथापी वरील संदर्भीय परिपत्रक १ व २ अन्वये प्रकाशित केलेल्या अभ्यासक्रमामध्ये अभ्यासमंडळानी किरकोळ दुरुस्ती करून अभ्यासक्रम सादर केले आहेत. त्यानुसार दुरुस्तीसह खालील अभ्यासक्रम लागू करण्यात येत आहेत.

1. M. A. Economics I year ( Affiliated Colleges)
2. M. A. Geography I year (Affiliated Colleges)
3. M. A. Philosophy I year (Affiliated Colleges)
4. M. A. History I year (Affiliated Colleges)
5. M. A. Sanskrit I year (Affiliated Colleges)
6. M. A. Sociology I year (Affiliated Colleges)

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या [www.srtmun.ac.in](http://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.:शैक्षणिक-१/परिपत्रक/ एनईपीपीजी/ मानवविज्ञानअक/  
२०२३-२४/२३९  
दिनांक : २३.०८.२०२३.

प्रत माहिती व पुढील कार्यवाहीस्तव :

- १) मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.
- २) मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- ३) मा. प्राचार्य, सर्व संबंधित महाविद्यालये, प्रस्तुत विद्यापीठ.
- ४) सिस्टम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. यानां देवून कळविण्यात येते की, सदरील परिपत्रक विद्यापीठाच्या संकेतस्थळावर प्रसिध्द करण्यात यावे.

आपली विश्वासू  
सहा.कुलसचिव  
शैक्षणिक (१-अभ्यासमंडळ) विभाग

**SWAMI RAMANAND TEERTH MARATHWADA  
UNIVERSITY, NANDED**



**(Structure and Syllabus of Four Years Multidisciplinary Degree  
Program with Multiple Entry and Exit Option)**

**TWO YEAR MASTER DEGREE PROGRAMME**

**Major in Economics**

**Under the Faculty of Humanities**

**First Year**

**Semester Pattern**

**Effective From Academic Year 2023-2024  
(As Per NEP-2020)**

## **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. Ajay Tengse,**

Dean, Faculty of Humanities,

**Dr. Vikas Sukale,**

Asso. Dean, Faculty of Humanities,

Swami Ramanand Teerth Marathwada University, Nanded.

## **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.

### **Programme Objectives:**

- 1) To provide students with a strong foundation in the economic fundamentals necessary to formulate, solve and analyze economic problems and prepare them for graduate students.
- 2) To prepare students to demonstrate an ability to identify, formulate and solve Statistics, Mathematics, Microeconomics and Macro Economics.
- 3) To prepare students to demonstrate successful career in Trade and Business
- 4) To provide opportunities for students to work on research projects, training and fieldwork.
- 5) To promote awareness among learners and to introduce them to professional ethics and codes of professional practice.
- 6) Ability to solve problems in microeconomics and macro economics.
- 7) Understanding of contemporary economic issues and the impact of public and social policies to resolve them.
- 8) Ability to identify, formulate and solve problems related to global, national and local socio-economic development.

**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	<b>Dr. Laxman Hanmantrao Patil</b>	Chairman	Shivaji Mahavidhyalya, Udgir <a href="mailto:lhpatil1971@gmail.com">lhpatil1971@gmail.com</a>	9421365316
2	<b>Dr. Pramod Pandurang Lonarkar</b>	Member	School of Social Science this University <a href="mailto:pramodlonarkar83@gmail.com">pramodlonarkar83@gmail.com</a>	7745083377
3	<b>Dr. Shalinee Uttamrao Kadam</b>	Member	School of Social Science this University <a href="mailto:shalineeukadam@gmail.com">shalineeukadam@gmail.com</a>	8698063223
4	<b>Dr. Vikas Vinayakrao Sukale</b>	Member	Peoples College Nanded <a href="mailto:vsukale@gmail.com">vsukale@gmail.com</a>	9423345145
5	<b>Dr. Digambar Dattarao Bhosale</b>	Member	Yeshwant Mahavidyalya, Nanded <a href="mailto:bhosaledigambar3@gmail.com">bhosaledigambar3@gmail.com</a>	7020560852
6	<b>Dr. Chhaya Prabhakar Karkare</b>	Member	K.R.M Mahila Mahavidyalya, Nanded <a href="mailto:cpkarkare@gmail.com">cpkarkare@gmail.com</a>	9923330669
7	<b>Dr. Rajeshwar Vishwanath Kirtankar</b>	Member	Narayanrao Waghmare College Akhda Balapur <a href="mailto:rvkirtankar@gmail.com">rvkirtankar@gmail.com</a>	8788823804
8	<b>Dr. Vishal Chandrashekhar Belure</b>	Member	Shankarrao Mahavidhyalya, Nanded <a href="mailto:vcbelure@gmail.com">vcbelure@gmail.com</a>	9403477782
9	<b>Dr. Pandurang Ramrao Muthe</b>	Member	Yeshwant Mahavidhyalya Nanded <a href="mailto:ajaymeco82@gmail.com">ajaymeco82@gmail.com</a>	9421359542
10	<b>Dr. Balaji Tulshiram Ghute</b>	Member	Dayanand College of Arts, Latur <a href="mailto:btghute@gmail.com">btghute@gmail.com</a>	8329408608
11	<b>Dr. Anil Digambar Wadkar</b>	Member	Kumar Swami Mahavidyalaya Ausa Dist: Latur <a href="mailto:adwadkar1983@gmail.com">adwadkar1983@gmail.com</a>	9822411978
12	<b>Dr. Ganesh P. Lodhe</b>	Inv. Member	D.S.M's college of Arts, Commerce & Science, Parbhani <a href="mailto:ganeshlodhe1@gmail.com">ganeshlodhe1@gmail.com</a>	940339016
13	<b>Dr. Digambar B. Rode</b>	Inv. Member	Shri Shivaji College, Parbhani <a href="mailto:drdigambarrode@gmail.com">drdigambarrode@gmail.com</a>	9420816655
14	<b>Dr. Ajay P. Kunte</b>	Inv. Member	Narayanrao Waghmare College, Akhda Balapur. <a href="mailto:ajaypkunte5978@gmail.com">ajaypkunte5978@gmail.com</a>	9284211550
15	<b>Dr. Dnyaneshwar A. Pupalwad</b>	Inv. Member	Yeshwant Mahavidyalaya, Nanded <a href="mailto:pupalwaddnyaneshwar@gmail.com">pupalwaddnyaneshwar@gmail.com</a>	9823227382



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities**  
**Two Year Master Degree Programme**  
**Major in Economics**  
**First Year**  
**Semester System**

**Introduction:**

The programme is designed for the students pursuing post-graduation with Economics in regular mode. The programme aims to inculcate economic and analytical thinking among the students in economic decision making by understanding economic theories. The objective is to nurture among student a view point of a socially responsible and ethical aware citizen.

The implementation of NEP 2020 has given the great opportunity to make the structure and syllabus of Economics more dynamic and rigorous. Hence the curriculum committee in Economics has prepared the model structure and syllabus for the first two semesters as the first step towards it.

**Pre-requisite of the Programme:**

Students should studied Economics subject during his/her under graduation and must complete 24 credits in Economics subject.

**Programme Outcomes (POs):**

Students after completing this program will be able to:

- 1) Analyse and solve problems in microeconomics and macroeconomics.
- 2) Understand the concepts and application of the advanced theories in Micro and Macro Economics.
- 3) Understand and analyze the theory, approaches and policies in international Economics.
- 4) Understand, identify, formulate and solve problems in Mathematical Economics, Quantitative Techniques, Econometrics, Microeconomics and Macroeconomics.
- 5) Familiar with the knowledge, application and the tools of empirical and numerical analysis in the subject.
- 6) Student will be able to compute and assess various variables in the economy by learning of numerical courses like Mathematical Economics, Econometrics and Quantitative Techniques etc.
- 7) Acquaint with some basic concept of Environmental Economics along with the solution to the Environmental problems.
- 8) Understand the research methods in Economics and its application in research.
- 9) Work on research projects, training and fieldwork.



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities,**  
**Major in Economics**

*(Pre-requisite of the Programme: Students should studied Economics subject during his/her under graduation and must complete 24 credits in Economics subject)*

***Credit Framework of Two-Year PG Program for the faculty of Humanities***

Year & Level	Sem.	Major Subject		RM	OJT / FP	Research Project	Credits	Total Credits
		(DSC)	(DSE)					
1	2	3	4	5	6	7	8	9
1	1	HECOC 501 (4 Cr) <b>Advance Micro Economics-I</b> HECOC 502 (4 Cr) <b>Advanced Macro Economics-I</b> HECOC 503 (4 Cr) <b>International Economics-I</b>	<b>Elective</b> HECOE 501 (4 Cr) <b>Mathematical Economics-I</b> OR HECOE 502 (4 Cr) <b>Environmental Economics</b>	HECOR 501 (4 Cr) <b>Research Methodology in Economics</b>	-	-	20	40
	2	HECOC 551 (4 Cr) <b>Advanced Micro Economics-II</b> HECOC 552 (4 Cr) <b>Advanced Macro Economics-II</b> HECOC 553 (4 Cr) <b>International Economics-II</b>	<b>Elective</b> HECOE 551 (4 Cr) <b>Mathematical Economics-II</b> OR HECOE 552 (4 Cr) <b>Economics of Population</b>	-	HECOF 551 (4 Cr) <b>Field Project</b>	--	<b>20</b>	

**Abbreviations:**

**DSC:** Department/Discipline Specific Core (Major)

**DSE:** Department/Discipline Specific Elective (Major)

**OJT:** On Job Training: (Internship/Apprenticeship)

**FP:** Field Projects

**RM:** Research Methodology

**RP:** Research Project/Dissertation



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities Major in Economics*

**Post Graduate -First Year Programme of Semester I (Level 6 )**

**Teaching Scheme**

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
<b>Major</b>	HECOC501	Advanced Micro Economics-I	04	--	<b>04</b>	04	----	04
	HECOC502	Advanced Macro Economics-I	04	---	<b>04</b>	04	----	04
	HECOC503	International Economics- I	04	--	<b>04</b>	04	---	04
<b>Major -Electives</b>	HECOE501 Or HECOE502	Mathematical Economics- I Or Environmental Economics	04	--	<b>04</b>	04	---	04
<b>Research Methodology</b>	HECOR501	Research Methodology in Economics	04	----	<b>04</b>	04	-----	04
<b>Total Credits</b>			<b>20</b>	<b>--</b>	<b>20</b>	<b>20</b>	<b>---</b>	<b>20</b>





**Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities* Major in Economics

**Post Graduate - First Year Programme, Semester II (Level 6)**

***Teaching Scheme***

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
<b>Major</b>	HECOC551	Advanced Micro Economics-II	04	--	<b>04</b>	04	----	04
	HECOC552	Advanced Macro Economics-II	04	---	<b>04</b>	04	----	04
	HECOC553	International Economics- II	04	--	<b>04</b>	04	---	04
<b>Major - Electives</b>	HECOE551 Or HECOE552	Mathematical Economics –II Or Economics of Population	04	--	<b>04</b>	04	---	04
<b>Field Project</b>	HECOF551	Field Project	04	----	<b>04</b>	04	-----	04
<b>Total Credits</b>			<b>20</b>	<b>--</b>	<b>20</b>	<b>20</b>	<b>---</b>	<b>20</b>



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities. Major in Economics*

**Post Graduate First Year Programme, Semester I (Level 6)**

***Examination Scheme***

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]  
*(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits of individual paper)*

Subject (1)	Course Code (2)	Course Name (3)	Theory				ESE Total (8)	Total Col. (7+8) / (09)
			Continuous Assessment (CA)			Avg of T1+T2+Assi. /3 (7)		
			Test I (4)	Test II (5)	Assignment (6)			
<b>Major</b>	HECOC501	Advanced Micro Economics-I	20	20	20	20	80	100
	HECOC502	Advanced Macro Economics-I	20	20	20	20	80	100
	HECOC503	International Economics -I	20	20	20	20	80	100
<b>Major -Electives</b>	HECOE501 Or HECOE502	Mathematical Economics -I Or Environmental Economics	20	20	20	20	80	100
<b>Research Methodology</b>	HECOR501	Research Methodology in Economics	20	20	20	20	80	100



# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities*

Major in Economics

## Post Graduate First Year Programme, Semester II (*Level 6*)

### *Examination Scheme*

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

(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits of individual paper)

Subject(1)	Course Code (2)	Course Name (3)	Theory					Total Col. (7+8) / (09)
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)	
<b>Major</b>	HECOC551	Advanced Micro Economics-II	20	20	20	20	80	100
	HECOC552	Advanced Macro Economics-II	20	20	20	20	80	100
	HECOC553	International Economics- II	20	20	20	20	80	100
<b>Major - Electives</b>	HECOE551 Or HECOE552	Mathematical Economics - II Or Economics of Population	20	20	20	20	80	100
<b>Field Project</b>	HECOF551	Field Project	20	20	20	20	80	100

#### 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 Marks



**SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED**

***Faculty of Humanities***

**M.A. ( First Year)**

**Subject : Economics**

**End of Semester Examination (ESE)**

**Question Paper Pattern (4 Credits)**

**Paper Name: .....,**

**Paper Code: .....**

**Time: 03 Hours,**

**Marks : 80**

**(As Per NEP-2020)**

***Note: End Semester Examination assessment (80% of the Maximum Marks):***

- 1. ESE Question paper will consists of 6 questions ( each carry 20 marks)*
- 2. Students are required to solve a total of 4 Questions*
- 3. Question No.1 will be compulsory and shall be based on entire syllabus.*
- 4. Students need to solve ANY THREE of the remaining Five Questions ( from Q. No. 2 to 6) and shall be based on entire syllabus.*

Q.1) Descriptive Question (Compulsory) ( 20 Marks)

- A)
- B)
- C)
- D)
- E)

(Note: 5 sub-questions (each carry 4 marks) will be asked under Q. No. 1 and there will be at least one sub-question from every chapter, students must attempt all these sub questions)

Q.2) Descriptive Question ( 20 Marks)

Q.3) Descriptive Question ( 20 Marks)

Q.4) Descriptive Question ( 20 Marks)

Q.5) Descriptive Question ( 20 Marks)

Q.6) Descriptive Question ( 20 Marks)

(Solve Any Three Questions from Q. No. 2 to 6) ( 60 Marks)

---

**Total = ( 80 Marks)**

## **Guidelines for Course Assessment:**

### **A. Continuous Assessment (CA) (20% of the Maximum Marks):**

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### **B. Assessment of Term Work/ Tutorial/Field Works:**

At least 08 test / assignments covering entire syllabus must be given during the 'class wise tutorial'. The assignments should be students' centric and attempts be made to make assignments more meaningful, interesting and innovative.

Term work assessment must be based on overall performance of the student with every assignments graded time to time. The grades be converted to marks as per 'credit and grading system' manual and should be added and averaged.

**Note:** Number of lectures required to cover syllabus of a course depend on number of credit assigned to it. For example, for a two credit course, 30 lectures each of one hour duration are assigned, while that for a four credit course 60 lectures.



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities*  
Major in Economics

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECOC501**

**Paper Title : Advanced Micro Economics - I**

*DSC*

*Curriculum Details*

**Course Pre-requisite:** There is no Course Pre-requisite as such, although

- 1) If Students know the basic concepts of Economics subject in general and microeconomics in particular will be helpful for them.
- 2) Students will gain if they will be able to read a college-level textbook and possess graphing skills.

**Course objectives:**

- 1) To enable students to understand and analyses the theory of production , costs and consumer behavior
- 2) To enable them to take up case studies for application of the prescribed theories.
- 3) The emphasis will be on thinking like an economist and the course will illustrate how; microeconomic concepts can be applied to analyze real-life situations

**Course Outcomes:**

After completion this course studies will be able to:

- 1) Understand basic concepts and methods of economic analysis.
- 2) Understand the advanced theories of demand.
- 3) Explaining theories of production.
- 4) Explaining concepts of costs and cost theories.
- 5) Classify actual market structure.

# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-I

Paper Code: HECOC501 Paper Title : Advanced Micro Economics - I

**Curriculum Details: (for 4 Credits)**

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 M.
<b>1.0</b>		<b>Introduction &amp; Basic Concept</b>	<b>12</b>
	<b>1.1</b>	Basic economic problems-choice and scarcity	
	<b>1.2</b>	Deductive and inductive methods of analysis; Positive and normative economics	
	<b>1.3</b>	Micro and macro-economic analysis;	
	<b>1.4</b>	Characteristics of equilibrium and disequilibrium systems	
<b>2.0</b>		<b>Demand Analysis</b>	<b>12</b>
	<b>2.1</b>	Indifference curve: income, substitution and price effects	
	<b>2.2</b>	Hicks and Slutsky Approach.	
	<b>2.3</b>	Compensated demand curve and their applications; Revealed preference theory	
	<b>2.4</b>	Revision of Demand Theory by Hicks	
<b>3.0</b>		<b>Theory of Production</b>	<b>12</b>
	<b>3.1</b>	Law of variable and returns to scale	
	<b>3.2</b>	Isoquants, Least cost combination of inputs; Elasticity of Substitution	
	<b>3.3</b>	Multi-product firm; Euler's theorem.	
	<b>3.4</b>	Cobb-Douglas, CES & VES Production Function	
<b>4.0</b>		<b>Theory of Cost</b>	<b>12</b>
	<b>4.1</b>	Cost Concepts- Economics Cost, Private and Social cost opportunity cost, fixed and variable	
	4.2	Average, Marginal & total Cost	
	4.3	The traditional theory of Cost- the envelop curve	
	4.4	The Modern theory of Cost- The 'L' shaped curve	
<b>5.0</b>		<b>Market Structure , Price and Output Determination</b>	<b>12</b>
	<b>5.1</b>	Monopolistic competition equilibrium of the firm and Group	
	<b>5.2</b>	Excess capacity under monopolistic competition.	
	<b>5.3</b>	Oligopoly-Non-collusive: Cournot, Edgeworth, Kinked demand curve	
	<b>5.4</b>	Stackelberg's solution	
<b>Total</b>			<b>60</b>

### Recommended Textbooks/References:

1. Archibald, G. C. (Ed.) (1971), Theory of the firm, Penguin, Harmonds worth.
2. Borch, K. H. (1968), The Economics of Uncertainty, Princeton University Press, Princeton
3. Bronfenbrenner, M. (1979), Income Distribution Theory, Macmillan, London.
4. Broadway, R. W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, London.
5. Baumol, W. J. (1982), Economic Theory and Operations analysis, Prentice Hall of India, New Delhi.
6. Bain, J. (1958), Barriers to New Competition, Harvard University Press Harvard.
7. Koutsoyiannis, A. (1979), Modern Microeconomics (2nd Edition), Macmillan Press, London.
8. Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
9. P. R. G. and A. W. Alters (1978), Microeconomic Theory, McGraw Hill, New York.
10. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
11. Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
12. Varian, H. (2000), Microeconomic Analysis, W. W. Norton, New York.
13. Green, H. A. G. (1971), Consumer Theory, Penguin, Harmonds worth.
14. Henderson, J. M. and R. E. Quant (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
15. Healthfields and Wibe (1987), An Introduction to Cost and Production Functions, Macmillan, London.
16. Graff, J. De V. (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
17. Mishan, E. J. (1969), Welfare Economics: An Assessment, North Holland, Amsterdam.
18. Green, H. and V. Walsh (1975), Classical and Neo-classical Theories of General Equilibrium, Oxford University Press, London.
19. Hansen, B. (1970), A Survey of General Equilibrium Systems, McGraw Hill, New York.
20. Weintrub, E. R. (1974), General Equilibrium Theory, Macmillan, London.
21. Arrow, K. J. and M. D. Intrilligator (Eds.) (1981), Handbook of Mathematical Economics, Vol. I, North Holland, Amsterdam.
22. Diamond and Rothschild (Eds.) (1978), Uncertainty in Economics, Academic Press, New York
23. पिंपरकर, ग.प्र. (2000) मूल्य व वितरण सिद्धांतिक विवेचन -भाग 1 आणि 2, मराठी अर्थशास्त्र परिषद (प्रकाशन सातवे) मंगळवेढा सोलापूर.
24. पाटील कृष्णराव, (2001) उच्चतर आर्थिक सिद्धांत, श्री मंगेश प्रकाशन, नागपूर.
25. डॉ. महाजन , (2000) अंशलक्षी अर्थशास्त्र भाग-1 व भाग -2, प्रगती बुक्स प्रा. लि. पुणे.
26. श्री चिघळीकर, डॉ. पाटील एल. एच. (2013) सूक्ष्म अर्थशास्त्र, अरुणा प्रकाशन, लातूर.
27. झिंगन एम. एल. (2003) व्यष्टी अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)





**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECOC551**

**Paper Title : Advanced Micro Economic-II**

**DSC**

*Curriculum Details*

**Course Pre-requisite:** There is no Course Pre-requisite as such,

- 1) If Students know the basic concepts of Economics in general and microeconomics in particular will be helpful for them.
- 2) Students will gain if they will be able to read a college-level textbook and possess graphing skills.

