

**DEPARTMENT OF ECONOMICS  
ABDUL WALI KHAN UNIVERSITY MARDAN**



**BS DEVELOPMENT STUDIES**

**4 years- 8 Semesters**

## **BS Development Studies**

Pakistan is experiencing multi-faceted development problems. This course seeks to understand the social and economic changes worldwide, and in Pakistan, that can offer more prosperous, healthy and fulfilling lives for all. The program of development studies will provide the required training for understanding a wide variety of social issues, their causes and consequences. This includes the examination of the inter-connection between economic development / Growth and social and political issues like poverty, democratization, governance, human rights, gender equality, environmental issues, as well as the role of international organizations such as the World Bank, the United Nations and the World Trade Organization. More so, the course explores political themes such as the role of the state, civil society, armed conflict and humanitarian assistance. As such, the course aims to provide a useful and interesting introduction to the politics and policies of international development. Thus, developing appropriate strategies and policy for a more equitable and sustainable future.

### **Program learning outcomes**

Following are the program learning outcomes. The BS development studies should able the students to:

1. Understand and critically analyze development issues.
2. Apply economic and development theories for logical, critical and creative analysis of development issues
3. Independently employ statistical and econometric techniques in collecting, interpreting, organizing and analyzing data in the analysis of economic and development issues.
4. Have high written and oral communication and presentation skills and has the ability to engage in constructive public and professional discourse in policy contexts.
5. Have the capacity to be engaged, responsible, sensitive and effective world citizen.

## HEC GUIDELINES FOR BS DEVELOPMENT STUDIES (4-YEARS) PROGRAM

<b>DIVISION OF COURSES</b>		
<b>1. For All Disciplines of BS Development Studies (4 Years Degree Program):</b>	<b>Courses</b>	<b>Credit Hours</b>
Compulsory Courses (with no choice):	9*	25
General Courses (diversification courses):	8	24
<b>Common Courses For all BS Disciplines:</b>	<b>17</b>	<b>49</b>
<b>2. Specific Courses for BS Development Studies (4 Years Degree Program):</b>	<b>Courses</b>	<b>Credit Hours</b>
Foundation Courses:	8	24
Major Courses:	11 - 15	33 – 45
Optional Courses:	4 – 8	12 - 24
<b>Discipline Specific Courses For BS:</b>	<b>27</b>	<b>81</b>
<b>Total Courses for BS DEVELOPMENT STUDIES 4-Years Degree Program</b>	<b>44</b>	<b>130</b>

<b>Compulsory Courses (with no choice): 9</b>		
English I (Functional English)	English-II (Communication Skills)	English III (Technical Studies)
Introduction to Information and Communication Technology	English IV (Academic Reading and Writing)	Pakistan Studies
Intermediate Mathematics	Basic Mathematics	

<b>General Courses (Diversification): 8</b>	
Introduction to Sociology	Introduction to Geography
Principles of Political Science	Principles of Psychology
Introduction to Anthropology	Introduction to Philosophy
Principles of Management	Introduction to Logic

<b>Foundation Courses: 9</b>	
Principles of Microeconomics	Intermediate Microeconomics
Principles of Macroeconomics	Intermediate Macroeconomics
Statistics – I	Statistics – II
Development Economics	Econometrics
Theories of Economic Development	

<b>Major Courses: 12</b>	
Micro Perspective of Economic Development	Research Methodology
Macro Perspective of Economic Development	Poverty and Income Distribution
History of Economic Thought	International Finance and Development
Economic Growth	Political Economy
Development Policy	Conflict, Security and Development
Public Finance and Devolution	Institutional Economics

<b>Optional Courses: 6</b>	
Natural Resource Economics	
Gender Studies	
Urban Development	
Rural Development	
Civil Society and Development	
Research Project	
<b>Other options available:</b>	
Population Economics	
Labor Economics	
Energy Economics	
Issues in World Economy	
Issues in Pakistan economy	
International economics	
Energy Economics	
Trade and Development	
Environmental Economics	
Economics of Climate Change	
Economics of Happiness and Wellbeing	
Transport Economics	
Health Economics	
World Economic History	

*Note: University has option to expand the list of optional courses.*

## SEMESTER WISE SPLIT UP OF COURSES

### BS DEVELOPMENT STUDIES (4-YEAR)

Semester	Course Code	Subject	Credit Hours	Type
First Semester (Credit Hours:17)	Eng-301	English-I (Functional English)	3	Compulsory
	Econ-301	Principles of Microeconomics	3	Foundation
	ISL-301	Islamic Studies / Ethics	2	Compulsory
	Econ-141	Basic Mathematics	3	Compulsory
	Pol-351	Introduction to Political Science	3	Other
	Soc-301	Introduction to Sociology	3	Other
Second Semester (Credit Hours:17)	Eng-351	English-II (Communication Skills)	3	Compulsory
	PS-351	Pakistan Studies	2	Compulsory
	Econ- 351	Principles of Macroeconomics	3	Foundation
	Econ-403	Statistics – I	3	Foundation
	Phy-416	Introduction to Geography	3	Other
	Soc-351	Social Anthropology	3	Other
Third Semester (Credit Hours:18)	Eng-401	English-III (Technical Writing)	3	Compulsory
	Econ-401	Intermediate Microeconomics	3	Foundation
	CS-301	Introduction to Information and Communication Technology	3	Compulsory
	Econ-241	Intermediate Mathematics	3	Compulsory
	Mgt-351	Principles of Management	3	Other
	Phpy-352	Introduction to Philosophy	3	Other
Fourth Semester (Credit Hours:18)	Eng-453	English-IV (Academic Reading and Writing)	3	Compulsory
	Econ-451	Intermediate Macroeconomics	3	Foundation
	Econ-452	Statistics – II	3	Foundation
	Econ-454	Development Economics	3	Foundation
	Phpy-351	Logic and Critical Thinking	3	Other
	Psy-311	Introduction to Psychology	3	Other
Fifth Semester (Credit Hours:15)	Dev-501	Micro Perspective of Economic Development	3	Major
	Dev-502	Macro Perspective of Economic Development	3	Major
	Econ-603	History of Economic Thought	3	Major
	Dev-503	Theories of Economic Development	3	Foundation
	Econ-502/552	Econometrics	3	Foundation
Sixth Semester (Credit Hours:15)	Dev-551	Economic Growth	3	Major
	Dev-552	Development Policy	3	Major
	Econ-601	Public Finance	3	Major
	Econ-453	Natural Resource Economics	3	Elective
	Econ- 602	Research Methodology	3	Major
Seventh Semester	Dev601	Poverty and Income Distribution	3	Major
	Dev-602	Gender Studies	3	Elective

(Credit Hours:18)	Dev-603	Political Economy	3	Major
	Dev-604	Institutional Economics	3	Major
	Dev-605	Urban Development	3	Elective
	Dev-606	Rural Development	3	Elective
Eighth Semester (Credit Hours:12)	Dev-651	Conflict, Security and Development	3	Major
	Dev-652	International Finance and Development	3	Major
	Dev-653	Civil Society and Development	3	Elective
	Dev-654	Research Project	3	Elective

Total Credit Hours: 130

### **ELIGIBILITY CRITERIA**

F.Sc./FA or equivalent. At least 2<sup>nd</sup> division (45% marks)

## English 1 (Functional)

Course Code: ENG-301

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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### COURSE DESCRIPTION

This course introduces the students with the basic grammatical / structural rules of English Language. It will help the students in improving their basic language skills to an optimum level so as to enable them to communicate effectively in English language through proper usage of vocabulary & knowledge of English grammar. Students will be familiarized with the technical methods of reading / comprehension and will be exposed to different reading materials, which will help them in improving their vocabulary, grammar and sentence structure etc. The experience of this course will also help them to overcome those problems due to which they are unable to express themselves properly.

### COURSE CONTENTS

Vocabulary (Frequently confused / misused words, Phrases, synonyms, antonyms, idioms & General vocabulary), Practical Use of Grammar (Nouns, Pronouns, Verbs, Adjectives, Adverbs, Prepositions, Conjunctions, Articles, Interjections & Tenses), Sentences (Types of sentences, Parts of sentences, Direct and Indirect Speech, Active & Passive Voice & Conditional Sentences), Composition + Summarization (Describing, Narrating, Argumentation, Short / long Composition, Comprehension + Précis writing).

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

## **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

## **III. Internals (20%)**

**Internal marks comprises of the following**

### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. High School English Grammar & Composition by Wren and Martin.
2. Practical English Grammar by A.J. Thomson &A.V. Martinet. Exercises 1 & 2. 3<sup>rd</sup> edition. Oxford University Press.
3. Writing. Intermediate by Marie-Christine Boutin, Suzanne Brinand& Francoise Grellet. Oxford Supplementary Skills. 4<sup>th</sup> Impression 1993.
4. Reading. Upper Intermediate. Brian Tomilson& Rod Ellis. Oxford Supplementary Skills. 3<sup>rd</sup> Impression 1992.

### **Supplementary study material:**

1. Précis writing by R. Dhillon.
2. Systems Student Companion English for lower secondary schools by Magdalene Chew &Surinder Kaur.
3. Learners Companion Series Vocabulary by George Davidson.
4. Word Power Made Easy by Norman Lewis.
5. Understand & Communicate {book 2 and published by FEP International (Pvt.) Ltd}.
6. Concepts (book 3 and 4) by P.C. Wren.



## PRINCIPLES OF MICROECONOMICS

**Course Code: Econ-301**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION**

Principles of Microeconomics is an introductory undergraduate course that teaches the fundamentals of microeconomics. This course introduces microeconomic concepts, supply and demand analysis, theories of the firm and individual behavior, competition and monopoly. Students will also be introduced to the use of microeconomic applications to address problems in current economic policy throughout the semester. The course will rely heavily on graphical analysis and simple numerical calculations.

### **COURSE OBJECTIVES**

By the end of the course, students will be able to understand introductory microeconomic theory, solve basic microeconomic problems, and use these techniques to think about a number of basic policy questions relevant to the operation of the economy. More specifically, this course aims:

- To develop an understanding of introductory microeconomic theory and its relevance to the real world
- To sharpen the problem solving tactics required to solve basic microeconomic problems
- To give a broader implications of microeconomics principles and their applications
- To train the students to work with others as a part of team to solve problems

### **COURSE LEARNING OUTCOMES**

After completing this course, students should have developed a range of skills enabling them to understand economic concepts and use those concepts to analyze specific questions. By the end of this course, students should be able to:

- Understand consumer and firm behavior
- Apply graphical analysis for a variety of economic situations.
- Calculate and Interpret elasticities
- Define and derive short-run and long-run production costs
- Explain various market structures

## COURSE CONTENT

### 1. Introduction

- The Economic Problem
- Economic Decision Makers
- The Circular Flow Model
- Distinction Between Microeconomics and Macroeconomics
- The Market System

### 2. Demand & Supply:

- Demand, Demand Function, Demand Curve, Engel Curve, Changes in Demand, Law of Demand, Shift in Demand, Factors Affecting Demand, Consumer Surplus
- Supply, Supply Function, Supply Curve, Changes in Supply, Factors Affecting Supply, Law of Supply, Producer Surplus
- Equilibrium of Demand and Supply, Market Equilibrium, Price Controls, Taxes and Subsidies

### 3. Elasticity of Demand & Supply:

- Price Elasticity of Demand & Supply
- Point Elasticity of Demand & Supply
- Arc Elasticity of demand & Supply
- Income Elasticity of Demand & Supply
- Cross Elasticity of demand & Supply

### 4. Consumer Behavior:

- Utility Analysis (Cardinal Approach), Marginal Utility
- Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility, Consumer Equilibrium
- Ordinal Approach of Consumer Behavior, Indifference Curves, Features of Indifference Curves, Budget Line, Consumer Equilibrium, Comparison between two approaches

### 5. The Theory of production & Theory of Cost:

- Cost of Production, Short Period and Long Period Analysis
- Economies of Scale, Elasticity of Cost, Graphical Representation of Long Run Cost
- Production, Factors of Production, Production Function, Short Period Production Relations, Total, Average and Marginal Product, Elasticity of Production
- Laws of Returns to Scale
- Duality Between Production and Cost of Production

### 6. Market Structure:

- Basics of Perfect Competition, Monopoly, Monopolistic Competition and Oligopoly
- Different Possibilities of Short Run firm Equilibrium under Perfect Competition
- Profit Maximization in Short-run and long-run under Perfect Competition
- Supply Curve of Perfectly Competitive Firm under Short and Long Run
- Short run and Long run Equilibrium under Monopoly

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### II. Final Examination (60%)

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### III. Internals (20%)

**Internal marks comprises of the following**

#### a. Quizzes

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### b. Project/ Topic / Case Study Presentation

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## QUALITY ASSURANCE

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

## Text and Reference Books:

- Michael J. Swann, William A. McEachern *Microeconomics: A Contemporary Introduction*, 3<sup>rd</sup> edition (or latest available)
- Mankiw N. Gregory, *Principles of Microeconomics* 7<sup>th</sup> edition (or latest available).