**Course objectives:**

- 1) To enable students to understand and analyses the theories of firm and distribution.
- 2) To enable them to take up case studies for application of the prescribed theories.
- 3) The emphasis will be on thinking like an economist and the course will illustrate how; microeconomic concepts can be applied to analyze real-life situations

**Course outcomes:**

After completion this course studies will be able to:

- 1) Understand theories of firm and recent development therein.
- 2) Illustrate the value and use of managerial theories of firm.
- 3) Explaining factors of pricing and theories of distribution.
- 4) Understand the General and partial equilibrium to market.
- 5) Understand and discuss the different view in the welfare economics.

**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities Major in\_Economics**  
**Post Graduate-First Year Programme, Semester-II**  
 Paper Code: HECOC551 Paper Title : Advanced Micro Economic-II

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1 Hrs.=60M.</b>
<b>1.0</b>		<b>Alternative Theories of the Firm</b>	<b>12</b>
	<b>1.1</b>	Critical evaluation of marginal analysis; Baumol's sales revenue Maximization model.	
	<b>1.2</b>	Williamson's model of managerial Discretion.	
	<b>1.3</b>	Morris model of managerial enterprise & Full cost pricing rule;	
	<b>1.4</b>	Bain's limit pricing theory and its recent developments including Sylos-Labini's model.	
<b>2.0</b>		<b>Theories of Distribution</b>	<b>12</b>
	<b>2.1</b>	Neo-classical approach — Marginal productivity theory, Product exhaustion theorem	
	<b>2.2</b>	Elasticity of technical substitution, technical progress and factor shares	
	<b>2.3</b>	Determination of rent, wages, interest and profit (Modern theories)	
	<b>2.4</b>	Theories of distribution —Ricardian, Marxian, Kalecki & Kaldor.	
<b>3.0</b>		<b>General Equilibrium</b>	<b>12</b>
	<b>3.1</b>	Partial and general equilibrium	
	<b>3.2</b>	Walrasian excess demand and input-output approaches to general equilibrium,	
	<b>3.3</b>	Existence, stability and uniqueness of equilibrium and general equilibrium	
	<b>3.4</b>	Relationship between relative commodity and factor prices - Stolper-Samuelson theorem	
<b>4.0</b>		<b>Welfare Economics</b>	<b>12</b>
	<b>4.1</b>	Positive Economics and Welfare Economics	
	<b>4.2</b>	Pigo's theory of welfare economics	
	<b>4.3</b>	Value Judgments, Bergson & Samulson's welfare function.	
	<b>4.4</b>	Optimum Resource Allocation and Welfare Maximization	
<b>5.1</b>		<b>New Welfare Economics</b>	<b>12</b>
	<b>5.1</b>	Concept and conditions Pareto optimal in welfare economics	
	<b>5.2</b>	Hicks- Kaldor's –Scitovsky's Compensation Principal	
	<b>5.3</b>	Theory of Second Best— Arrow's impossibility theorem of Social Choice	
	<b>5.4</b>	Sen's Idea of Welfare Economics, Rawl's theory of justice	
<b>Total</b>			<b>60</b>

### Recommended References :

- 1) Borch, K.H. (1968), The Economics of Uncertainty, Princeton University Press, Princeton.
- 2) Da Costa, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
- 3) Diamond and Rothschild (Eds.) (1978), Uncertainty in Economics, Academic, Press, New York.
- 4) Graff, J. De V. (1957), Theoretical Welfare Economics, Cambridge University, Press, Cambridge.
- 5) Green, H. and V. Walsh (1975), Classical and Neo-Classical Theories of General Equilibrium, Oxford University Press, London.
- 6) Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory : A Mathematical Approach, McGraw Hill, New Delhi.
- 7) Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
- 8) Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
- 9) Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
- 10) Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
- 11) Mishan, E.J. (1969), Welfare Economics : An Assessment, North Holland, Amsterdam.
- 12) Robert S. Pindyck, Daniel L. Rubinfeld, Prem L. Mehta(2009), Microeconomics (Seventh Edition), Pearson, New Delhi.
- 13) Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- 14) Stigler, G. (1996), Theory of Price, (4th Edition), Prentice Hall of India, New Delhi.
- 15) Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
- 16) पिंपरकर, ग.प्र. (2000) मूल्य व वितरण सिद्धांतिक विवेचन -भाग 1 आणि 2, मराठी अर्थशास्त्र परिषद (प्रकाशन सातवे) मंगळवेढा सोलापूर.
- 17) पाटील कृष्णराव, (2001) उच्चतर आर्थिक सिद्धांत, श्री मंगेश प्रकाशन, नागपूर.
- 18) डॉ. महाजन , (2000) अंशलक्षी अर्थशास्त्र भाग-1 व भाग -2, प्रगती बुक्स प्रा. लि. पुणे.
- 19) चिघळीकर, डॉ. पाटील एल. एच. (2013) सूक्ष्म अर्थशास्त्र, अरुणा प्रकाशन, लातूर.
- 20) झिंगन एम. एल. (2003) व्यष्टी अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECOC502**

**Paper Title : Advanced Macro Economics-I**

**DSC**

**Curriculum Details: (for 4 Credits)**

**Course Pre-requisite:**

There is no Course Pre-requisite as such:

- The course is useful for the students to understand the functional relationship between the large aggregates. In this concern if students have basic conceptual knowledge in micro and macroeconomics will helpful to them.
- If they broadly know the basic differences about micro economic analysis and macro economic analysis methods will helps them to better understanding in the subject.
- Students will gain if they will be able to read a college-level textbook and possess graphing skills.

**Course Objectives:**

1. To facilitate understanding of the basic concepts of Macro Economics
2. To prepare the students to understand the principles of macroeconomic theory.
3. The emphasis will be on thinking like an economist and the course will illustrate how Macroeconomic concepts can be applied to analyze real-life situations.

**Course Outcomes:**

After completing this course, the students will be able to:

- 1) Learn macro economic variables and scope of macro economics
- 2) Understand various concepts of National Income and their relationship with welfare of people.
- 3) Examine the consumption function and theoretical aspects of consumption.
- 4) Understand the investment function and theories of investment.
- 5) Understand the different views on income and employment and theories regarding it.

**Swami Ramanand Teerth Marathwada University, Nanded**

**Faculty of Humanities Major in Economics**

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECOC502**

**Paper Title : Advanced Macro Economics-I**

**Curriculum Details: (for 4 Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1Hrs.=60M</b>
<b>1.0</b>	<b>I</b>	<b>An Introduction to Macro Economics</b>	<b>12</b>
	<b>1.1</b>	Nature and scope of Macro Economics,	
	<b>1.2</b>	significance and limitations of Macro Economics,	
	<b>1.3</b>	Macro economic variables – dependent- independent variables, Endogenous – exogenous variables, stock and flow variables	
	<b>1.4</b>	Macroeconomic equilibrium- macro statics macro dynamics	
<b>2.0</b>	<b>II</b>	<b>National Income Accounting</b>	<b>12</b>
	<b>2.1</b>	Definitions of National Income, Concepts of National Income- GDP, GNP, NNP, PCI, Personal Income , Disposable Personal Income, Real GDP versus Nominal GDP , GDP Deflator	
	<b>2.2</b>	Methods of estimating national income, Difficulties in national income accounting	
	<b>2.3</b>	National income and economic welfare	
	<b>2.4</b>	Circular flow of national income in two, three and four sector economy	
<b>3.0</b>	<b>III</b>	<b>Theories of Consumption</b>	<b>12</b>
	<b>3.1</b>	Consumption function	
	<b>3.2</b>	Keynes psychological law of consumption; short and long run consumption function	
	<b>3.3</b>	Income consumption relations- Absolute income hypothesis, Relative income hypothesis	
	<b>3.4</b>	Income consumption relations- Life-Cycle hypothesis, Permanent income hypothesis	
<b>4.0</b>	<b>IV</b>	<b>Theories of Investment</b>	<b>12</b>
	<b>4.1</b>	Concept of Investment function, Marginal efficiency of capital- Keynesian Theory	
	<b>4.2</b>	The Investment Multiplier (static and dynamic)	
	<b>4.3</b>	The Accelerator theory and investment behavior, Leverage effect	
	<b>4.4</b>	Inventory Investment; The Neo-classical theory of Investment	
<b>5.1</b>	<b>V</b>	<b>Theories of Income and Employment</b>	<b>12</b>
	<b>5.1</b>	Classical system- Say's Law of market	
	<b>5.2</b>	Keynesian system- Keynesian theory of Employment	
	<b>5.3</b>	Product market and Money Market; The ISLM Model	
	<b>5.4</b>	Relative Effectiveness of Monetary and Fiscal Policies	
<b>Total</b>			<b>60</b>

## Recommended Textbooks/Reference:

1. Ackley G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
2. Baumol W. J. (1952), The Transaction Demand For Cash: An Inventory-Theoretic Approach ,Quarterly Journal of Economics.
3. Branson W.A. (1989), Macroeconomic Theory and Policy, (3rd Ed.), Harper and Row,New York.
4. Dornbusch, R. & Stanley F. (1997 & latest Ed.), Macroeconomics, McGraw Hill, Inc., New York.
5. Patinkin D. (1965), Money, Interest and Prices, Harper and Row, New York.
6. Romer D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
7. Mankiw N. G. , (2015), Macroeconomics, Worth Publishers, New York.
8. Mueller M.G. (1966), Readings in Macroeconomics, Holt Rinehart and Winston, New York
9. Lucas R. (1981), Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Masscehustts.
10. Plosser, C. (1989): Understanding Real Business Cycles in Journal of Economic Perspectives.
11. Hall R.E. and J.B. Taylor (1986 & latest edition), Macroeconomics, W.W. Norton, New York.
12. Sheffrin, S.M.(1996), Rational Expectations, Cambridge University Press, Cambridge
13. Taylor, L. (1983), Structuralist Macroeconomics, Basic Books, New Longman.
14. Ahuja H. L., (2019) Macroeconomics Theory and Policy, S. Chand & Company, Dehli.
15. Gupta S. B., (2004), Monetary Economics: Institution , Theory and Ploicy, S. Chand & Company, Dehli.
16. Rana K.C, Verma K. N. (2016) Macro Economic Analysis, Vishal Publishing House, Jalandhar.
17. Mungse, Bhoite, Muthe P. R. , (2010) Advanced Economic Theory, IDOL, Mumbai Unversity , Mumbai (Text Book)
18. देशमुख राम, (2010 )आधुनिक स्थूल अर्थशास्त्र, विद्या प्रकाशन, नागपूर.
19. झांबरे, जी.एन ., स्थूल अर्थशास्त्र, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
20. डॉ. देशपांडे आणि डॉ. देशपांडे (2010) पैशाचे सिद्धांत आणि पैसा विषयक व्यवहार, हिमालया पब्लिशिंग हाऊस, नागपूर.
21. डॉ. पवार सूर्यकांत (2014) स्थूल अर्थशास्त्र, प्रवर्तन पब्लिकेशन, लातूर.
22. राणा के. सी., वर्मा के. एन. (2016) समष्टी आर्थिक विश्लेषण, विशाल पब्लिशिंग कंपनी. जालंदर, दिल्ली. (हिंदी)
23. झिंगन एम. एल. (2003) समष्टी अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)



**Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities Major in Economics*

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECOC552**

**Paper Title : Advanced Macro Economics-II**

**DSC**

**Curriculum Details: (for 4 Credits)**

**Course Pre-requisite:**

There is no Course Pre-requisite as such:

- 1) The course is useful for the students to understand the functional relationship between the large aggregates. In this concern if students have basic conceptual knowledge in micro and macroeconomics will helpful to them.
- 2) If they broadly know the basic differences about micro economic analysis and macro economic analysis methods will helps them to better understanding in the subject.
- 3) Students will gain if they will be able to read a college-level textbook and possess graphing skills.

**Course Objectives:**

3. To facilitate understanding of the basic concepts of Macro Economics
4. To prepare the students to understand the principles of macroeconomic theory.
3. The emphasis will be on thinking like an economist and the course will illustrate how Macroeconomic concepts can be applied to analyze real-life situations.

**Course Outcomes:**

After completion of this course, the students will be able to:

- 1) Understand the concept of money and inflation their consequences.
- 2) Examine the theoretical aspects of demand for money, supply of money and recent development therein.
- 3) Analyse the situation of inflation and understand theoretical modern views on inflation.
- 4) Understand the relationship between inflation and employment.
- 5) Analyse the situation of business cycles, their phases and understand theoretical views on business cycles.
- 6) Understand Income determination in open economy.

**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities** Major in Economics  
 Post Graduate-First Year Programme, Semester-II  
 Paper Code:HECOC552 Paper Title : **Advanced Macro Economics-II**  
**Curriculum Details: (for4Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1Hrs.=60M</b>
<b>1.0</b>	<b>I</b>	<b>Money and Inflation</b>	<b>12</b>
	1.1	Definitions, functions and importance of money	
	1.2	Value of money and its measurement	
	1.3	Meaning, causes and effects of inflation	
	1.4	Anti-inflationary measures, inflation and its social costs	
<b>2.0</b>	<b>II</b>	<b>Demand for Money and Supply of Money</b>	<b>12</b>
	2.1	Classical quantity theory approach to demand for Money (Fisher's equation)	
	2.2	Keynes liquidity preference theory, Baumol's Inventory theoretic approach, Tobin's portfolio selection model	
	2.3	High powered Money and Money Multiplier	
	2.4	Factors determining money supply in India, four concepts of money supply ( $M_1$ , $M_2$ , $M_3$ $M_4$ )	
<b>3.0</b>	<b>III</b>	<b>Theories of Inflation</b>	<b>12</b>
	3.1	Concept of demand pull inflation and cost push inflation	
	3.2	Keynesian theory of Inflation	
	3.3	Relation between inflation and unemployment -The Phillips Curve	
	3.4	Natural rate of unemployment and role of expectation – Friedman's Long run Phillips curve ; Friedman's rational expectation theory, Tobin's Modified Philiips curve	
<b>4.0</b>	<b>IV</b>	<b>Theories of Business Cycle</b>	<b>12</b>
	4.1	Meaning, features and phases of business cycles	
	4.2	Keynesian contribution to the business cycle theory, Samuelson's and Hick's Multiplier and Accelerator business cycle model	
	4.3	Kaldar's and Goodwin's Model of business cycles, Political theory of business cycle	
	4.4	Control of business cycles	
<b>5.1</b>	<b>V</b>	<b>Macroeconomics in an Open Economy</b>	<b>12</b>
	5.1	National income accounting in an open economy	
	5.2	Income determination	
	5.3	Balance of payment and exchange rate	
	5.4	Mundell- Fleming Model under fixed and floating exchange rates	
<b>Total</b>			<b>60</b>



## Recommended Textbooks/References:

1. Ackley G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
2. Baumol W. J. (1952), The Transaction Demand For Cash: An Inventory-Theoretic Approach ,Quarterly Journal of Economics.
3. Branson W.A. (1989), Macroeconomic Theory and Policy, (3rd Ed.), Harper and Row, New York.
4. Dornbusch, R. & Stanley F. (1997 & latest Ed.), Macroeconomics, McGraw Hill, Inc., New York.
5. Patinkin D. (1965), Money, Interest and Prices, Harper and Row, New York.
6. Romer D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
7. Mankiw N. G. , (2015), Macroeconomics, Worth Publishers, New York.
8. Mueller M.G. (1966), Readings in Macroeconomics, Holt Rinehart and Winston, New York
9. Lucas R. (1981), Studies in Business Cycle Theory, M.I.T. Press, Cambridge, Massachusetts.
10. Plosser, C. (1989): Understanding Real Business Cycles in Journal of Economic Perspectives.
11. Hall R.E. and J.B. Taylor (1986 & latest edition), Macroeconomics, W.W. Norton, New York.
12. Sheffrin, S.M.(1996), Rational Expectations, Cambridge University Press, Cambridge
13. Taylor, L. (1983), Structuralist Macroeconomics, Basic Books, New Longman.
14. Ahuja H. L., (2019) Macroeconomics Theory and Policy, S. Chand & Company, Dehli.
15. Gupta S. B., (2004), Monetary Economics: Institution , Theory and Ploicy, S. Chand & Com., Dehli.
16. Rana K.C, Verma K. N. (2016) Macro Economic Analysis, Vishal Publishing House, Jalandhar.
17. Mungse, Bhoite, Muthe P. R. (2010), Advanced Economic Theory, IDOL, Mumbai University , Mumbai (Text Book)
18. देशमुख राम, (2010 )आधुनिक स्थूल अर्थशास्त्र, विद्या प्रकाशन, नागपूर.
19. झांबरे, जी.एन ., स्थूल अर्थशास्त्र, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
20. डॉ. देशपांडे आणि डॉ. देशपांडे (2010) पैशाचे सिद्धांत आणि पैसा विषयक व्यवहार, हिमालया पब्लिशिंग हाऊस, नागपूर.
21. डॉ. मुठ्ठे पी. आर. आणि डॉ. पुपलवाड डी. ए. (संपा.-2017), बँका व वित्त पद्धती, दूरशिक्षण संचालनालय, स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.
22. डॉ. पवार सूर्यकांत (2014) स्थूल अर्थशास्त्र, प्रवर्तन पब्लिकेशन, लातूर.
23. राणा के. सी., वर्मा के. एन. (2016) समष्टी आर्थिक विश्लेषण, विशाल पब्लिशिंग कंपनी. जालंदर, दिल्ली. (हिंदी)
24. झिंगन एम. एल. (2003) समष्टी अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities*** Major in Economics  
Post Graduate-First Year Programme, Semester-I  
**Paper Code:HECOC503 Paper Title : International Economics –I**  
**DSC**  
**Curriculum Details: (for 4 Credits)**

**Course pre-requisite: --**

**Course objectives:**

- 1) To prepare the students to understand the principles of International trade theories.
- 2) The emphasis will be on the study of the impact of the trade policies and its welfare implications.
- 3) To facilitate the understanding of the globalized world and its impact on income, employment and social standards.
- 4) To understand the functional relationship between the domestic markets with the world market.

**Course outcomes:**

After completion of this course students will able to:

- 1) Understand the broad principles and theories, which tend to govern the free flow of trade in goods, services and capital- both short-term and long- term at the global level.
- 2) Understand the intra-industry trade pattern.
- 3) Analyze the measurement of gains from trade and their distribution.
- 4) Understand the concept of terms of trade and their relations to the developing nations.
- 5) Better understood about protectionism policy, effects of trade tariffs, quota and dumping policy etc.