## Islamic Studies

Course Code: ISL-301

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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### COURSE DESCRIPTION AND OBJECTIVES

This course is aimed:

1. to provide Basic information about Islamic Studies
2. to enhance understanding of the learners regarding Islamic Civilization
3. to enhance the skill of the learners to understand issues related to faith and religious life.

### COURSE CONTENTS

**Quranic Verses:** Translation and Explanation: Selected from various Sections of Quran Relating to different issues like Salat, Zakat, Ramadan, Tuheed etc.

**Ahadis:** Translation and Explanation: Selected Ahadis relating to different issues like, Haqooq- ul- Habad, Jihad, Husn-e- Ikhlatac

**Life of the Prophet (PBUH):** Various incidents and battles taken from the life of the Holy Prophet. (PBUH)

**Islamic Culture and Civilization:** Islamic Culture and Civilization through History, its development, achievements etc.

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

## **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

## **III. Internals (20%)**

**Internal marks comprises of the following**

### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

## **Text and Reference Books:**

- 1) Hameed ullah Muhammad, "Emergence of Islam" , IRI, Islamabad
- 2) Hameed ullah Muhammad, "Muslim Conduct of State"
- 3) Hameed ullah Muhammad, 'Introduction to Islam
- 4) Mulana Muhammad YousafIslahi,"
- 5) Hussain Hamid Hassan, "An Introduction to the Study of Islamic Law" leaf Publication Islamabad, Pakistan.
- 6) Ahmad Hasan, "Principles of Islamic Jurisprudence" Islamic Research Institute, International Islamic University, Islamabad (1993)
- 7) Mir Waliullah, "Muslim Jrisprudence and the Quranic Law of Crimes" Islamic Book Service (1982)
- 8) H.S. Bhatia, "Studies in Islamic Law, Religion and Society" Deep & Deep Publications New Delhi (1989)
- 9) Dr. Muhammad Zia-ul-Haq, "Introduction to Al Sharia Al Islamia" Allama Iqbal Open University, Islamabad (2001)

## BASIC MATHEMATICS

**Course Code: ECON 141**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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### COURSE DESCRIPTION

This is the first of a compulsory two-course sequence. This part is to be taught in Semester I, this course introduces some basic mathematical tools needed in Economics. The principal aims of the course are to introduce students to the basic mathematical methods.

### COURSE OBJECTIVES

Objectives of the course are:

1. To prepare the students, not majoring in mathematics, with the essential tools of functions of one real variable and single-variable optimization.
2. To transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level.
3. To understand those methods of mathematics needed to pursue economic analyses.

### COURSE LEARNING OUTCOMES:

Upon successful completion of the course, the student will be able to:

- Acquire the basic knowledge of mathematical methods and perform basic arithmetic operations on algebraic expressions and fractional algebraic expressions
- Understand mathematical information, concepts, and thoughts in verbal, numeric, graphical and symbolic forms while solving a variety of problems.
- Solve systems of linear equations in up to three unknowns and explain how to solve systems in more than three unknowns;
- Evaluate Graphs; elementary types of functions and Geometric properties of functions.
- Demonstrate the basic computational methods in functions of one real variable, single-variable optimization and Integration of functions

### COURSE CONTENT:

## 1. Preliminaries:

- Logic and proof techniques; sets and set operations;
- Relations; functions and their properties; number systems.

## 2. Functions of one real variable:

- Graphs; elementary types of functions: quadratic, polynomial, power, exponential, logarithmic;
- Sequences and series: convergence, algebraic properties and applications;
- Continuous functions: characterizations, properties with respect to various operations and applications;
- Differentiable functions: characterizations, properties with respect to various operations and applications;
- Second and higher order derivatives: properties and applications.

## 3. Single-variable optimization:

- Geometric properties of functions: convex functions, their characterizations
- Applications; local and global optima: geometric characterizations, characterizations using calculus and applications.

## 4. Integration of functions:

- Areas under curves;
- Indefinite integrals; the definite integral.

## 5. Difference equations:

- First order difference equations.

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.





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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite:** Nil

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## **COURSE DESCRIPTION AND OBJECTIVES**

The objective of this course is to introduce the students with the fundamentals of the subject of Political Science and prepare them for advanced studies in the forthcoming semesters. The very basic concepts and terminology commonly used in the further courses of studies are taught to make the students friendly with the subject.

## **COURSE CONTENTS**

- a) Definition, nature and scope of Political Science. Relationship with other social sciences: Economics and History, Sociology, Geography and new trends in Political Science.
- b) Approaches to the study of Political Science: Traditional approach; Behavioral approach, Post Behavioral Approach (Functionalism).
- c) Political System:
  - i) Meaning and Characteristics
  - ii) Structure and Functions

### **2. POLITICAL COMMUNITY**

- a) State and its Evolution
- b) Concepts of State.
  - i) Traditional concept with reference to Plato and Aristotle.
  - ii) Islamic concept with special reference to Ibn-Khaldun and Shah Wali Ullah.
  - iii) Modern Concept with reference to Machiavelli, Hobbes, Locke and Rousseau.
  - iv) Concept of Sovereignty: Monistic and pluralistic; Western and Islamic.

### **3. INDIVIDUAL IN POLITICAL COMMUNITY**

- i) Law and individual
- ii) Rights and duties of individual (Western and Islamic)
- iii) Liberty and freedom of individual

### **4. FORMS OF GOVERNMENT**

- i) Unitary, Federal and Confederation
- ii) Parliamentary and Presidential
- iii) Democratic and Totalitarian/Authoritarian.

### **5. STRUCTURE AND ROLE OF GOVERNMENT**

- i) Legislature: law making
- ii) Executive: law enforcing
- iii) Judiciary: law adjudicating
- iv) Separation of Powers/Checks and Balances.

### **6. POLITICAL PARTICIPATION**

- i) Electoral process
- ii) Voting behavior

- iii) Political parties
- iv) Pressure groups
- v) Public opinion and media.

## **7. COMPARATIVE IDEOLOGIES**

- i) Capitalism
- ii) Marxism
- iii) Islamic Ideology and Nationalism.

## **8. INTERNATIONAL COMMUNITY**

- i) United Nations
- ii) Regional Organizations: ECO, SAARC, OIC, NATO.

While dealing and teaching this paper references to the western & Muslim political philosophers should be given quite frequently.

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

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#### **II. Final Examination (60%)**

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#### **III. Internals (20%)**

**Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. Theory and practice in political science by Mazher ul Haq, Lahore bookland 1996.
2. Introduction to political science by Muhammad Sarwar, Lahore Ilmi kutub khana, 1996
3. Political Theory by V.D Mahajan, New Delhi, S.Chand & Co 2006

**Course Code: Soc- 301**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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## **COURSE DESCRIPTION AND OBJECTIVES**

The course is designed to introduce the students with sociological concepts and the discipline. The focus of the course shall be on significant concepts like social systems and structures, socio-economic changes and social processes. The course will provide due foundation for further studies in the field of sociology.

## **COURSE CONTENTS**

1. Introduction
  - a. Definition, Scope, and Subject Matter
  - b. Sociology as a Science
  - c. Historical back ground of Sociology
2. Basic Concepts
  - a. Group, Community, Society
  - b. Associations
    - i. Non-Voluntary
    - ii. Voluntary
  - c. Organization
    - i. Informal
    - ii. Formal
  - d. Social Interaction
    - i. Levels of Social Interaction
    - ii. Process of Social Interaction
      - a) Cooperation
      - b) Competition
      - c) Conflict
      - d) Accommodation
      - e) Acculturation and diffusion
      - f) Assimilation
      - g) Amalgamation
3. Social Groups
  - a. Definition & Functions
  - b. Types of social groups
    - i. In and out groups
    - ii. Primary and Secondary group
    - iii. Reference groups
    - iv. Informal and Formal groups
    - v. Pressure groups
4. Culture
  - a. Definition, aspects and characteristics of Culture
    - i. Material and non material culture
    - ii. Ideal and real culture
  - b. Elements of culture

- i. Beliefs
    - ii. Values
    - iii. Norms and social sanctions
  - c. Organizations of culture
    - i. Traits
    - ii. Complexes
    - iii. Patterns
    - iv. Ethos
    - v. Theme
  - d. Other related concepts
    - i. Cultural Relativism
    - ii. Sub Cultures
    - iii. Ethnocentrism and Xenocentrism
    - iv. Cultural lag
- 5. Socialization & Personality
  - a. Personality, Factors in Personality Formation
  - b. Socialization, Agencies of Socialization
  - c. Role & Status
- 6. Deviance and Social Control
  - a. Deviance and its types
  - b. Social control and its need
  - c. Forms of Social control
  - d. Methods & Agencies of Social control
- 7. Collective Behavior
  - a. Collective behavior, its types
  - b. Crowd behavior
  - c. Public opinion
  - d. Propaganda
  - e. Social movements

Leadership

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

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### **a. Quizzes**

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## **QUALITY ASSURANCE**

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### **Text and Reference Books:**

1. Anderson, Margaret and Howard F. Taylor. 2001. *Sociology the Essentials*. Australia: Wadsworth.
2. Brown, Ken 2004. *Sociology*. UK: Polity Press
3. Giddens, Anthony 2002. *Introduction to Sociology*. UK: Polity Press.
4. Macionis, John J. 2006. 10<sup>th</sup> Edition *Sociology* New Jersey: Prentice-Hall
5. Tischler, Henry L. 2002. *Introduction to Sociology* 7th ed. New York: The Harcourt Press.
6. Frank N Magill. 2003. *International Encyclopedia of Sociology*. U.S.A: Fitzroy Dearborn Publishers
7. Macionis, John J. 2005. *Sociology* 10<sup>th</sup> ed. South Asia: Pearson Education
8. Kerbo, Harold R. 1989. *Sociology: Social Structure and Social Conflict*. New York: Macmillan Publishing Company.
9. Koenig Samuel. 1957. *Sociology: An Introduction to the Science of Society*. New York: Barnes and Nobel..
10. Lee, Alfred Mclung and Lee, Elizabeth Briant 1961. *Marriage and The family*.New York: Barnes and Noble, Inc.
11. Leslie, Gerald et al. 1973. *Order and Change: Introductory Sociology*Toronto: Oxford University Press.
12. Lenski, Gevbard and Lenski, Jeam. 1982. *Human Societies*. 4<sup>th</sup> edition New York: McGraw-Hill Book Company.  
James M. Henslin. 2004. *Sociology: A Down to Earth Approach*. Toronto: Allen and Bacon.

## **ENGLISH II (Communication Skills)**

**Course Code: ENG-351**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION AND OBJECTIVES**

This course offers an opportunity to learn and apply, in daily cum professional life, practical principles of interpersonal communication. Emphasis is placed on psychological, social, cultural, and linguistic factors, which affect person-to-person interaction. Special attention will be given to human perceptions, interpersonal dynamics, and patterns of inference, listening, verbal and visual symbols.

The course aims at introducing students with the key concepts of communication and their application keeping line with the following objectives:

1. To increase the students' ability to improve and utilize the skills necessary for a competent interpersonal communicator.
2. To increase students' understanding of his / her own as well as others behavior in the context of communication.
3. To improve students' communication skills in both social and professional contexts.
4. To improve students' ability to demonstrate effective conflict resolution skills.