**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities**, Major in Economics  
 Post Graduate-First Year Programme, Semester-I  
**Paper Code: HECOC503 Paper Title : International Economics –I**  
**Curriculum Details: (for 4 Credits)**

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=6M.
<b>1.0</b>		<b>Theories of International Trade</b>	
	<b>1.1</b>	Production possibility frontier, relative demand, supply, prices.	<b>12</b>
	<b>1.2</b>	Ricardian model, Heckschr- Ohlin trade theory; Leontief paradox;	
	<b>1.3</b>	theorem of factor price equalization, Rybzyński effect;	
	<b>1.4</b>	Kenen's Theory of Human capital.	
<b>2.0</b>		<b>Intra-Industry Trade</b>	
	<b>2.1</b>	Intra-industry trade- causes and effects;	<b>12</b>
	<b>2.2</b>	The Brander-Krugman Oligopolistic model of intra industry trade.	
	<b>2.3</b>	The international location of production, firms in the global economy- outsourcing and Multinational enterprises;.	
	<b>2.4</b>	International Labor and Capital Mobility	
<b>3.0</b>		<b>Measurement of Gains</b>	
	<b>3.1</b>	Offer curves,	<b>12</b>
	<b>3.2</b>	Community indifference curve;	
	<b>3.3</b>	Measurement of gains from trade and their distribution;	
	<b>3.4</b>	Foreign trade Multiplier	
<b>4.0</b>		<b>Terms of trade</b>	
	<b>4.1</b>	concept of terms of trade- uses and limitations;	<b>12</b>
	4.2	Hypothesis of secular deterioration of terms of trade	
	4.3	Immiserizing growth.	
	4.4	Trade as an engine of growth.	
<b>5.1</b>		<b>The Theory of Interventions</b>	
	<b>5.1</b>	Economic Effects of tariffs and quotas	<b>12</b>
	<b>5.2</b>	Dumping, the political economy of non-tariff barriers and their implications;	
	<b>5.3</b>	Nominal, effective and optimum rates of tariffs.	
	<b>5.4</b>	Growing protectionism and trade wars in recent years.	
<b>Total</b>			<b>60</b>

## Recommended References :

1. Appleyard A. Field, S.L. Cobb (1992), International Economics, McGraw-Hill Irwin.
2. Bhagwati J. (Ed.) (1981), International Trade, Selected Readings, Cambridge, University Press, Massachusetts.
3. Balassa B. (1962), The Theory of Economic Integration, George Allen & Unwin Ltd., London.
4. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan.
5. Corden W.M. (1974), Trade Policy and Economic Welfare, Clarendon Press, Oxford.
6. Kenen P.B. (1994), The International Economy, Cambridge University Press, London.
7. Kindleberger C.P. (1973), International Economics, R.D. Irwin, Homewood.
8. Krugman P.R. and M. Obstfeld (10<sup>th</sup> Edition), International Economics, Pearson.
9. Roy P.N. (1986), International Trade: Theory and Practice, New Age International Publishers, New Delhi.
10. Salvatore D. (11<sup>th</sup> Edition), International Economics, Trade and Finance, Wiley India.
11. Soderston & Reed (1994), International Economics, The Macmillan Press Ltd., London.
12. Uma Kapila (19<sup>th</sup> Ed.), Indian Economy- Performance and Policies, Academic Foundation, Delhi
13. डॉ. बापट भ.ग. (1998) आंतरराष्ट्रीय व्यापार - सिद्धांत आणि धोरण, मराठी अर्थशास्त्र परिषद - प्रकाशन पाचवे, पुणे.
14. झांबरे, जी. एन. (1999) आंतरराष्ट्रीय अर्थशास्त्र, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
15. डॉ. महाजन धनश्री (2010) आंतरराष्ट्रीय अर्थशास्त्र, विद्या बुक पब्लिशर्स, औरंगाबाद
16. झिंगन एम. एल. (2003) आंतरराष्ट्रीय अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)
17. डॉ. देसाई, डॉ. जोशी, डॉ. भालेराव, (2000) आंतरराष्ट्रीय व्यापार व परकीय चलन, प्रगती बुक्स प्रा. लि. पुणे.



**Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities*

Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code:HECOC553**

**Paper Title : International Economics –II**

**DSC**

**Curriculum Details: (for 4 Credits)**

**Course pre-requisite:-----**

**Course objectives:**

- 1) To prepare the students to understand the principles of International trade theories.
- 2) The emphasis will be on the study of the impact of the trade policies and its welfare implications.
- 3) To facilitate the understanding of the globalized world and its impact on income, employment and social standards.
- 4) To understand the functional relationship between the domestic markets with the world market.

**Course outcomes:**

After completion of this course students will able to:

- 1) Understand Concept, structure and Monetary approach to BoP.
- 2) Understand the effects of exchange rate and terms of trade.
- 3) Know about international Financial Institutions and multilateralism.
- 4) Analyse Regional Blocks and their functions.
- 5) Better understood about recent changes in the directions and composition of India's trade and their implications;.

**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities**, Major in Economics  
 Post Graduate-First Year Programme, Semester-II  
**Paper Code:HECOC553 Paper Title : International Economics –II**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1 Hrs.=60M.</b>
<b>1.0</b>		<b>Balance of Payments (BoP)</b>	<b>12</b>
	1.1	Concept of Balance of Payments	
	1.2	Structure of BoP accounts,	
	1.3	Equilibrium and disequilibrium in the BoP;, expenditure reducing and expenditure switching policies	
	1.4	The Monetary Approach to BoP,	
<b>2.0</b>		<b>The Foreign Exchange Market:</b>	<b>12</b>
	2.1	Concept of foreign exchange – fixed, flexible and floating exchange rates	
	2.2	Spot and forward rates; Interest Arbitrage, Hedging and Speculation;	
	2.3	Effects of exchange rate changes on domestic prices and terms of trade	
	2.4	Mundell- Flemming Model.	
<b>3.0</b>		<b>The International Institutions</b>	<b>12</b>
	3.1	Introduction to Brettonwoods system..	
	3.2	International Monetary Fund (IMF) and its lending operation, Functions of World Bank (WB) and Asian Development Bank(ADB)	
	3.3	Multilateralism and World Trade Organization- TRIPS, TRIMS, Trade in Services,	
	3.4	Doha Round of world trade negotiations; India's stand on various issues in world trade negotiation.	
<b>4.0</b>		<b>Regional Blocks</b>	<b>12</b>
	4.1	Forms of economic co-operation, trade creation and trade diversion,. static and dynamic effects.	
	4.2	Rational and economic progress of SAARC and ASEAN,	
	4.3	Problems in forming of custom union in South Asia.	
	4.4	European Union and BREXIT	
<b>5.1</b>		<b>Trade and Indian Economy</b>	<b>12</b>
	5.1	Overview of India's Foreign Trade;	
	5.2	India's Foreign Trade Policy (FTP) 2023.	
	5.3	Recent changes in the direction and composition of trade and their implications;	
	5.4	Impact of trade reforms on Balance of Payment; India's foreign exchange rate policy and exchange rate management	
<b>Total</b>			<b>60</b>

### **Recommended References :**

1. Appleyard A. Field, S.L. Cobb (1992), International Economics, McGraw-Hill Irwin.
2. Bhagwati J. (Ed.) (1981), International Trade, Selected Readings, Cambridge, University Press, Massachusetts.
3. Balassa B. (1962), The Theory of Economic Integration, George Allen & Unwin Ltd., London.
4. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan.
5. Corden W.M. (1974), Trade Policy and Economic Welfare, Clarendon Press, Oxford.
6. Kenen P.B. (1994), The International Economy, Cambridge University Press, London.
7. Kindleberger C.P. (1973), International Economics, R.D. Irwin, Homewood.
8. Krugman P.R. and M. Obstfeld (10th Edition), International Economics, Pearson.
9. Roy P.N. (1986), International Trade: Theory and Practice, New Age International Publishers, New Delhi.
10. Salvatore D. (11th Edition), International Economics, Trade and Finance, Wiley India.
11. Soderston & Reed (1994), International Economics, The Macmillan Press Ltd., London.
12. Uma Kapila (19th Ed.), Indian Economy- Performance and Policies, Academic Foundation, Delhi
13. डॉ. बापट भ.ग. (1998) आंतरराष्ट्रीय व्यापार - सिद्धांत आणि धोरण, मराठी अर्थशास्त्र परिषद - प्रकाशन पाचवे, पुणे.
14. झांबरे, जी. एन. (1999) आंतरराष्ट्रीय अर्थशास्त्र, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
15. डॉ. महाजन धनश्री (2010) आंतरराष्ट्रीय अर्थशास्त्र, विद्या बुक पब्लिशर्स, औरंगाबाद
16. झिंगन एम. एल. (2003) आंतरराष्ट्रीय अर्थशास्त्र, वृंदा पब्लिकेशन प्रा. लि. दिल्ली. (हिंदी)
17. डॉ. देसाई, डॉ. जोशी, डॉ. भालेराव, (2000) आंतरराष्ट्रीय व्यापार व परकीय चलन, प्रगती बुक्स प्रा. लि.

पुणे



# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-I

**Paper Code:HECOE501 Paper Title : Mathematical Economics –I**

**DSE**

**Curriculum Details: (for 4 Credits)**

## **Prerequisites:**

There are no specific prerequisites for this course, although a basic understanding of mathematics and introductory economics would be beneficial.

## **Course Objectives:**

- 1) To introduce students to the fundamental concepts of calculus and their applications in economic analysis.
- 2) To develop students' skills in solving mathematical problems related to economic theory.
- 3) To enhance students' understanding of consumer behavior and its mathematical representation.
- 4) To provide students with the necessary tools to analyze production functions and producer behavior.
- 5) To introduce students to the cost functions and market structures in economics.
- 6) To equip students with quantitative methods for economic analysis and decision-making.

## **Course Outcomes:**

- 1) Students will be able to apply calculus concepts such as limits, continuity, derivatives, and integrals to economic problems.
- 2) Students will be able to differentiate between different types of functions and understand their properties.
- 3) Students will be able to solve optimization problems in economics using partial derivatives and constrained optimization techniques.
- 4) Students will be able to analyze consumer behavior, demand functions, and utility maximization using mathematical models.
- 5) Students will be able to understand production functions, producer equilibrium, and the concept of economies of scale.



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities, Major in Economics*  
**Post Graduate-First Year Programme, Semester-I**  
**Paper Code:HECOE501 Paper Title : Mathematical Economics –I**  
**Curriculum Details: (for 4 Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the Contents. 1 Hrs.=60 M.</b>
<b>1.0</b>		<b>Basic Calculus and its Applications:</b>	<b>12</b>
	<b>1.1</b>	Variables, constants, and parameters; Sets, limit, and continuity; Sequence and series; Simple functional relationship and their graphs.	
	<b>1.2</b>	Function: Meaning, Concept and Types	
	<b>1.3</b>	Derivatives: Meaning, Concept, Rules of differentiation, partial derivatives, Rules of partial differentiation. Maxima and Minima in single and multivariable functions.	
	<b>1.4</b>	Integration: Meaning, Concept, Rules of integration.	
<b>2.0</b>		<b>Quantitative Methods:</b>	<b>12</b>
	<b>2.1</b>	Matrix: Meaning, Concept, Types,	
	<b>2.2</b>	Algebraic Operations, Determinant of Matrix	
	<b>2.3</b>	Solution of Simultaneous equations using matrix.	
	<b>2.4</b>	Quadratic equations; Difference and differential equations.	
<b>3.0</b>		<b>Theory of Consumer Behaviour:</b>	<b>12</b>
	<b>3.1</b>	Utility: Cardinal and ordinal utility, Demand function, Ordinal utility maximization, Slutsky equation, income, substitution, and price effects.	
	<b>3.2</b>	Elasticity: Meaning, Concept and its applications.	
	<b>3.3</b>	Consumer's surplus Producer's Surplus: Meaning, Concept and its applications, Duality theorem;	
	<b>3.4</b>	Separable and Additive utility function, indirect utility function, linear expenditure system.	
<b>4.0</b>		<b>Theory of Production:</b>	<b>12</b>
	<b>4.1</b>	Production function: Short Run and Long Run, Homogeneous and Nonhomogeneous	
	<b>4.2</b>	Cobb-Douglas production function, CES production function and its properties.	
	<b>4.3</b>	Producer's equilibrium: Constrained optimization of a producer.	
	<b>4.4</b>	Multi-product firm and Production possibility curve, Empirical uses of production function analysis.	
<b>5.0</b>		<b>Theory of Cost and Market Structure:</b>	<b>12</b>
	<b>5.1</b>	Cost function, simple derivation of short run cost function, modern theory of cost, relation between AC and MC in short period.	
	<b>5.2</b>	Market Structure- Types of various markets.	
	<b>5.3</b>	Price and output determination in perfect competition, monopoly, monopolistic competition.	
	<b>5.4</b>	Price and output determination in duopoly, oligopoly, and monopsony; Bilateral monopoly.	
<b>Total:</b>			<b>60</b>

### Recommended Textbooks:

1. Bose D. (2018). An Introduction to Mathematical Economics, Himalya Publishing House Pvt Ltd, Girgaon, Mumbai-400 004.
2. Kaur, N. & Nancy. (2018). Mathematical Applications in Economics. (3<sup>rd</sup> Ed.). Vishal Publishing Co. Jalandhar.
3. Mehta B. C. & Madnani G. M. K.(2007), Mathematics for Economist, Sultan Chand & Sons Educational Publishers, Daryagang, New Delhi-110002.
4. Singh S. P., Parashar A. K. & Singh H. P.(2002). Econometrics and Mathematical Economics, S. Chand & Company Pvt Ltd, Ram Nagar, New Delhi-110 055.
5. Tandon P. (2005). A Textbook of Microeconomic Theory, Sage Publications India Pvt Ltd, Mathura Road, New Delhi-110 044.
6. शेवाळे, आनंद., आणि बेलुरे, विशाल. (२०२२). गणितीय अर्थशास्त्र व अर्थमिती (प्रथम आवृत्ती). विद्या बुक्स पब्लिशर्स, औरंगाबाद.

### Recommended References:

1. Bradeley T. & Patton P. (2018). Essential Mathematics for Economics and Business. Wiley India (P.) Ltd.
2. Chiang A. C. & Wainwright K. (2017). Fundamental Methods of Mathematical Economics (4<sup>th</sup> ed.). McGraw-Hill Education(India) Edition.
3. Dowling E. T. (2011). Schaum's Outline of Introduction to Mathematical Economics. McGraw-Hill Higher Education.
4. Henderson J. M. & Quandt R. E. (2017). Microeconomic Theory: A Mathematical Approach (2<sup>nd</sup> ed.). McGraw-Hill Education (India) Edition.
5. Hoy M., Livernois J., McKenna C., Rees R., & Stengos T. (2018). Mathematics for Economists (4<sup>th</sup> ed.). PHI Learning Private Limited.
6. Jones C. I. (2013). Introduction to Economic Growth. Viva Books.
7. Pemberton M. & Rau N. (2017). Mathematics for Economists. Viva Books.
8. Silberberg E. & Suen W. (2001). The Structure of Economics: A Mathematical Analysis (3<sup>rd</sup> ed.). McGraw-Hill Higher Education.
9. Sydsæter K., Hammond P., Seierstad A., & Strom A. (2016). Essential Mathematics for Economic Analysis (5<sup>th</sup> ed.). Pearson Education Limited.
10. Watson J. (2015). Strategy: An Introduction to Game Theory. Viva Books.



# **Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code:HECOE551**

**Paper Title : Mathematical Economics -II**

**DSE**

**Curriculum Details: (for 4 Credits)**

### **Prerequisites:**

This course requires a strong foundation in basic calculus, introductory economics, and knowledge of algebraic operations. Students should be familiar with concepts such as market equilibrium, macroeconomic systems, growth models, and basic game theory.

### **Course Objectives:**

- 1) To provide students with a comprehensive understanding of market equilibrium models, including single market equilibrium and general equilibrium systems of Walras.
- 2) To analyze the determination of income models and explore input-output analysis in economic systems.
- 3) To examine different growth models, such as the Harrod-Domar model and neoclassical growth models and understand their implications.
- 4) To introduce students to game theory analysis, including the concept of games, pay-off matrices, Nash equilibrium, and the prisoner's dilemma.
- 5) To equip students with the knowledge and skills to formulate and solve linear programming problems.

### **Course Outcomes:**

- 1) Students will be able to analyze and determine market equilibrium conditions in various economic models.
- 2) Students will gain insights into the determination of income models and understand the impact of investment and multipliers in economic systems.
- 3) Students will be able to apply growth models to analyze economic growth and understand the concept of optimal growth.
- 4) Students will gain a deeper understanding of game theory and its applications in economic decision-making.
- 5) Students will be able to formulate and apply linear programming techniques to real-world economic problems and make optimal decisions

# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code:HECOE551      Paper Title : Mathematical Economics -II**

**Curriculum Details: (for 4 Credits)**

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the Contents. 1 Hrs. = 60 M.
<b>1.0</b>		<b>Market Equilibrium:</b>	<b>12</b>
	<b>1.1</b>	Single market equilibrium: One commodity and two commodity model.	
	<b>1.2</b>	Marshallian and Walrasian equilibrium conditions.	
	<b>1.3</b>	Lagged market equilibrium.	
	<b>1.4</b>	Multi-market equilibrium; General equilibrium systems of Walras.	
<b>2.0</b>		<b>Determination of Income Models and Input-Output Analysis:</b>	<b>12</b>
	<b>2.1</b>	Classical and Keynesian macro system, Static and dynamic multiplier; Determinants of investment; Accelerator.	
	<b>2.2</b>	Trade cycle model of Samuelson and Hicks. Consumption Function.	
	<b>2.3</b>	Concept of Input-output analysis; Open and closed systems.	
	<b>2.4</b>	Hawkins-Simon conditions; Leontief's dynamic system.	
<b>3.0</b>		<b>Determination of Growth Models:</b>	<b>12</b>
	<b>3.1</b>	Harrod-Domar growth model.	
	<b>3.2</b>	Neoclassical model of growth; Solow and Meade growth models with technical progress.	
	<b>3.3</b>	Optimal growth; and golden rule of accumulation.	
	<b>3.4</b>	Growth accounting; Endogenous growth.	
<b>4.0</b>		<b>Game Theory Analysis:</b>	<b>12</b>
	<b>4.1</b>	Concept of game; Types of games; Two-person zero-sum game.	
	<b>4.2</b>	Pay-off matrix; Pure and mixed strategy games; Maximin and minimax solutions.	
	<b>4.3</b>	Saddle point solution; non-constant sum game; Prisoner's dilemma.	
	<b>4.4</b>	Concept of Nash Equilibrium.	
<b>5.0</b>		<b>Linear Programming:</b>	<b>12</b>
	<b>5.1</b>	Concept & Formulation of Linear Programming Problem (LPP).	
	<b>5.2</b>	Primal and dual problem.	
	<b>5.3</b>	Simplex method.	
	<b>5.4</b>	Applications of linear programming in economics.	
<b>Total:</b>			<b>60</b>

**Recommended Textbooks:**

1. Bose D. (2018), An Introduction to Mathematical Economics, Himalya Publishing House Pvt Ltd, Girgaon, Mumbai-400 004.
2. Kaur, N. & Nancy. (2018). Mathematical Applications in Economics. (3<sup>rd</sup> Ed.). Vishal Publishing Co. Jalandhar.
3. Mehta B. C. & Madnani G. M. K. (2007). Mathematics for Economist, Sultan Chand & Sons Educational Publishers, Daryagan, New Delhi-110002.
4. Singh S. P., Parashar A. K. & Singh H. P. (2002). Econometrics and Mathematical Economics, S. Chand & Company Pvt Ltd, Ram Nagar, New Delhi-110 055.
5. Tandon P. (2005). A Textbook of Microeconomic Theory, Sage Publications India Pvt Ltd, Mathura Road, New Delhi-110 044.
6. शेवाळे, आनंद., आणि बेलुरे, विशाल. (२०२२). गणितीय अर्थशास्त्र व अर्थमिती (प्रथम आवृत्ती). विद्या बुक्स पब्लिशर्स, औरंगाबाद.