### **COURSE CONTENTS**

***Principles of Effective Communication:*** Concepts, Benefits and Characteristics of Effective Communication. Basic forms of Communication (verbal & nonverbal Communication. Components of communication (Communication Process). Problems of communication. Communicating in Organization. Communication Channels. Intercultural communication in the global context. Oracy Skills (Listening & Speaking). Literacy Skills (Reading & Writing). Visual and Oral presentation

***Basic Principles of Communication:*** Seven C's of effective communication

***Communication Methods and Skills, Business Messages:*** Reading Skills, Extensive, Intensive, Skimming and Scanning. Communication and the Technology context, Formal letters, Memorandum, Curriculum Vitae (Résumé), Business E-Mails, Fax Messages.

### **TEACHING METHODOLOGY:**



- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

#### **III. Internals (20%)**

**Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

#### **Text and Reference Books:**

1. Communication for Business by Shirley Taylor (4<sup>th</sup> Edition)
2. Business Communication today by Courtland L. Bovee
3. The Effective Business Communication by Herta A Murphy (7<sup>th</sup> Edition).

## **PAKISTAN STUDIES**

**Course Code: PS-351**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION AND OBJECTIVES**

- Develop vision of historical perspective, government, politics, contemporary Pakistan, ideological background of Pakistan.
- Study the process of governance, national development, issues arising in the modern age and posing challenges to Pakistan.

### **COURSE CONTENTS**

1. Historical Perspective
  - Ideological rationale with special reference to Sir Syed Ahmed Khan, Allama Muhammad Iqbal and Quaid-i-Azam Muhammad Ali Jinnah.
  - Factors leading to Muslim separatism
  - People and Land
  - Indus Civilization
    - Muslim advent Location and geo-physical features.
2. Government and Politics in Pakistan

Political and constitutional phases:

  - 1947-58
  - 1958-71
  - 1971-77
  - 1977-88
  - 1988-99
  - 1999 onward
3. Contemporary Pakistan
  - Economic institutions and issues
  - Society and social structure
  - Ethnicity
  - Foreign policy of Pakistan and challenges

Futuristic outlook of Pakistan

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. Burki, ShahidJaved. *State & Society in Pakistan*,The Macmillan Press Ltd 1980.
2. Akbar, S. Zaidi. *Issue in Pakistan's Economy*. Karachi: Oxford University Press, 2000.
3. S. M. Burke and Lawrence Ziring. *Pakistan's Foreign policy: An Historical analysis*. Karachi:

- Oxford University Press, 1993.
4. Mehmood, Safdar. *Pakistan Political Roots & Development*. Lahore, 1994.
  5. Wilcox, Wayne. *The Emergence of Bangladesh.*, Washington: American Enterprise, Institute of Public Policy Research, 1972.
  6. Mehmood, Safdar. *Pakistan KayyunToota*, Lahore: Idara-e-Saqafat-e- Islamia, Club Road, nd.
  7. Amin, Tahir. *Ethno - National Movement in Pakistan*, Islamabad: Institute of Policy Studies, Islamabad.
  8. Ziring, Lawrence. *Enigma of Political Development*. Kent England: WmDawson& sons Ltd, 1980.
  9. Zahid, Ansar. *History & Culture of Sindh*. Karachi: Royal Book Company, 1980.
  10. Afzal, M. Rafique. *Political Parties in Pakistan*, Vol. I, II & III. Islamabad: National Institute of Historical and cultural Research, 1998.
  11. Sayeed, Khalid Bin. *The Political System of Pakistan*. Boston: Houghton Mifflin, 1967.
  12. Aziz, K. K. *Party, Politics in Pakistan*, Islamabad: National Commission on Historical and Cultural Research, 1976.
  13. Muhammad Waseem, *Pakistan Under Martial Law*, Lahore: Vanguard, 1987.
- Haq, Noor ul. *Making of Pakistan: The Military Perspective*. Islamabad: National Commission on Historical and Cultural Research, 1993.

## PRINCIPLES OF MACROECONOMICS

**Course Code: Econ-351**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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### **COURSE DESCRIPTION:**

The course is specially designed for the beginners with no formal background or little association with economics. This course is an introduction to the macroeconomic indicators and issues such as national income, unemployment, inflation etc. The course will establish the students understanding on the behavior and performance of the economy as a whole.

### **COURSE OBJECTIVES:**

By the end of the course, students will be able to understand introductory macroeconomic theory and understand the concepts of macro aggregates like National Income, inflation, unemployment and etc. More specifically, this course aims:

- To familiarize the student with the generally accepted principles of macroeconomics.
- To understand the computation of National Income Accounts.
- To Interpret and evaluate media reports on the macro-economy.

### **COURSE LEARNING OUTCOMES:**

After completing this course, students should have developed a range of skills enabling them to understand basic concepts of macroeconomics. By the end of this course it is expected that the student should be able to:

- Acquire the basic knowledge of terminologies used in macroeconomics and the key elements involved in the business decision
- Understand the meaning and components of the National Income Accounts, especially GDP and GNP;
- Apply three different approaches to measure National Income, and the problems associated with calculating, interpreting and comparing National Income statistics
- Understand the tools, advantages and drawbacks of fiscal policy and monetary policy and how these policies operate.

## **COURSE CONTENT:**

### **1. Introduction:**

- What is macroeconomics and how economist thinks?
- The economy in aggregate,
- Complexities of the world of business,
- Scope of macroeconomics,
- Brief account of classical and the development of macro-economic after the World War-II,
- Concept of business cycles: Boom and Depression,
- Three concerns of macroeconomics, Inflation, GDP growth and unemployment,
- Macroeconomic variables and their mutual relationship,
- Macro-models as abstraction from the real economy.

### **2. National Income Accounting:**

- Definition and concept of national income,
- Measures of national income: Gross Domestic Product (GDP) and Gross National Product (GNP), GDP at factor cost and at market prices, GDP deflator
- Computation of national income: Product, Income and Expenditure approaches,
- Circular flow of income,
- Nominal versus Real income,
- Per capita income and the standard of living.
- Measuring the cost of living: the consumer price index, CPI versus GDP deflator
- Measuring Unemployment rate

### **3. Components of Aggregate Demand:**

- The Concept of Open and closed economy models,
- Concept of aggregate markets: Product, Money, Labor and Capital markets,
- Components of aggregate demand: Consumption, Investment and Government spending, Income and expenditure identities.
- Money and Monetary policy,
- Fiscal Policy

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are



## STATISTICS – I

**Course Code: Econ-403**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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### **COURSE DESCRIPTION**

This course deals with statistical concepts, such as data presentation, graphs, measures of central tendency and dispersion, correlation, and index numbers.

### **COURSE OBJECTIVES**

By the end of the course, students will be able to collect, present and analyze the data. More specifically, the course will equip students to:

- Understand techniques of data collection and data presentation
- Analyze data by using statistical techniques
- Communicate the results of statistical work, and more specifically write up the results of statistical analysis in a report consisting of a non-technical abstract for decision makers, so that they can improve their decisions.

### **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will:

1. Understand and be able to calculate basic statistical concepts (tabular and graphic representation of data, measures of central tendency, dispersion and asymmetry, correlation)
2. Apply knowledge to solve simple tasks using computer software, such as MS Excel, SPSS.
3. based on the acquired knowledge to Interpret the meaning of the calculated statistical results

### **COURSE CONTENTS**

#### **1. Statistics and Statistical Thinking**

- The Science of Statistics and its importance
- Fundamental Elements of Statistics
- The Role of Statistics in Critical Thinking and Ethics

#### **2. Organizing Data**

- Types of Variables Measurement Scales (nominal, ordinal, interval and ratio scale)
- Data Collection Methods
- Presentation of data through classification, tabulation, diagrams and graphs



### **3. Descriptive Measures**

- Measures of Location: Mean, Median, Mode, Geometric Mean, Quartiles, Deciles & Percentiles
- Measures of Dispersion; Range, Mean Absolute Deviation, Standard Deviation, Coefficient of Variation, Boxplots

### **4. Index Numbers**

- Defining an Index Number
- Un-weighted Aggregates Index
- Weighted Aggregates Index
- Average of Relative Methods
- Quantity and Value Indices

### **5. Time Series Analysis:**

- Introduction
- Components of Time Series
- Deseasonalization of Data

### **6. Probability**

- Probability
- Rules of Probability
- Bayes Theorem

### **7. Random Variable and Discrete Distributions**

- Discrete Random Variables
- Mean and Standard Deviation of a Discrete Random Variable
- The Binomial, Poisson and other discrete distributions

### **8. The Normal Distribution**

- Central Limit Theorem
- Introducing Normally Distributed Variables
- Areas under the Standard Normal Curve
- Working with Normally Distributed Variables
- Assessing Normality; Normal Probability Plots

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



## Introduction to Geography

**Course Code: PS-354**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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### Course Description

This course attempts to impart knowledge about the relationship between man and physical, socio-economic and cultural environment with special reference to Pakistan, including land, population, human settlements, resources and related human activities.

### Course Contents

- 1- Definition + Scope + Importance of Geography.
- 2- Branches of Geography.
- 3- Location of Pak (Relative + Geographical)
- 4- Geo-Strategic Importance of Pak
- 5- Forests of Pak
- 6- Agriculture
- 7- Deserts
- 8- Mountains of Pak
- 9- Mineral Resources
- 10- Industry
- 11- Ocean + Sea

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

Ahmad, K. S. (1978) Geography of Pakistan, Oxford University Press, Oxford.

Burkey, J. S. (1991) Pakistan the continuing search for Nationhood, Western Press Oxford, UK.

Davidson, A. P. & Ahmad, M. (2003) Privatization and the Crisis of Agricultural Extension: The Case of Pakistan, King's Soas Studies in Development Geography, Ashgate Publishing, New Delhi.

Dichter, D. (1967) Geography of N-W.F.P, Oxford University Press, Oxford.

Hameed, A. (1972) Study of the Middle Indus Basin, San Francisco State College, San Francisco.

Johnson, B.L.C (198).

Khan, F. K. (1991) Geography of Pakistan, Oxford University Press, Karachi

Spate, O. H. K. (2004) India and Pakistan, Munshiram Mohoanlal Publications Pvt. Ltd., UK.

Tayyeb, A. (1973) A Political Geography of Pakistan, Oxford University Press. Oxford.

# SOCIAL ANTHROPOLOGY

**Course Code: SOC: 351**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: ECON 301: PRINCIPLES OF MICROECONOMICS**

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## **Course Description:**

The course aims to introduce the pertinent concepts and theories about evolution of humans and culture. The course will dilate branches of anthropology including physical anthropology, archaeology, socio-cultural anthropology, and linguistic anthropology.

## **Course Content:**

- 1. Introduction**
  - Meaning and Definition Social Anthropology
  - Nature of Social Anthropology,
  - Sub-Fields in Social Anthropology
  - Scope of Social Anthropology.
  
- 2. Social Stratification in Simple Societies**
  - Egalitarian Societies,
  - Ranked Societies,
  - Class and Caste ridden Societies
  
- 3. Marriage and Family Institution**
  - Introduction to family and Marriage system
  - Functions of family in rural areas
  - Universality of Marriage,
  - Ways of Marriage,
  - Theories on INCEST TABOO,
  - Forms of Marriage.
  
- 4. Kinship Structure**
  - Variation in Marital Residence,
  - Major Systems in Kinship Terminology,
  - Omaha System,
  - Crow System,
  - Iroquois System,
  - Eskimo System.

- 5. Political Institution/Organization**
  - Types of Political Organizations,
  - Resolution of Conflicts,
  
- 6. Religious Institution**
  - Universality of Religion,
  - Variation in Beliefs Religious,
  - Variation in Practice Religious,
  - Religion and Magic,
  
- 7. Economic Institution**
  - Division of Labor,
  - Reciprocity System,
  - System of Redistribution.

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

##### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

##### **III. Internals (20%)**

**Internal marks comprises of the following**

###### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

### **b. Project/ Topic / Case Study Presentation**

Class will be divided into reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried out before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by the quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. Alan, P. M. (1986). *Anthropology: An Introduction*. New York: Harper and Row.
2. Darshan, S. M. (2000). *Encyclopedia of Anthropology*. Vol. 7. Social Anthropology. New-Delhi, Mittal Publication.
3. Epstein, A. L. (2012 Edited). *The Craft of Social Anthropology*. USA. New Jersey.
4. Evans, P. (2004). *Social Anthropology*. Taylor and Francis Group.
5. Everett, A. H. (1979). *Culture and Social Anthropology*. New Delhi: McGraw Hill Publishing Co.
6. Fried, M. H. (1973). *Exploration in Anthropology*. Reading in Culture. Man and Nature, New York: Thomas y. Cromwell Company
7. Haviland, W. A. (1975). *Culture Anthropology*. Holt Rinehart and Winston.
8. Hicks, D., and Margaret, G. A. (1996). *Cultural Anthropology* (2<sup>nd</sup> ed.). New York. Harper Collins Publishers Inc.
9. Hobel, E. A. (1972). *Anthropology: The Study of Man* (4<sup>th</sup> ed.), New York, McGraw-Hill.