**Recommended References:**

1. Bradeley T. & Patton P. (2018). Essential Mathematics for Economics and Business. Wiley India (P.) Ltd.
2. Chiang A. C. & Wainwright K. (2017). Fundamental Methods of Mathematical Economics (4<sup>th</sup> ed.). McGraw-Hill Education(India) Edition.
3. Dowling E. T. (2011). Schaum's Outline of Introduction to Mathematical Economics. McGraw-Hill Higher Education.
4. Henderson J. M. & Quandt R. E. (2017). Microeconomic Theory: A Mathematical Approach (2<sup>nd</sup> ed.). McGraw-Hill Education (India) Edition.
5. Hoy M., Livernois J., McKenna C., Rees R., & Stengos T. (2018). Mathematics for Economists (4<sup>th</sup> ed.). PHI Learning Private Limited.
6. Jones C. I. (2013). Introduction to Economic Growth. Viva Books.
7. Pemberton M. & Rau N. (2017). Mathematics for Economists. Viva Books.
8. Silberberg E. & Suen W. (2001). The Structure of Economics: A Mathematical Analysis (3<sup>rd</sup> ed.). McGraw-Hill Higher Education.
9. Sydsæter K., Hammond P., Seierstad A., & Strom A. (2016). Essential Mathematics for Economic Analysis (5th ed.). Pearson Education Limited.
10. Watson J. (2015). Strategy: An Introduction to Game Theory. Viva Books.



# **Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECO502 Paper Title : Environmental Economics**

**DSE**

**Curriculum Details: (for 4 Credits)**

**Course pre-requisite: ----**

## **Course objectives:**

- 1) Comprehend the basic concepts and definitions in Environmental Economics;
- 2) Learn to appreciate the relationship between environment and development;
- 3) To learn to use of main stream economics to environmental issues;
- 4) Relate the environment with the present developmental needs and beyond;
- 5) To understand the Method's and Instrument's of environmental valuation.

## **Course Outcomes:**

- 1) On the completion of this course, the students will have an understanding the importance of environment in economic development and need for Environmental policy;
- 2) This course is also useful in understanding the dynamics of Environment, People and Sustainable Development;
- 3) The students will have illustrate and examine issues in the contemporary environmental discourse from an economics point of view.

**Swami Ramanand Teerth Marathwada University, Nanded**

**Faculty of Humanities Major in Economics**

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECO502 Paper Title : Environmental Economics**

**Curriculum Details: (for 4 Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1 Hrs.=60 M.</b>
<b>1.0</b>		<b>Introduction to Environmental Economics</b>	
	<b>1.1</b>	Definition, Need, Nature and Scope of Environmental Economics	<b>12</b>
	<b>1.2</b>	Relation between Environmental Economics and Economics	
	<b>1.3</b>	Ayres-Kneese's material balance model, Ecological Economics	
	<b>1.4</b>	Economy and the Environment Interactions: Elements of Ecology, Ecosystem Cycles, Carrying Capacity, Ecological Footprint	
<b>2.0</b>		<b>Market failure and Externalities</b>	
	<b>2.1</b>	Efficiency of markets: Efficiency and competitive markets, Market failure -public bad and externalities	<b>12</b>
	<b>2.2</b>	Environmental regulation tools -direct and indirect-pollution fees, emission trading rights, taxes on inputs/outputs of polluting activities,	
	<b>2.3</b>	Environmental regulation tools -subsidies for adopting cleaner technologies, effluent treatment plants, deposit refund system	
	<b>2.4</b>	Property rights and Coase theorem	
<b>3.0</b>		<b>Environmental Valuation and Instruments</b>	
	<b>3.1</b>	Environmental valuation- Need, concept of total economic value, cost-benefit analysis, cost effectiveness analysis	<b>12</b>
	<b>3.2</b>	Methods of economic valuation of environment (concepts)- methods based on market prices-change in productivity technique, change in income technique, replacement technique, preventive technique, relocation technique	
	<b>3.3</b>	Surrogate method- travel cost and hedonic, simulated method or survey method-contingent valuation method	
	<b>3.4</b>	Limitation of environmental valuation	
<b>4.0</b>		<b>Sustainable Development</b>	
	<b>4.1</b>	Sustainable development - Concept, measurement and indicators	<b>12</b>
	<b>4.2</b>	Obstacles to sustainable development, Development and environmental issue, Sustainable agriculture	
	<b>4.3</b>	Kuznets curve	
	<b>4.4</b>	Reduce, Recycle and Reuse; Techno centric solutions.	
<b>5.1</b>		<b>Environmental Issues</b>	
	<b>5.1</b>	The Quality of Environment and regulation	

	<b>5.2</b>	Environment legislation in India.	<b>12</b>
	<b>5.3</b>	International environmental issues –ozone depletion, global warming and climate change, bio diversity loss, endangered species, desertification, international trade issue	
	<b>5.4</b>	International environmental issues –international cooperation	
<b>Total</b>			<b>60</b>

### Recommended Text books and References :

1. Bhattacharya N. R. (2001), Environmental Economics- An Indian Perspective. Oxford University Press, Delhi.
2. Dasgupta P.(2001), Human Well-Being and the Natural Environment OUP.
3. Hussen A. (2000), Principles of Environmental Economics (Economics, ecology and public Policy) Routledge London and New York.
4. Hussen A. M. (2013), Principles of Environmental Economics and Sustainability-An integrated economic and ecological approach Third Edition Routledge London and New York.
5. Jain, Khanna,Batra, Bhatia (2009), Development and Environmental Economics and International Trade,VK Publications, New Delhi.
6. Jhingan M.L. (1973), the Economic of Development and Planning, Vikas Publishing House, New Delhi.
7. Jhingan M. L., Sharma C. K. (2009), Environmental Economics : Theory, Management and Policy, 2nd Ed, Vrinda Publications, Delhi.
8. Kolstad C. D. (2019) Environmental Economics. Oxford University Press, Delhi.
9. Molly Scott Cato (2011), Environment and Economy Routledge Introduction to Environment Series Routledge London and New York.
10. Muthukrishnan S. (2015) Economics of Environment, Prentice Hall India Pvt ltd.
11. Schumpeter J.A. (1934), The Theory of Economic Development, Harvard University Press Cambridge.
12. Sengupta R.(2004), Ecology and Economics: An Approach to Sustainable Development OUP.
13. Shogren J. Hanley N. and White B. (2013), Introduction to Environmental Economics, 2nd Ed, Oxford: Oxford University Press.
14. [https://en.wikipedia.org/wiki/Sustainable\\_agriculture](https://en.wikipedia.org/wiki/Sustainable_agriculture)
15. <https://www.sciencedirect.com/journal/ecological-economics>
16. कविमंडन विजय (२०१२), कृषी व ग्रामीण अर्थशास्त्र, मंगेश प्रकाशन, नागपूर.
17. इंगळे बी. डी.(२०१५) विकास आणि पर्यावरणीय अर्थशास्त्र, अरुणा प्रकाशन, लातूर.
18. पाटील एस. डी., अहेर अ. (२०२२), पर्यावरणीय अर्थशास्त्र, संचालक दूर आणि मुक्त अध्ययन संस्था. मुंबई विद्यापीठ, विद्यानगरी मुंबई.
19. भोंग, दांगट,पाटील (२०१४), अर्थशास्त्र- पर्यावरणाचे अर्थशास्त्र, सक्सेस पब्लिकेशन्स,पुणे.





# **Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECO552**

**Paper Title : Economics of Population**

**DSE**

**Curriculum Details: (for 4 Credits)**

## **Course Pre-requisite:**

There is no course pre-requisite as such, Students might know the basic concepts regarding to the Population Studies .The students should know about the importance of population in economic development.

## **Course Objectives:**

- 1) To make them aware about the inter-relationship between economic development and population
- 2) To familiarize them with the theories of population.
- 3) Identify the various sources of data in Demography;
- 4) Relate the history of population growth to the present day structure and composition of population.

## **Course Outcomes:**

- 1) Acquainted with the basic concept of Population and Development
- 2) Students can able to understand demographic profile of India.
- 3) Be able to analyze and related the theories of population with the real world .
- 4) Be able to understand population growth , distribution and urbanization trends.
- 5) Understand population analyzing techniques and population control policies.

# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECO552 Paper Title : Economics of Population**

**Curriculum Details: (for 4 Credits)**

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1Hrs.=60M
<b>1.0</b>	<b>I</b>	<b>Introduction of Demography</b>	<b>12</b>
	<b>1.1</b>	Demography- Meaning, Scope and significance, Relationship with other sciences,	
	<b>1.2</b>	The demographic dividend and its implications.	
	<b>1.3</b>	Basic concepts of Demography- Population Pyramid, Density of Population ratio, demographic dividend	
	<b>1.4</b>	Population Growth and Population Trap, Salient features of Indian Population (as per census of 2011)	
<b>2.0</b>	<b>II</b>	<b>Theories of population</b>	<b>12</b>
	<b>2.1</b>	Malthusian theory of population	
	<b>2.2</b>	Optimum theory of population	
	<b>2.3</b>	Social Theories: Dumont's theory of social capillarity	
	<b>2.4</b>	Theory of Demographic transition	
<b>3.0</b>	<b>III</b>	<b>Population and Development</b>	<b>12</b>
	<b>3.1</b>	Simple and Compound growth of population ,International aspects of population growth and distribution	
	<b>3.2</b>	Temporary, internal and international migration	
	<b>3.3</b>	Trends in urbanization in developing countries	
	<b>3.4</b>	Recent status of urbanization in Maharashtra	
<b>4.0</b>	<b>IV</b>	<b>Techniques of Analysis</b>	<b>12</b>
	<b>4.1</b>	Crude birth rate and death rate, Age specific birth rate and death rate	
	4.2	standardized birth rate and death rate, Net reproduction rate with special reference to India.	
	4.3	Study of fertility – total fertility rate, gross reproduction rate and net reproduction rate.	
	4.4	Life table-Concepts, Assumptions, Construction and uses. ; Concepts of stable population; Methods of population projection.	
5.1	<b>V</b>	<b>Population Policy in India</b>	<b>12</b>
	<b>5.1</b>	Population Education in India.	
	<b>5.2</b>	Evaluation of population policy in India, Population Control measures in India	
	<b>5.3</b>	Recent Population policy of India (i.e. NPP 2000)	
	<b>5.4</b>	Family Planning – Meaning, importance and methods of family planning.	
<b>Total</b>			<b>60</b>