## ENGLISH III – (TECHNICAL WRITING)

**Course Code: ENG: 401**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **Course Description:**

This course will introduce students to the basic principles of effective / skillful writing and will develop the understanding of the students on academic and technical writing skills. Students will understand and know how to follow the stages of writing process and will apply these to technical and workplace writing tasks. Students will learn how to incorporate clarity and utility in their writing, learn stylistic methods for effective writing and to be aware of ethical issues in technical writing. Also, Students will read, analyze, and interpret material from technical fields, and will practice research and writing skills appropriate for technical topics. Students will also be familiarized with basic sources and methods of research and documentation on topics including on-line research. They will be able to synthesize and integrate material from primary and secondary sources wedded to their own ideas in research papers.

### **Course Content:**

Introduction to Technical / Skillful writing: What is Technical / Skillful writing & its purpose, Importance of Technical / Skillful writing, distinguishing features / Characteristics of Technical writing, Basic aspects and principles of Technical / Skillful writing and Technical writing style. The Technical writing Process: An overview of the process, Pre-writing, Writing and Post-writing. Writing an Outline: What is an outline, Principles of making outline and arranging ideas in an outline. Writing an Abstract and Summarizing a text: What is an abstract, What is summarizing, Types of summary and abstract and Difference between outline, abstract and summary. Description: Common elements of descriptions, Planning the mechanism description, Writing the mechanism description, Planning the process description and Writing the process description. Report writing: What is a report writing, Difference between a report and other forms of writing, Formal / Informal reports, Informal reports, Formal reports and Types of formal reports. Proposals writing: External proposals, Internal proposals and Types of internal proposals. Writing a Review: What is a review and Types of review. Writing Advertisements, Note Taking, Writing Notices, Writing Circulars and Writing Minutes of a Meeting / Conference.



## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

## **Text and Reference Books:**

1. Technical Report Writing by Steven E. Pauley & Daniel G. Riorden
2. Technical Writing and specification by Gildon H.K, Megraw Hill Book Company.
3. Technical Writing by Steve M. Chnical

4. Writing Advanced by Ron White. Oxford Supplementary Skills. 3<sup>rd</sup> Impression 1992.
5. College Writing Skills by John Langan. Mc-Graw-Hill Higher Education 2004.
6. Pattern of College Writing (4<sup>th</sup> Edition) by Laurie G. Kirzner & Stephen R. Mandell. St. Martin's Press.

## **INTERMEDIATE MICROECONOMICS**

**Course Code: Econ-401**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite:** ECON 301: PRINCIPLES OF MICROECONOMICS

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### **COURSE DESCRIPTION:**

Intermediate Microeconomics is the second course of Microeconomics in the BS (Economics) program that builds up an extended knowledge of microeconomic concepts, principles and theories. This course mainly focuses on the conceptual foundations of microeconomics: prices, markets, optimization, equilibrium, and comparative statics. The course presents a logical and analytical framework for the observed economic phenomena. The course includes the study of consumer theory, theory of demand, producer theory, perfect competition, imperfect competition, externalities, public goods, and government interventions. Basic algebra and calculus, along with graphical techniques, will be used to analyse these microeconomic concepts.

### **COURSE OBJECTIVES:**

The objective of the course is to extend the knowledge of the basic microeconomic principles that will provide the foundation for future studies in economics.

1. The course is aimed to develop the economic way of thinking to tackle the issues like resource allocation of consumers and producers.
2. The course is aimed to give an insight into how economic models can help us think about important real world phenomena, like reasons behind the rise and fall of prices and wages, how firms earn profits and why they go out of business.
3. The course is aimed to analyze the role of decision making agents in the economy and their impact on input and output prices and resource allocation.
4. The course is aimed to analyze critically the role of free markets, the possible reasons behind market failure and the effects of government intervention in the market.
5. The course is aimed to obtain basic knowledge of the issues that may arise when market information is asymmetric.

## **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will be able to:

- Acquire proficiency to employ numerical and graphical techniques as well as verbal presentation of microeconomic concepts.
- Understand the concepts microeconomic theories and models in terms of their policy implications, advantages and limitations.
- Explains consumers', firms', and market behaviour using mathematical tools and diagrams the problems.
- Demonstrate and apply microeconomic models to design solutions to practical economic issues and real-world scenarios.

## **COURSE CONTENT:**

### **1. Introduction**

- Analyzing Economic Problems
- Constructing Economic Models
- Optimization Principle

### **2. Consumer Theory**

- Budget Constraint and its Application
- Utility and Preferences
- Indifference Curve Analysis
- Optimal Choice of Consumer
- Application of Consumer Theory in choosing Taxes
- Income Effect
- Substitution Effect
- Price Effect as a combination of Income and Substitution Effect
- Decomposition of Price Effect into income & substitution effects (all approaches)
- Marshallian and Hicksian Demand Curves (normal, inferior and Giffen goods)

### **3. Theory of Demand and Supply**

- Income Consumption Curve and Engel Curves
- The Price Consumption Curve and the Demand Curve
- Derivation of Demand Curve
- Demand Function
- Supply Function
- Supply and Demand Equilibria
- Comparative Statics
- The Inverse Demand Function

### **4. Producer Theory**

- Producer's Objective
- Technology Constraints

- Short Run and Long Run Production Function and Cost
- Diminishing Marginal Product
- Diminishing Technical Rate of Substitution
- Returns to Scale and Cost Function
- Isoquant and Isocost Analysis
- Cost Minimization in Short and Long run
- Short-Run and Long run Profit Maximization

## 5. Markets Analysis

- Perfectly Competitive Markets: Analysis and Application
  - Short Period Analysis (equilibrium cases, supply curve of firm)
  - Long Period Analysis (equilibrium of firm, supply curve of industry)
- Monopoly Markets: Analysis and Application
  - Short Period Analysis (equilibrium cases, why no supply curve of firm)
  - Long Period Analysis (equilibrium of firm, sub-optimum, optimum and super-optimum cases)
  - Price Discrimination (concept, need, possibility, forms and degrees of price discrimination)
- Monopolistic Competition: Analysis and Application
  - Short Period Analysis (equilibrium cases)
  - Long Period Analysis (equilibrium of firm)
- Oligopoly: Analysis and Application
  - Cournot Model
  - Bertrand Model
  - Stackelberg Model
  - Sweezy's Kinked Demand Model

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.



# Introduction to Information and Communication Technology

Course Code: CS: 301

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION AND OBJECTIVES

This is an introductory course on Information and Communication Technologies. Topics include ICT terminologies, hardware and software components, the internet and world wide web, and ICT based applications.

After completing this course, a student will be able to:

- \* Understand different terms associated with ICT
- \* Identify various components of a computer system
- \* Identify the various categories of software and their usage
- \* Define the basic terms associated with communications and networking
- \* Understand different terms associated with the Internet and World Wide Web.
- \* Use various web tools including Web Browsers, E-mail clients and search utilities.
- \* Use text processing, spreadsheets and presentation tools
- \* Understand the enabling/pervasive features of ICT

## COURSE CONTENTS

Basic Definitions & Concepts

- \* Hardware: Computer Systems & Components
- \* Storage Devices, Number Systems
- \* Software: Operating Systems, Programming and Application Software
- \* Introduction to Programming, Databases and Information Systems
- \* Networks
- \* Data Communication
- \* The Internet, Browsers and Search Engines
- \* The Internet: Email, Collaborative Computing and Social Networking
- \* The Internet: E-Commerce
- \* IT Security and other issues
- \* Project Week
- \* Review Week

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are

expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

Recommended Books

1. Introduction to Computers by Peter Norton, 6th International Edition (McGraw HILL)
2. Using Information Technology: A Practical Introduction to Computer & Communications by Williams Sawyer, 6th Edition (McGraw HILL)
3. Computers, Communications & information: A user's introduction by Sarah E. Hutchinson, Stacey. C. Swayer
4. Fundamentals of Information Technology by Alexis Leon, Mathews Leon Press.

## ECON 241: INTERMEDIATE MATHEMATICS

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite:** Nil

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### **COURSE DESCRIPTION:**

This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The first course covered single variable functions and optimization and this course covers the essentials of linear algebra and optimization techniques required for the analysis of functions of several variables that are commonly used in economics.

### **COURSE OBJECTIVES:**

Objectives of the course are:

1. To transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level.
2. To applying mathematical techniques to economic theory in general.
3. To be able to apply mathematical strategies in applied contexts.
4. To learned mathematical concepts and skills relevant to Economics.

### **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will be able to:

- Acquire the basic knowledge some more advanced areas of mathematics from among probability, real analysis, abstract algebra, complex analysis, partial differential equations, and discrete mathematics.
- Understand calculus, basic discrete mathematics, and linear algebra.
- Solve and apply mathematical methods in applied contexts.
- Evaluate differential equations, Linear algebra, Functions of several real variables and Multi-variable optimization
- Demonstrate algebraic facility with algebraic topics including linear, quadratic, exponential, logarithmic, and trigonometric functions

### **COURSE OUTLINE:**

1. **Differential equations:**
  - First-order differential equations;



- Integral curve, direction diagram and slope field; qualitative theory and stability.

## 2. **Linear algebra:**

- Vector spaces: algebraic and geometric properties,
- Scalar products, norms, orthogonality; linear transformations: properties,
- Matrix representations and elementary operations;
- Systems of linear equations: properties of their solution sets;
- Determinants: characterization, properties and applications.

## 3. **Functions of several real variables:**

- Geometric representations: graphs and level curves;
- Differentiable functions: characterizations, properties with respect to various operations and applications;
- Second order derivatives: properties and applications;
- The implicit function theorem, and application to comparative statics problems;
- Homogeneous and homothetic functions: characterizations and applications.

## 4. **Multi-variable optimization:**

- Convex sets; geometric properties of functions:
- Convex functions, their characterizations, properties and applications; further geometric properties of functions:
- Quasi convex functions, their characterizations, properties and applications;
- Unconstrained optimization: geometric characterizations, characterizations using calculus and applications;
- Constrained optimization with equality constraints: geometric characterizations,
- Lagrange characterization using calculus and applications; properties of value function: envelope theorem and applications.

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**



# PRINCIPLES OF MANAGEMENT

Course Code: MGT-351

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION AND OBJECTIVES

This course is intended to expose students to the theories of management, organizational theory, and the practice of management in contemporary organizations from a conceptual, analytical, and pragmatic perspective.

## COURSE CONTENTS

### **An Overview of Management**

- Definitions of Management
- Characteristics of Management
- Different between Management and Administration

### **Functions of Management**

- Functions a brief Treatment
- Planning, Organizing, Staffing
- Directing, Controlling, Coordination

### **Principles of Management**

- Taylor's Principles
- Fayol's Principles
- General Principles
- Importance and Scope of Management
  - Importance of Management
  - Scope of Management

### **Nature of Management**

- Management as an art
- Management as a Science
- Management as a Profession

### **Planning**

- Definition, Nature and Characteristics
- Importance of Planning
- Limitations of Planning
- Essentials of a good Plan
- Steps in Planning Process

## Types of Planning

### **Decision Making**

- Meaning and Elements of Decision Making
- Importance and Process of Decision Making
- Salient Features of a good or an Effective Decision
- An Effective Decision Making

### **Organizing**

- Nature and Importance of Organization
- Steps in the Process of Organization
- Formal and Informal Organization
- Principles of Organization

### **Communication**

- Definition of Communication
- Process of Communication
- Importance of Communication
- Types of Communication
- Barriers to Communication
- Over Coming the Barriers
- Characteristics of a good Communication System

### **Staffing**

- Definition of Staffing, Sources of Recruitment
- Steps in Selection Process
- Orientation or Induction
- Training and Education
- Types and Methods of Training

### **Directing / Direction**

- Definition, Nature and Importance
- Principles & Techniques

### **Leadership**

- Definition
- Traits / Qualities of a Successful Leader
- Leadership Styles, Function of Leader Ship

### **Motivation**

- Meaning and Importance
- Financial and Non Financial Incentives
- Theory X and Theory Y
- Maslow's Need Priority Model

## **Controlling**

Definition of Controlling  
Characteristics of Controlling  
Objectives of Controlling  
Steps in the Process of Controlling  
Essentials of an Effective Control System

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

#### **III. Internals (20%)**

**Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

**Text and Reference Books:**

1. Principles and Practice of Management 1998 Edition, Terry, Prentice Hall USA.
2. Practice of Management, 1997 Edition P.F. Duck Ker, Macmillan, London.
3. Fundamentals of Management 2004 Edition, Prof. Fazli Wahid IBMS/CS Agricultural University Peshawar.

# Introduction to Philosophy

**Course Code: PHPY: 352**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite:** ECON 403: STATISTICS – I (university may relax this prerequisite)

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## COURSE DESCRIPTION

The course introduces undergraduate students to some of the main concerns in philosophy concentrating on the works of major thinkers such as Plato, Aristotle, Descartes, Hume, Kant, Hegel, Marx, Kierkegaard, Husserl, Sartre, Foucault, and Derrida, to name a few. The class discussions will around broad philosophical concerns: the nature of philosophy, the nature and limits of human knowledge, the scope and limits of human freedom, the differences between right and wrong conduct, the nature of good life, and the meaning and the value of human existence. The students will thus be given introductory overview of different areas of philosophy beginning with Plato. The topics for discussion will include: Morality, Free Will, Metaphysics and Knowledge. The basic principles and methods of logical reasoning will be introduced and students will be given opportunity to participate actively in class discussions.

## Course Objectives

- Understand basic concepts of philosophy in the fields of metaphysics, axiology, and epistemology.
- Understanding of philosophical terms

## COURSE CONTENTS

Week-1

- Definition, Subject Matter, and Scope of Philosophy.

Week-2

- Metaphysics. (Branches: Ontology, Cosmology and Philosophical Psychology)

Week-3

- Epistemology. (Sources of Knowledge, Theories of Truth, Theory of Knowledge)

Week-4

- Epistemology (Empiricism, Rationalism, Intuitionism)

Week-5

- Axiology (Logic, Psychology, Ethics, Aesthetics.)

Week-6

- Philosophical discussion in the light of previous Lectures on the issues arises in Psychology.

Week-7

- Materialism and Naturalism

Week-8

- Idealism and Realism
- Types of Idealism and Realism.
- . Subjective, Objective and Personal Idealism and Realism.

Week-9

- Mid-Term Exam

Week-10

- Socrates , Plato and Aristotle Philosophy

Week-11

- Existentialism, Vitalism and Iqbal's philosophy.

Week-12

- Pragmatism
- . Radical Empiricism, Pragmatic Method, Pragmatic Theory of Truth.

Week-13

- Logical Positivism

Week-14 Modern philosophers

Week-15

- Appearance Vs Reality.

Week-16

- An overview of the whole course and Presentation.

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. Durant, Well., Story of Philosophy, Services Book Club by Pap-Board Publishers Ltd. Rawalpindi, Pakistan, 1985.
2. Haque, Intisar-ul., Philosophy of Religion, Feroz Sons, Lahore, 1991.
3. Russell, Bertrand., History of Western Philosophy, Routledge, London, 2000.
4. Stace, W. T., A Critical History of Greek Philosophy, National Book Foundation, Islamabad, 2008.
5. Titus, Harold H., Living Issues in Philosophy, 4th edition, American Book Company, New York, 1964.

## ENGLISH IV (ACADEMIC READING AND WRITING)

Course Code: ENG- 453

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Contact Hours: 48

Credit Hours: 3.0

Prerequisite: Nil

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### COURSE DESCRIPTION AND OBJECTIVES

To enable the students to:

- Read Academic text critically
- Write well organized academic text e.g. assignments, examination answers

Write narrative, descriptive, argumentative essays and reports (assignments)

### COURSE CONTENTS

Critical Reading

Advanced reading skills and strategies building on Foundations of English I & II courses in semesters I and II of a range of text types e.g. description, argumentation, comparison and contrast.

Advanced Academic Writing

Advanced writing skills and strategies building on English I & II in semesters I and II respectively

- Writing summaries of articles
- report writing
- Analysis and synthesis of academic material in writing
- Presenting an argument in assignments/term-papers and examination answers

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

1. Aaron, J. 2003. *The Compact Reader*. New York: Bedford.
2. Axelrod, R. B and Cooper, C. R. 2002. *Reading Critical Writing Well: A Reader and Guide*.
3. Barnet, S. and Bedau, H. 2004. *Critical Thinking, Reading and Writing: A Brief Guide to Writing*. 6<sup>th</sup> Ed.
4. Behrens & Rosen. 2007. *Reading and Writing Across the Curriculum*.
5. Gardner, P. S. 2005. *New Directions: Reading, Writing and Critical Thinking*.
6. George, D. and Trimbur, J. 2006. *Reading Culture: Context for Critical Reading and Writing*. 6<sup>th</sup> Ed.
7. Goatly, A. 2000. *Critical Reading and Writing: An Introductory Course*. London: Taylor & Francis.
8. Grellet, F., *Writing for Advanced Learners of English*. CUP.
9. Jordan, K. M. and Plakans, L. 2003. *Reading and Writing for Academic Success*.
10. Jordon, R. R. 1999. *Academic Writing Course*. CUP.
11. Smith, L. C. 2003. *Issues for Today: An Effective Reading Skills Text*  
Withrow, J., *Effective Writing*. CUP.

## INTERMEDIATE MACROECONOMICS

Course Code: Econ-451

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: ECON 351: PRINCIPLES OF MACROECONOMICS

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### COURSE DESCRIPTION:

The course is designed to teach the basic concepts and terms used in Macroeconomics. It will help the students to understand how the economies behave keeping in view the National Income, inflation, unemployment and macroeconomic fluctuations in the long run and short run. It will discuss Aggregate Demand and Aggregate Supply. The course will help students to think like economists.

### COURSE OBJECTIVES:

1. To understand concept of National income what is it and how it works, causes and effects of inflation and unemployment,
2. To learn how to critically analyze the economic fluctuation including short run and long run shocks in the economy
3. To be able to analyze and relate the facts and figures (numbers) with theory to support and strengthen the research and critical analysis.

### COURSE LEARNING OUTCOMES:

By the end of this course it is expected that the students will be able to

- Acquire the knowledge about the monetary system, inflation and unemployment
- Understand the concept of market Equilibrium keeping in view the demand and supply of goods and services
- Interpret and analyze the data, graphs and trends in the macroeconomic indicators
- Understand the concepts of Economic Fluctuations in the goods and money market in the light of IS and LM curves
- Demonstrate macroeconomic concepts by using appropriate terms and explaining them with country specific examples
- Apply macroeconomic theories and models to address the Macroeconomic issues

## **COURSE OUTLINE:**

### **1. Introduction to Macroeconomics**

### **2. National Income: Where it Comes from and Where it Goes**

- What determines the Total Production of Goods and Services?
- How Is National Income Distributed to the Factors of Production?
- What Determines the Demand for Goods and Services?
- Equilibrium in the Market for Goods and Services

### **3. Money, Prices and Unemployment**

#### **The Monetary System: What it is and How it Works?**

- What Is Money, its types and role
- How the Quantity of Money is Controlled and measured

#### **Inflation: It Causes, Effects, and Social Costs**

- The Quantity Theory of Money
- Seigniorage: The Revenue From Printing Money
- Inflation and Interest Rates
- The Nominal Interest Rate and the Demand for Money
- The Social Costs of Inflation
- Hyperinflation

#### **Unemployment**

- Job Loss, Job Finding, and the Natural Rate of Unemployment
- Job Search and Frictional Unemployment
- Real-Wage Rigidity and Structural Unemployment
- Labor-Market Experience: The United States
- Labor-Market Experience: Europe

### **4. The Economy in The Short Run: Economic Fluctuations**

#### **Introduction to Economic Fluctuations**

- The Facts About the Business Cycle
- How the Short Run and Long Run Differ
- The Model of Aggregate Supply and Aggregate Demand
- Aggregate Demand: The Quantity Equation, Slope and Shifts in the Aggregate Demand Curve
- Aggregate Supply curve in the Long Run and Short Run
- Stabilization Policy : Shocks to Aggregate Demand and Aggregate Supply

### **Aggregate Demand I: Building the IS-LM Model**

- The Goods Market and the IS Curve
- The Money Market and the LM Curve
- The Short-Run Equilibrium

### **Aggregate Demand II: Applying the IS-LM Model**

- Explaining Fluctuations with the IS–LM Model
- IS–LM as a Theory of Aggregate Demand
- The Great Depression

### **Aggregate Supply & the Short-run Tradeoff between Inflation & Unemployment**

- The Basic Theory of Aggregate Supply
- Inflation, Unemployment, and the Phillips Curve

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

#### **III. Internals (20%)**

**Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**



## STATISTICS - II

Course Code: Econ-452

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: ECON 403: STATISTICS – I (university may relax this prerequisite)

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### COURSE DESCRIPTION

This course deals with inferential statistical. Therefore, focus will be on the techniques by which decisions about a statistical population are made on the basis of sample data. It will cover topics related to sampling, estimation, testing of hypothesis and statistical inference.

### COURSE OBJECTIVES:

By the end of the course, students will be able

- To draw conclusions about population based on sample data,
- Understand techniques of sampling, estimation, hypotheses testing, experimental design
- Analyze the techniques of statistical inference.

### COURSE LEARNING OUTCOMES:

Upon successful completion of the course, the student will:

- UNDERSTAND the purpose and techniques of sampling
- APPLY the techniques of Statistical Inference
- INTERPRET the meaning of the calculated statistical results

### COURSE CONTENTS

#### 1. Sampling and Sampling Distributions

- Sampling techniques; random, cluster, systematic, convenience, judgment and stratified ° Simple random sampling
- Point estimation
- Introduction to sampling distributions
- Properties of point estimators

#### 2. Interval Estimation

- Population with  $\sigma$  known
- Population mean with  $\sigma$  unknown
- Determining the sample size



- Population proportion

### 3. Hypothesis Testing

- Developing null and alternative hypothesis
- Type I and type II error
- Population mean with  $\sigma$  known
- Population mean with  $\sigma$  unknown
- Population Proportion
- Hypothesis testing and decision making
- Calculating probabilities of Type-II error
- Determining the sample size for hypothesis testing about a population mean.

### 4. Statistical Inference About Mean and Proportions with Two Populations

- Inference about the difference between two population means with known and unknown values of  $\sigma_1$  and  $\sigma_2$
- Inference about the difference between two population means: matched samples

### 5. Inferences about Population Variances

- Inferences about a population variance
- Inference about two population variances

### 6. Tests of Goodness of Fit and Independence

- Goodness of Fit: A multinomial population
- Tests of independence
- Goodness of fit tests

### 7. Analysis of Variance and Experimental designs

- An introduction to analysis of variance
- Analysis of variance: testing for the equality of k population means
- Multiple comparison procedures
- An introduction to experimental design ° Randomized block design ° Factorial experiments

### 8. Nonparametric Methods

- Sign test Wilcoxon test
- Mann-Whitney-Wilcoxon test ,Kruskal-Wallis test , Rank correlation

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments

- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

#### **III. Internals (20%)**

**Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

#### **Text and Reference Books:**

- Anderson, Sweeney and Williams, *Statistics for Business and Economics*, Cengage Learning.
- Wonnacott, T.H. and Wonnacott, R. J., *Introductory Statistics*, John Wiley & Sons, New York.

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## DEVELOPMENT ECONOMICS

Course Code: Econ-454

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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### COURSE DESCRIPTION:

This course examines the process of economic development, including the determinants of underdevelopment, poverty and inequality. The course focuses on describing and understanding the many problems faced by developing countries and their citizens. Through the course, we discuss policy implications of the topics we explore. We begin with an overview of economic development and models economists use to understand the process of economic development. Afterward, we consider the impediments to development and how they can potentially be addressed. Both microeconomic issues such as, health, education, credit, etc., and macroeconomic issues such as land reforms, industrial policy, savings, trade, etc. will be addressed.