### **Recommended Textbooks/References:**

1. Ahirrao-Alizad-Dapte-Varat-Bhose (2001) – ‘Loksankhya’ – Nirali Publication, Pune
2. Bhende, Asha A. and Kanitkar, Tara. 1993: Principles of Population Studies, Himalaya Publishing House, Mumbai
3. Jhingan M.L.,Bhatt B.K.,Desai J.N.,2016,3<sup>rd</sup> Edition, Demography, Vrinda Publication
4. Choubey P. K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
5. Datt Gaurav , Mahajan Ashwani, 2020 Indian Economy, 72nd Edition, S Chand and Company Ltd,New Dehi.
6. Gulati S. C. (1988), Fertility in India: An Econometric Study of a Metropolis,Sage, New Delhi.
7. Henry Louis, Population Analysis and Model: London, Edward Arnold Hinde Andrew, Demographic Methods: London, Arnold
8. Monica Das Gupta, L C Chen and T N Krishnan (Editors) “Epidemiologic and morbidity transition” in the book Health, Poverty and Development in India
9. Simon J. L. (1992), Population and Development in Poor Countries, Princeton University Press.
10. Srinivasan K. (1998), Basic Demographic Techniques and Applications, Sage,New Delhi.
11. Srinivasan K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Del
12. कानेटकर , कुलकर्णी (19 79), लोकसंख्याशास्त्र , श्री विद्या प्रकाशन, पुणे.
13. डॉ. कुलकर्णी अविनाश (2021) लोकसंख्या शास्त्र, डायमंड पब्लिकेशन, पुणे.
14. डॉ. जयप्रकाश मिश्रा (2021) जनांकिकी, साहित्य भवन पब्लिकेशन, आग्रा. ( हिंदी )



**Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-I

**Paper Code: HECOR501**

**Paper Title : Research Methodology in Economics**

**RM**

**Curriculum Details: (for 4 Credits)**

**Course pre-requisite:**

- 1) Students should know the importance research.
- 2) Students should have the interest in socio-economic problems solving.
- 3) Students should know basic statistical tools.

**Course objectives:**

- 1) To develop the research skill among student with understanding of the basic research knowledge.
- 2) To learn different methods of data collection and interpretation.
- 3) To understand how to do good research and report writing good research.

**Course outcomes:**

- 1) With complete of this course student will able to select research problem.
- 2) They will able to use different methods of data collection.
- 3) They will able to organize and analysis the data.
- 4) Students will able to carry out good research and report writing.

**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities** Major in Economics  
 Post Graduate-First Year Programme, Semester-I  
**Paper Code: HECOR501 Paper Title : Research Methodology in Economics**  
**Curriculum Details: (for 4 Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of Topic</b>	<b>Hrs. Required to cover the contents 1 Hrs.=60 M.</b>
<b>1.0</b>		<b>Foundation of research</b>	
	<b>1.1</b>	Scientific research: meaning, nature and elements of scientific research	<b>12</b>
	<b>1.2</b>	Social Research: meaning, features and significance of social research	
	<b>1.3</b>	Research in Economics: meaning, scope and importance	
	<b>1.4</b>	Types of research: Descriptive and Analytical research, Fundamental and Applied research, Qualitative and Quantitative research, Conceptual and Empirical research	
<b>2.0</b>		<b>Formulation of Research</b>	
	<b>2.1</b>	Selection of Research problem: Meaning and factors involved in research problem	<b>12</b>
	<b>2.2</b>	Objectives and review of research literature : Meaning and elements	
	<b>2.3</b>	Use of statistical tools in research: Meaning and factors involved in statistical tools.	
	<b>2.4</b>	Research Design: meaning, elements and types	
<b>3.0</b>		<b>Collection Data</b>	
	<b>3.1</b>	Census and Sampling method of data collection- Meaning, Merits and Demerits	<b>12</b>
	<b>3.2</b>	Sampling -Random and Non-random	
	<b>3.3</b>	Primary data: Meaning, Primary data collection method's, merits and demerits of primary data.	
	<b>3.4</b>	Secondary data: meaning, Secondary data sources, merits and demerits of secondary data.	
<b>4.0</b>		<b>Analysis and Interpretation of data</b>	
	<b>4.1</b>	Classification of data: meaning and types	<b>12</b>
	<b>4.2</b>	Tabulation of data: meaning, parts of the table and importance	
	<b>4.3</b>	Editing of data: meaning and importance	
	<b>4.4</b>	Interpretation of data: meaning significance and limitations	
<b>5.1</b>		<b>Testing of hypothesis and Report Writing</b>	
	<b>5.1</b>	Testing of hypothesis: Meaning, steps and Statistical Techniques (tests) of hypothesis testing	<b>12</b>
	<b>5.2</b>	Report writing: meaning and elements	
	<b>5.3</b>	Findings, footnote and Bibliography: Meaning and elements	
	<b>5.4</b>	Significance of computer in research	
<b>Total</b>			<b>60</b>

### **Recommended Textbook and References :**

- 1) Broota, K. D. (1989): Experimental Design in Behavioural Research: New Delhi- Wiley Eastern Ltd.
- 2) Gosh B.N.(199.– Scientific Method and Social Research – Sterling Publishers (P) Ltd.,
- 3) Goode J. and Hatt P.J. (1969). Methods in Social Research : New York McGrawHill.
- 4) Goard Rameson and Martin Skitmore. (2006), Writing Research Report : New Delhi- Anmol Publications Pvt. Ltd.
- 5) Gupta S. P., (1984), Statistical Methods: New Delhi-Sultan Chand and Sons.
- 6) Gupta S.C. and V.K. Kapoor (1993) Fundamentals of Applied Statistics: New Delhi- S. Chand and Sons
- 7) Kothari- C.R. Research Methodology (1988), Methods and Techniques : New Delhi, Willey Eastern Ltd.,
- 8) Lundberg, George A.: Social Research, Long mans: New Delhi-Green and Co.,
- 9) Mukherjee P.N. (eds.), 2000, Methodology in Social Research,:New Delhi - Sage (Introduction)
- 10)Sadhu A.N. and Amarjit Singh, Research Methodology and Social sciences: New Delhi –Himalaya Publishing House.
- 11)Singh, A. K. (2006): Tests Measurement & Research Methods in Behavioural Science: (5th Ed): Patna - Bharti Bhavan.
- 12) Thanulingom, N. (2000), Research Methodology: New Delhi.-Himalaya Publishing House .
- 13) आगलावे प्रदीप ( २००० ), संशोधन पद्धतीशास्त्र व तत्र , विद्या प्रकाशन, नागपूर
- 14) बोधनकर, अलोनी, कुलकर्णी (२०१८), समाजिक संशोधन पद्धती, (आठवी आवृत्ती) श्री साईनाथ प्रकाशन, नागपूर.
- 15) भोसले, काटे, अर्थशास्त्रातील संशोधन पद्धती , फडके प्रकाशन, कोल्हापूर
- 16)कुलकर्णी, ढमढेरे, अर्थशास्त्र संशोधन पद्धती, डायमंड पब्लिकेशन, पुणे.
- 17) वावरे, इप्पर, वावरे (२०२२), अर्थशास्त्रातील संशोधन पद्धती, एज्युकेशनल पब्लिशर्स, औरंगाबाद.
- 18) पाटील व्ही. बी.(१९९८) शंशोधन पद्धती, मंगेश प्रकाशन, नागपूर



# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECOF551    Paper Title : Field Project**

**FP**

**Curriculum Details: (for 4 Credits)**

## ➤ **General Guidelines for Field Project:**

This paper includes field based activities for four credits that includes **case studies** related to economic issues of an individual or institutions i.e. making of a village economic profile , slum profile, any community profile, reporting of the industrial/firm visit etc. All these activities will be done under the guidance of teaching faculty. At the end of semester student has to submit case study report, village/slum/community profile in given format and the report of individual visit for its evaluation. The students have to give oral presentation on each task assigned to them as an internal evaluation.

### **Prerequisite:**

- 1) Adequate theoretical knowledge
- 2) Proficiency in research method
- 3) strong willingness in field activities

### **Objectives of the field project:**

- 1) Provide student with practical experience in applying economic theories and concepts in real world scenarios.
- 2) Develop and promote student skills in data collection, analysis and interpretation within a professional setting.
- 3) Foster critical thinking and problem solving abilities amongst students.
- 4) Enhance students understanding of the relationship between economic theory and its practical applications.
- 5) Enable students to gain exposure, to various economic sectors and Industries thereby broadening their knowledge base.

### **Outcome of this course:**

After completion of this course students will be able to :

- 1) Gain hands on experience in conducting economic research, data analysis and interpretation using economic tools and software's.
- 2) Apply economic theories, models and, methodologies to analyse real world economic problems and propose concern remedies.
- 3) Improve their communication, team work and project management skills through interactions with professionals and stakeholders in the field.
- 4) Gain insights into different sectors and industries, expanding their understanding of economic dynamics in various contexts.

# Swami Ramanand Teerth Marathwada University, Nanded

*Faculty of Humanities* Major in Economics

Post Graduate-First Year Programme, Semester-II

**Paper Code: HECOF551 Paper Title : Field Project**

## **FP**

### **Curriculum Details: (for 4 Credits)**

#### **1. Orientation/ Observation Visit (Any One)**

**1 Credit/25 Marks**

- ✓ Any Bank visits
- ✓ Any Agro based Industries
- ✓ Any Small Scale Industries.
- ✓ Any Service Firm Visit i.e.Hotel, School, tourist place etc.
- ✓ Grain Market (Adat)
- ✓ Fruit Market.
- ✓ Zilha Parishad
- ✓ Panchayat Samiti
- ✓ Gram Panchayat
- ✓ N.G.O.
- ✓ Any other visit relevant to Economics studies.

(Students have to submit detail report on it. *10-15 pages*)

#### **2. Documentation of a Case Study**

**1 Credit/25 Marks**

- ✓ Women's Self Help Group
- ✓ Street Sellers.
- ✓ Cottage Industries
- ✓ Daily Wages Worker's .
- ✓ Child laborer
- ✓ Fruit Seller.
- ✓ Any Retail Shop
- ✓ Digital Bank Service Provider.
- ✓ Individual case Study
- ✓ Any other study relevant to Economics.

(Students have to submit detail report on it. *10-15 pages*)

#### **3. Documentation of Economic Profile of Village / Slum / Any Community.**

**1 Credit/25 Marks**

(Students have to submit detail report on it. *10-15 pages*)

#### **4. Overall Presentation and Viva- Voce**

**1 Credit/25 Marks**