### COURSE OBJECTIVES :

1. To introduce students to the basic theory of development economics and to the different economic concerns of developing countries.
2. To facilitate students to be able to engage with the development economic literature on their own with an intermediate level knowledge of current issues and policies.
3. To understand and analyze key development economic theories affecting a number of contemporary development issues.
4. Reflect on and critically examine the links between alternatives development economic theories and approaches.
5. Review the policy implications of these key development economic theories.

### COURSE LEARNING OUTCOMES:

Upon successful completion of the course, the student will be able to:

- **ACQUIRE** the UNDERSTANDING of various development theories and their policy outcomes.
- **UNDERSTAND** different concepts in relation to the development of the developing countries.
- **SOLVE** the critical development issues, such as poverty, human development, inequality etc.
- **EVALUATE** the available solutions and alternatives outcomes
- **DEMONSTRATE**, compare and Contrast alternative development theories and hypotheses

## **COURSE CONTENTS**

### **1. An Overview of Development:**

- Historical experiences of developing countries
- Broad conceptual explanation of underdevelopment
- Economic Growth versus economic development
- Comparative economic development
- Emerging major issues of developing world
- Basic theories of growth and development, and
- Contemporary models of underdevelopment/development

### **2. Domestic Problems and Policies:**

- The nexus of poverty, inequality and underdevelopment
- The distribution of wealth and resources
- Poverty and nutrition
- Demographic transition, population growth; its causes and consequences
- Urbanization/rural-urban migrations; its causes and consequences
- Human capital; education, health and development
- Human Development Index
- Agriculture and rural development
- Land distribution
- Environment and natural resources
- Feudalism and Asiatic Mode of Production
- Colonial Path and Asiatic Capitalism in South Asia
- Agrarian class relations in Pakistan
- Industrial relations in Pakistan

### **3. International Problems and Policies:**

- Trade/access to factor and product markets and development
- Balance of payment problems
- Debt, stabilization policies
- International shocks, foreign finance
- Foreign assistance and aids
- International wars, conflicts and refugees
- Migration and remittances

### **4. Markets and Development:**

- The role of markets in development,
- Credit, financing, SME's, industrial and trade policies, land, labor and agriculture and livestock
- Market failure and government intervention
- Property rights and investment incentives
- Technology adoption and learning
- Stabilization policies

## **5. Institutions and Development:**

- What are the institutions?
- Political institutions Versus economic institutions
- The Role of Institutions in Development
- The political economy and corruption
- Democracy Versus dictatorship
- Decentralization and federalism
- Various tiers of government
- Good governance, corruption
- Rent seeking
- Ethnic conflict
- Gender inequality
- Voting and lobbying
- The role of civil society
- The role of state for economic development
- The Informal institutions and development
- Social network and social capital
- Various tiers of government

## **6. Alternative Theories of Economic Development**

- Culture Hypothesis
- Geography Hypothesis
- Institutions Hypothesis

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### III. Internals (20%)

**Internal marks comprises of the following**

#### a. Quizzes

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### b. Project/ Topic / Case Study Presentation

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### QUALITY ASSURANCE

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### Text and Reference Books:

- Todaro, M. P. and S. C. Smith. (2011). *Economic Development*, 11<sup>th</sup> edition, Palgrave.
- Debraj Ray (1998). *Development Economics*, Princeton University Press.
- Daron Acemoglu and James Robinson (2012). *Why Nations Fails: The Origins of Power, Prosperity and Poverty*, Crown Publishing Group.
- Banerjee and E. Duflo (2012). *Poor Economics*, Public Affairs
- Taimur Rahman.(2012). *The Class Structure of Pakistan*, Oxford University Press.
- Vaqar Ahmed (2017). *Pakistan's Agenda for Economic Reform*, Oxford University Press

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# LOGIC AND CRITICAL THINKING

Course Code: PHPY-351

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION

The most fundamental question of logic is this: Given any two statements, does the one follow from the other? Thus, the “follows from” or “entailment” relation is central to the study of logic. The course is not about how people actually reason a subject more appropriate for psychology or sociology but how one should and should not reason. At the very least, the object is to introduce students to some of the necessary features of sound reasoning through a study of both its formal and informal features. Hence, the course has a strong normative component. Thus, in addition to thinking of logic as the study of entailment, one could think of it as the study of the difference between good and poor reasoning, particularly as these are exemplified in arguments.

Critical thinking is good writing skills, is necessary not only to a well-rounded education, but also to getting along well in one’s private and professional life. Logic alone is not the same as critical thinking. Moreover, one can no more expect critical thinking to be taught in a single course than one would expect good writing or effective speaking skills to be taught in a single course. On the other hand, thinking cannot be “critical” if it violates elementary logical norms. The discipline of logic brings one to awareness of logic’s norms, and can thereby be one’s best friend in the attempt to think critically.

## LEARNING OUTCOME

1. Students should be able to make distinctions among and identify (a) the truth or falsity of beliefs and the truth or falsity of statements (b) the truth or falsity of statements and the validity or invalidity arguments, (c) the emotional appeal of an argument and its logical force, (d) deduction and induction, (e) arguments and explanations, (f) decision procedures and proofs.
2. Students should be able to (a) test the validity of arguments using Venn diagrams, truth tables, and truth trees and (b) construct formal proofs using rules of inference and rules of equivalence. In order to develop these skills it will be necessary to learn the fundamental principles of elementary term logic and elementary propositional (or sentential) logic.
3. Students should appreciate the roles of both deduction and induction in science, including the ways in which these forms of reasoning are used and abused in pseudo-science. Particularly relevant to these questions is learning to mark the distinction between auxiliary and ad hoc hypotheses.

## Week wise distribution of course contents

Weeks	Course Contents
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Week-1	Definition of Logic Logic as a science and an art Scope of logic, the laws of logic Induction and essential characteristics of induction.
Week 2&3	Categorical proposition and classes, Quality, quantity and distribution, The traditional square of opposition, Immediate inferences, conversion, Observation, contraposition, inversion, Existential import.
Week-4&5	Symbolism and diagram for categorical proposition, Three basic uses of language, Discourse serving multiple functions, The form of discourse, Emotive words
Week – 6&7	Kinds of agreement and disagreement Emotively neutral language
<b>MID TERM</b>	
Week 9&10	The purpose of definition, The types of definition, Various kinds of meaning Techniques for defining
Week 11&12	Standard form categorical syllogisms, The formal nature of syllogistic arguments, Venn diagram techniques for testing syllogisms Reducing the number of terms in categorical syllogism, Translating categorical proposition into standard forms
Week 13&14	Rules and fallacies, Uniform translation, Enthymemes, The dilemma, Informal fallacies Fallacies of ambiguity
Week – 15	The avoidance of fallacies
Week – 16	<b>Group Presentations</b>
<b>Final Examination</b>	

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### II. Final Examination (60%)

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)



### **III. Internals (20%)**

#### **Internal marks comprises of the following**

##### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

#### **Text and Reference Books:**

1. Irving M. Copi: Introduction to logic
2. Karamat Hussain: A textbook of Deductive Logic
3. Karamat Hussain: A textbook of Inductive logic

# Introduction to Psychology

**Course Code: PSY-311**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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**Course Objectives:** The main aim is to familiarize students with history, main concepts, methods, and theoretical frameworks in psychology. The course will help students appreciate the human nature and its related concepts, thereby will gain insight into human behavior and human relationships.

**Course Outcome:** After successful completion of this course the students will be able to:

- Have a grasp over basic concepts and theoretical perspectives explaining human behavior. They will be able to appreciate the complexity of human behavior and relationships.
- They will be able to understand Psychology as science and empirical methods used for understanding different aspects of human behavior.

**Course Contents:**

## 1. Understanding Psychology

- Psychology: Scientific perspective
- Historical perspective
- Schools of psychology
- Methods of psychology
- Ethical issues
- Fields of psychology and their application

## 2. Biological Basis of Behavior

- Neuron and its function
- Central nervous system
- Peripheral nervous system
- Endocrine system

## 3. Sensation and Perception

- Senses: Vision, audition, smell, taste and kinesthetic
- Introduction to perception
- Gestalt principles
- Binocular and monocular cues
- Illusions and extra sensory perception

## 4. Learning

- Definition of learning
- Types of learning: Classical and operant conditioning

- Punishment and its effects
- Latent and observational learning

## **5. Memory**

- Definition and types of memory
- Processes and techniques of improving memory
- Forgetting: Nature and causes

## **6. Cognition and Language**

- Concept of cognition
- Problem solving
- Judgment and decision making
- Language development
- Language and cognition
- Language and culture

## **7. Intelligence and Creativity**

- Concept of intelligence
- Theories of intelligence
- Assessment of intelligence
- Mental retardation
- Concept of creativity and its stages

## **8. Motivation and Emotion**

- Introduction to motivation
- Factors affecting motivation
- Introduction to emotions
- Types of emotions
- Physiology and emotion
- Theories of emotion

## **9. Personality**

- Defining personality
- Theories of personality
- Personality assessment

## **10. Social Thinking and Social Influence**

- Social facilitation
- Attribution theory
- Crowd behavior
- Conformity, Obedience
- Helping behavior

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

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### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

## **Text and Reference Books:**

1. Atkinson R. C., & Smith, E. E. (2000).Introduction to psychology (13th ed.). NY: Harcourt
2. Brace College Publishers.
3. Coon, D., &Mutterer, J. (2008).Introduction to psychology: Gateways to mind and behavior
4. (12th ed.). USA: Wadsworth Cengage Learning.

5. Fernald, L. D., & Fernald, P.S (2005).Introduction to psychology.USA; WMC Brown
6. Publishers.
7. Fredrickson, B., Nolen-Hoeksema, S., Loftus, G., & Wagenaar, W. (2009). Atkinson & Hilgard's
8. introduction to psychology (15th ed.). USA: Wadsworth.
9. Glassman, W.E. (2000). Approaches to psychology.Open University Press.
10. Hayes, N. (2000). Foundation of psychology (3rd ed.). UK: Thomson Learning.
11. Kalat, J. W. (2010). Introduction to psychology.USA: Cengage Learning, Inc.
12. Lahey, B. B. (2004). Psychology: An introduction (8th ed.). UK: McGraw-Hill Companies,
13. Inc.
14. Leahey,T. H. (1992). A history of psychology: Main currents in psychological thought. New
15. Jersey: Prentice-Hall International, Inc.
16. Myers, D. G. (2011).Psychology (10th ed.). USA: Wadsworth Publishers.
17. Ormord, J. E. (1995). Educational psychology: Developing learners. USA: Prentice Hall, Inc.
18. Rathus, S. (2011). Psychology: Concepts and connections (10th ed.). USA: Wadsworth Cengage

# Microeconomic Perspective of Economic Development

Course Code: Dev-501

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

This course aims to strengthen the understanding of students to apply general microeconomic concepts to the issues of development, with reference to specific markets, sectors and economies. It familiarizes students with the core concepts and models of production and distribution, specifically under conditions of scarcity – becoming the determinants for issues like poverty, inequality and well-being. This course also introduces students with the theories of economic change at local, national and global levels, with a particular reference to low and middle income countries. This course equips students to develop an understanding of the many contributions of economic analysis to policy formulation – in particular for promoting sustainable development.

## Course Contents

1. Micro foundations of Economic Development
2. The "Laws of Demand" and Applications in Development
3. 'Production and Output Decisions' in Development
4. Market Structure
5. Labour Markets
6. Capital Markets
7. Market Success and Market Failure
8. Macro-Micro Links in Economic Development

## Text and Books Reference:

Banerjee, A. and Duflo, E., 2011. *Poor Economics: Barefoot Hedge-fund Managers, DIY Doctors and the Surprising Truth about Life on Less than \$1 a Day*. Penguin Books: London, UK.

Todaro, M.P. and Smith, D.C., 2011. *Economic Development*. Pearson Education, Addison Wesley. Eleventh edition.

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Group Discussion
- Guest Lectures (optional)
- Term Paper (optional)
- Field Exposure (optional)
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

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### **II. Final Examination (60%)**

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### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

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#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

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# Macroeconomic Perspective of Economic Development

Course Code: Dev-502

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

This module aims to review both the historical as well as conceptual underpinning related to fluctuations in economic development across countries – with specific reference to low and middle-income countries. The unit intends to enhance students learning about global diversity in economic progress and its subsequent impact on human wellbeing. The unit helps in a better understanding of economic theory and other disciplines with reference to economic development. It analyzes economic problems and challenges of low and middle income countries. This deals with a comparative reflection of performances of low or middle income countries with those of high income countries. More so, this module deals with the interactions between low incomes countries to those of high income countries.

## Course Contents

1. Economic Development as the Progress of Ideas
2. Economic Development and Capitalism
3. Inequality and Growth
4. Sustainable Development: a macro perspective on micro behaviour
5. Economic Development and the Role of the State
6. Economic Development and the Role of Finance
7. Economic Development and Agrarian Transformation
8. Migration and Urbanisation



## Text and Books Reference:

Meir, G. M., and J. E. Rauch., eds. 2005. *Leading issues in economic development*. Oxford University Press. Eighth edition.

Todaro, M. P. and Smith S.C. 2012. *Economic Development*. Pearson Addison Wesley.

## Additional Readings

- Bardhan, P. (1993) "Economics of Development and the Development of Economics", *Journal of Economic Perspectives*, 7(2): 129-142
- Hirschman Rothchild - The changing tolerance for inequality - 1973
- Ostrom (2010) on collective governance of the environment
- Fritz, V. and Menocal, A. R. (2007) "Developmental states in the new millenium: concepts and challenges for the new aid agenda"; *Development Policy Review* 25(5):531-552
- Khan, M. (1995) "State failure in weak states. A critique of New Instiitutionalist Explanations"; in: J. Harriss, J. Hunter, C. Lewis (eds) *The New Institutional Economics and Thirld World Development*, Routledge
- Rodrik, D. (2003) *Growth Strategies*
- Chang, H.J (2009), Rethinking public policy in agriculture: lessons from history, distant and recent. *Journal of Peasant Studies* 36:3, 4777-515
- World Development Report (2009) Chapter 5: Factor mobility and migration
- Davis, J. C., and Henderson, J. V. (2003) "Evidence on the political economy of the urbanization process", *Journal of Urban Economics*, 53: 98-125
- M&R: Part I [especially the *Overview* and Section I.C]
- M&R: Part II: *Overview*, Selection II.2; Note II.2, Selection II.4
- M&R: Part VIII: *Overview*, Selection VIII.A.1; Selection VIII.B.1, and VIII.C
- M&R part IX
- M&R, *Overview*, Selection V.1,V.2, V.5
- M&R Part VII, in particular: *Overview*, Selection VII.A.2,VII.A.3.VII.A.5,VII.B.1,VII.B.3, Note VII.A.2
- M&R, *Overview*, Selection VI.B.1, VI.B.2, Note VI.B.1, Selection VI.B.3, VI.B.4, IV.B.5

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Group Discussion
- Guest Lectures (optional)
- Term Paper (optional)
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

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# HISTORY OF ECONOMIC THOUGHT

**Course Code: Econ 603**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: Nil**

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## **COURSE DESCRIPTION:**

The course gives an overview of the history of Economic Thought. It touches the development of economic theories and ideas from earliest times to the present. The emphasis is on 'thought' rather than on 'history'. It provides a survey of economic thoughts from Adam Smith.

## **COURSE OBJECTIVES:**

1. To give a historical consciousness of economic ideas
2. To give an overview of developments in economics

## **COURSE LEARNING OUTCOMES:**

Upon Successful Completion, the Students Should be able to:

- Understand key models and concepts of the history of economic thought
- Understand scholarly articles concerned the history of economic thought
- Have a historical consciousness of economic ideas

## **COURSE CONTENTS:**

- 1) **Classical Economics**
  - Adam Smith; The framework of Classical Economics
  - Thomas Robert Malthus; Elaborations and Cleavages within the Classical system
  - John Stuart Mill; Postscript to Classical Economists
- 2) **Marxian Economics**
  - Karl Marx and the Economics of Das Kapital; Post script to Marxian Economics
- 3) **Neo-Classical Economics**
  - Alfred Marshall; Framework of Neo Classical Economics
  - Pre 1914 variations to Neo-Classical Themes; Post script to Neo-Classical Economics
- 4) **Keynesian Economics**
  - The Economics of Keyes general Theory
  - Post Script to Keynesian Economics
- 5) **Post Keynesian Economics**

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Group Discussion
- Guest Lectures (optional)
- Term Paper (optional)
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

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**Internal marks comprises of the following**

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#### **b. Project/ Topic / Case Study Presentation**

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## **Course Contents**

1. Modernization Theories
2. Growth models
3. Structuralism
4. Dependency theory
5. Basic Needs
6. Neo-Classical
7. Structural Adjustment
8. Post-Development
9. Sustainable Development
10. Human Development

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Group Discussion
- Guest Lectures (optional)
- Term Paper (optional)
- Field Exposure (optional)
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

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- Meier Gerald M., Leading Issues in Economic Development, (Latest Issue), Oxford University Press.
- Thirlwall, A.P., (2003), Growth and Development, With Special Reference to Developing Economies 7th edition, Palgrave Publisher.
- Van Den Berg H., (2001), Economic Growth and Development,\* McGraw Hills.
- Rashid, Salim. Economic Policy for Growth: Economic Development is Human Development\_ (Kluwer Academic Publishers, 2000)
- Balasubramanyam V. and Lall, S. (Latest eds.), Current Issues in Development Economics. McMillan , London.
- Cypher J. M. and Dietz James L., (2004), The Process of Economic Development, Routledge. Tayl or Francis Group, London/New York.
- Ghatak Subarta, (2003), Introduction to Development Economics, Rout ledge, Taylor and Francis Group, London/New York.
- Herrick B. and Kindleberger C., (latest eds.). Economic Development. McMillan, New York.
- Hirshman A. O., (1960). Strategy of Economic Development, Yale University, Press.
- Mahboob-ul-Haq Center for Human Development (MHCHD). Human Development in South Asia, Annual Reports, Islamabad.
- Yotopolous Pan A. and Nugent Jeffery B., Economics of Development, Empirical Investigation (Latest eds.). Harper and Row Publishers, London/New York.

# ECONOMETRICS

**Course Code: Econ-502/552**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: ECON 403: STATISTICS - II**

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## COURSE DESCRIPTION

This course basically focuses on techniques for estimating linear regression models, problems commonly encountered in estimating these models, and on interpreting the estimates of models. As estimation and interpretation are marketable skills so this course will teach basics of econometric theory and practice to inculcate skills for estimation of econometric models with actual data.

## COURSE OBJECTIVES

This course is designed to develop basic understanding in students about econometrics and provide working knowledge of its basic tools. After completion of this course, students

1. Can apply econometric tools for modeling, estimation, inference, and forecasting in the context of real-world economic problems.
2. Be capable to apply appropriate estimation techniques under different types of data/model problems
3. Can evaluate critically the results and conclusions of other researchers.
4. Have a foundation and understanding for advanced level course in econometrics.

## COURSE LEARNING OUTCOMES

On successful completion of this course, students will be able to:

- Apply knowledge of regression technique for analyzing economic data.
- Interpret and Critical to evaluate the outcomes of empirical analysis
- Use elementary procedures for model validation in the single equation context.

## COURSE CONTENTS

### 1: An Introduction to Econometrics

- Why Study Econometrics?
- Methodology of Econometrics
- Types of Econometrics
- Data types and its sources



## 2. The Classical Linear Regression Model (CLRM)

- Simple Regression function
- Population regression function
- Linear regression function
- Linearity in variables and linearity in parameters
- Simple Regression Analysis
- Estimation of regression equation using OLS
- Statistical properties of OLS estimators (BLUE)
- Classical Linear Regression Model (CLRM) and its assumptions
- Estimation of the coefficient of determination

## 3. The Multiple Linear Regression Model (MLRM)

- Multiple Regression Analysis
- Difference between simple and multiple regression analysis
- OLS estimation of multiple regression equation
- Properties of OLS estimators
- Coefficient of determination ( $R^2$ ) and Adjusted  $R^2$
- Testing the significance of Regression coefficients (t-test)
- Testing the overall significance (F-test) of the model
- .

## 4. Regression with Qualitative Explanatory Variables

- Regression with Single Qualitative Explanatory Variable
- Regression with multiple Qualitative Explanatory Variables
- Regression with both Quantitative and Qualitative Explanatory Variables
- Other Uses of Qualitative Variables: Piecewise Linear Regression
- Estimation of Seasonal Effects
- Testing for Structural Change

## 5. Matrix Approach of the Classical Linear Regression Model:

- The multiple regression (K-variable) model in matrix format
- Assumptions of the model
- The Least-Squares estimation procedure in matrix notation
- Properties of the Ordinary Least Squares (OLS) estimators
- Interpretation of the Beta coefficients ( $\beta_1, \beta_2, \dots, \beta_k$ )
- Hypothesis testing using matrix approach
- OLS estimation: variance-covariance matrix of estimators
- Coefficient of determination
- $R^2$  in matrix notations
- Correlation matrix

## 6. Econometric Modeling: Model Specification:

- Model selection criteria
- Types of specification errors
- Consequences of model specification errors
- Tests of specification errors
- Errors of measurement
- Model selection criteria
- Endogeneity and nature of Endogeneity
- OLS estimation in presence of Endogeneity
- Detection of Endogeneity
- BLUE estimators in the presence of Endogeneity
- Consequences of Endogeneity in OLS estimation
- Remedial measures.

## 7. Deviation from the Classical Assumptions:

- Assumptions of the classical model and economic reality
- Relaxation of the assumptions and estimation issues
- Brief introduction to the nature of problems and alternatives.

### (i) Multicollinearity

- Nature and severity of the problem
- OLS estimation of regression equation in the presence of perfect multicollinearity
- Causes of multicollinearity
- Distinction between perfect and partial multicollinearity
- Detection and remedial measures.

### (ii) Heteroscedasticity

- The nature of the problem with reference to economic theory
- Cross-section data and the problem of non-constant variances
- Consequences for OLS estimators
- Detection and remedial measures
- Introduction to the Generalized Least-Squares model (GLS).

### (iii) Autocorrelation

- Autocorrelation and its causes
- Time-series data and emergence of the problem with reference to economic theory
- Serial correlation
- Consequences of autocorrelation for OLS estimators
- Detection and remedial measures



# ECONOMIC GROWTH

**Course Code: Dev - 551**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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## **COURSE DESCRIPTION:**

This course explores theoretical developments in the analysis of economic growth and introduces current debates on evidence and policy relevant to the growth performance of both developed and developing economies.

## **COURSE OBJECTIVES**

1. To introduce the theories of economic growth
2. To understand the issues and on-going debates on development economics.
3. To understand the mechanism of economic success and failures

## **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will be able to:

- UNDERSTAND the insight of economic growth process
- SOLVE and MANIPULATE a variety of simple models in economic growth
- IDENTIFY applications and limitations of the various growth models

## **COURSE OUTLINES:**

### **1. Introduction**

- The Growth Game
- The economics of Growth: Capital, Labor and Technology
- The Historical Record: Kuznets Characteristics of Modern Economic Growth
- The Limited Value of Historical Growth Experience: Differing Initial Conditions

### **2. Concepts and Methods of Growth Theory and Growth Accounting**

- Introduction
- The Variables and Aggregation
- Saving and Investment
- Technology and the Economy
- Rates of Growth
- Steady Growth
- A Brief History of modern Growth Theory

### **3.The Harrod-Domer Model of Economic Growth**

- Introduction
- The Harrod Model
- The First Harrod Problem
- The Harrod Stability Condition
- Domer's Model of Growth
- Harrod and Domer: Some Comparisons

### **4. The Neoclassical/Solow-Swan Growth Model**

- Introduction
- The Assumptions
- The Fundamental Equation of Neoclassical Economic Growth
- Fundamental Propositions of Neoclassical Economic Growth

### **5. Two Sector Models of Economic Growth**

- Uzawa's Two Sector Growth Model
- The Fel'dman Model of Growth

### **6. The Cambridge Critics**

- The Capital Controversy
- The Kaldor Model
- The Pasitti Model

### **7. Optimal Growth, Dynamic Efficiency and Welfare**

- The Golden Rule of Accumulation
- Optimal Growth: Concepts and Problems
- The Keynes-Ramsey Rule

### **8. Theory and Models of Endogenous Growth**

- Human Capital Model
- Research and Development Model

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



# DEVELOPMENT POLICY

**Course Code: Dev 552**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite:** ECON 361: Development Economics

## COURSE DESCRIPTION

This course will provide a review of development theories and empirical evidences on the major drivers of economic development including growth, geography, institutional quality, resource abundance and culture. The focus here is to spell out various policy options and to evaluate their effectiveness in dealing with the developmental issues of developing countries.

## COURSE OBJECTIVES

1. To explore and debate development issues and policies
2. To present an overview of the existing evidence in designing policies for developing countries

## COURSE LEARNING OUTCOMES

Upon Successful Completion, the students should be able to:

- Understand and critically assess the mainstream economic literature relating economic development
- Assess and formulate development policies and develop critical thinking
- Demonstrate the empirical approaches to understand the process of development

## COURSE CONTENTS

### 1. What is Development?

- Describing and analyzing the development landscape of developing countries
- Evolving thinking on development
- Endogenous and exogenous theories of growth, convergence
- Inclusive growth, human development
- Why some countries are rich and others poor?
- East Asian miracles and China

### 2. Growth and Development

- Millennium Development Goals (MDGs)
- Sustainable Development Goals (SDGs)
- Human Development paradigm for development: Beyond growth in income
- Pakistan's progress, Dimensions of development, Development policy beyond MDGs

### 3. Development policy and Governance

- Role of Institutions in Development
- Governance and Corruption
- Globalisation and Changing Role of State

#### **4. Global Influences on Development Policy**

- Policy debate on foreign aid, Pros and cons, and channels of foreign aid
- Trade and International Finance,
- World Trade Organisation (WTO)

#### **5. Poverty and Inequality**

- Defining and measuring poverty, inequality
- Policies to manage poverty
- Income distribution and social welfare
- Middle-income trap,
- Vulnerability, trickledown effect
- Employment and Income Distribution
- Social Entrepreneurship, Role of Microfinance in poverty alleviation

#### **6. Education and Healthcare**

- The role of primary, secondary, tertiary and vocational education in development
- Human Capital Accumulation and Human Development Index

#### **7. Environment and Sustainable Development**

- Food security
- Agricultural Market Interventions and Reforms
- Agricultural Research and Extension
- Water Scarcity and Management
- Mineral Resources and their Exploitations

#### **8. Migration, Urbanization, Issues facing Megacities**

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.





# Public Finance and Devolution

Course Code: Dev-652

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

The course aims to develop an understanding of the impact of government policies on resource allocation and equitable distribution of income. Public economics helps to analyze and identify the effect of public policy on various macroeconomic indicators. The course facilitates to develop the economic and social intuition of government expenditures, Taxes and various social security benefits associated with public financing. It helps the understanding of the effects of public policies and enables students to envisage the consequences of these policies even before they are implemented.

## Course Contents

1. Introduction to Public Finance
2. Public Expenditure Theory
3. Public Choice
4. Externalities
5. Cost Benefit Analysis
6. Income Redistribution
7. Taxation
8. Tax Incidence
9. Taxation and Economic Efficiency
10. Other issues with specific reference to Pakistan

## Text and Reference Books:

Rosen, H. S. (2005). *Public Finance*, 7th Edition, New York, McGraw Hill.

Stiglitz, J. E. (2000). *Economics of Public sector*, 3<sup>rd</sup> Edition, New York, W. W. Norton & Company.

Kemal, A. R. (2001), *Debt Accumulation, Debt servicing and Growth*, PDR, Vol.40.

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities

- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

# NATURAL RESOURCE ECONOMICS

Course Code: Econ - 453

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION

This course explores the use of natural resources from an economic perspective. The course presents the theories of efficient utilization of natural resources and discusses issues related to current practices of use of natural resources. The course introduces students to the principles, reasoning, and techniques required to solve allocation problems under different social objectives. This subject also discusses issues of sustainability, conservation and preservation of natural resources.

## COURSE OBJECTIVES

1. To understand economics and management of natural resources
2. To acquaint students with the various categories of natural resources and the economic theory associated with their optimal use.

## COURSE LEARNING OUTCOMES

Upon successful completion, the Students Should be able to:

- Recognize and Explain the key categories of natural resources;
- Understand the optimal use/depletion of natural resources

## COURSE CONTENTS

### 1. Introduction

- An introduction to natural resource economics
- Economy–environment interdependence
- Natural resource economics: overview

### 2. Reasons of Studying Natural Resource Economics

- Property rights, open access resources, tragedy of the commons
- Market failures, externalities and environmental problems
- Dynamic decisions and irreversible consequences
- Fundamental issues in the economic approach to natural resource economics

### 3. Imperfect Competition in Natural Resource Markets

- Review of basic concepts, perfect competition and imperfect competition
- Economic approach and Economic Efficiency
- Social decision making and socially efficient level
- Economic Methods: Strengths and Weaknesses

#### **4. Natural Resources: Types, Classification and Scarcity**

- Classifications of Natural Resources, renewable and nonrenewable
- Measuring resource scarcity
- Natural Resource use and conflicts

#### **5. Fundamentals of Renewable Resources**

- Open-access resources and steady-state harvests
- Socially efficient resource harvesting
- The dynamics of renewable resource harvesting

#### **6. Economics of Non-Renewable Resources**

- Resource taxonomy (current reserves, potential reserves, resource endowment)
- Price and size of reserves, theory of efficient extraction:
- Hotelling rule, mathematical and graphical explanations

#### **7. Optimal Allocation of Scarce Natural Resources**

- The efficient and optimal use of natural resources
- Resource scarcity and economic growth
- The social welfare function and an optimal allocation of natural resources
- Economic efficiency, allocation of resources and equity

#### **8. Economic Valuation and Evaluation**

- Concepts and measurement of value for decision making
- Direct method of valuation and indirect method of valuation
- Contributions of nature and Non-market valuation methods
- Hedonic models

#### **9. Sustainability, Conservation and Preservation**

- The origins of the sustainability problem
- The pursuit of sustainable development
- Sustainability, Conservation, and Preservation

#### **10. Population Growth and Natural Resources**

- Impact of population growth on economic development
- Poverty, population and natural Resources
- Poverty, inequality and natural Resources

#### **11. Input-Output Analysis, Technology and Environment**

- Origin, derivation and usefulness of the model

#### **12. Computable General Equilibrium Models and Natural Resources Accounting**



# RESEARCH METHODOLOGY

**Course Code: Econ-602**

**Contact Hours: 48**

**Credit Hours: 3.0**

**Prerequisite: ECON 452: STATISTICS-II**

## **COURSE DESCRIPTION:**

This course is designed to enable the students to understand the basics of research and its process adopted in field of economics, which include the research fundamentals, research design, literature review, data sciences, sampling, data analysis and thesis/ report writing

## **COURSE OBJECTIVES:**

By the end of this course following Bloom's Taxonomy the students shall be able:

1. To understand the research process followed in economics.
2. To apply research techniques for analysis of economic problems.
3. To familiarize the students to identify the researchable issues in the economy.
4. To equip the students with basic research techniques of data collection, analysis, writing and presentation.

## **COURSE LEARNING OUTCOMES:**

By studying this course the students shall be able to:

- Identify economic problems and analyze them by using scientific process of empirical inquiry in economics discipline.
- Acquire understanding about conducting research in economics based on certain economic issue.
- Describe the research question; explore the strengths of various methods, and techniques to address the stated problem.
- Apply different computational techniques to analyze the data.

## **COURSE CONTENTS:**

## **1. Introduction**

- Basic Concepts, Definitions, Terminologies

## **2. Research types and designs**

- Research Types; Advantages and disadvantages of different research types
- Research designs; Advantages and disadvantages of different designs

## **3. Literature review**

- Formats, Finding research journals, journals by ranking, themes etc.
- Review styles; Summary of each paper vs. review of many papers under one theme [thematic review]
- Gap finding

## **4. Sampling**

- Types of sampling
- Methods of sampling
- Determining the sample size
- Handling the issues

## **5. Data Sciences**

- Data types: primary and secondary, Qualitative and Quantitative, Cross sectional, Time Series and panel data

## **6. Data analysis**

- Descriptive analysis, Regression, Data Visualization

## **7. Thesis /Report writings**

- Elements of thesis / report; Abstract, Introduction, Review of Literature, Framework of Analysis, Estimation, Results and discussion, and Conclusion.
- References; APA, AMA,MLA and other formats
- Plagiarism and its outcomes to researchers.

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

- Kothari,C.R. *Research Methodology: Methods and Techniques*,New Delhi, Wiley Eastern Limited. Latest Edition.
- Dawson, Catherine *Practical Research Methods*,New Delhi, UBS Publishers, Latest Edition.
- Kumar, Ranjit. *Research Methodology: A Step by Guide for Beginners*, Second Edition, Singapore, Pearson Education. Latest Edition.
- Etheridge Don E. *Research Methodology in Applied Economics: Organizing, planning and Conducting Economic Research*, 2nd Edition. Blackwell Publishing

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# POVERTY AND INCOME DISTRIBUTION

Course Code: Dev601

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Contact Hours: 48

Credit Hours: 3.0

Prerequisite: Nil

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## COURSE DESCRIPTION:

Poverty and income inequality has always been issues of concern for economists. Their empirical analysis is of great significance. This course describes the technical issues related with the empirical analysis of poverty and income inequality.

## COURSE OBJECTIVES:

1. To explain the distributional aspects of national income
2. To familiarize students with the effects of poverty and income inequality
3. To understand the technical issues in the measurement of poverty and inequality

## COURSE LEARNING OUTCOMES:

Upon successful completion, the Students Should be able to:

- Understand the importance of income distribution in economic growth
- Analyse and Interpret the poverty and inequality estimates
- Identify sources and causes of poverty and inequality
- Conduct independent research on poverty and inequality

## COURSE CONTENTS:

### 1. Introduction:

- The concept of poverty, inequality & well-being
- Correlation between inequality & poverty
- Consequences of inequality & poverty
- Determinants / sources of poverty and inequality

### 2. Issues in the Measurement of Poverty & Inequality:

- Unit of well being
- Unit of measurement
- Sampling procedure
- Problems of grouped and survey data
- Issue of relative purchasing power

### 3. Empirical Analysis of Poverty:

- Defining and estimating poverty Lines
- Poverty measures
- Desirable qualities of good poverty measure
- Rigid and adjustable measures

- Sub group poverty analysis
  - Welfare Interpretation of poverty measures
  - Multidimensional Poverty (concept and measurement)
4. **Empirical Analysis of Inequality**
- Approaches to measure inequality
  - Desirable qualities of good inequality measure
  - Classification of inequality measures and details
  - Decomposition of inequality
5. **Empirical Analysis of Welfare**
- Approaches to measure welfare
  - Desirable qualities of good welfare measure
  - Classification of welfare measures and details
  - Decomposition of welfare
6. **Issues in Poverty and Inequality:**
- Migration, inequality and poverty
  - Fiscal measures, inequality and poverty
  - Economic development, Inequality and poverty
  - Globalization, inequality and poverty
7. **Poverty and Inequality in Pakistan:**
- Time series Analysis of inequality, welfare and poverty
  - International comparison

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario analysis.



# Gender Studies and Development

**Course Code: Dev-602**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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## **COURSE DESCRIPTION:**

This course is designed to introduce students to the field of gender and development, and it aims to increase the capacity of our students for rigorous gender analysis, making sense of gender as an important social institution, and to promote awareness of its relevance in historic, economic, political, artistic, social, and scientific contexts. A critical inquiry is welcomed from multiple and overlapping perspectives including (but not limited to) various forms of feminist theory; a range of issues faced by women in Third World nations, including: patriarchy, the political economy of underdevelopment, oppression, women's survival strategies, population issues, and women's relationship with the environment and how gender manifest itself in social, cultural, and political contexts. Gender Studies marks the rich terrain of intellectual inquiry now encompassed by interdisciplinary field, which includes exploration of the histories and experiences of diverse masculinities and femininities. Students will become acquainted with many of the critical questions and concepts feminist thought has developed as tools for the study of gendered experiences. The course would help the students in developing critical understanding of gender issues as well as prepare them to act as agents of change.

## **Course Contents**

1. Introduction to Gender Studies
2. Social Construction of Gender
3. Women and the Feminist Movements: A Global Perspective
4. Introduction to Feminist Theories
5. Gender Roles, Relations and development
6. Approaches to Gender and development
7. Women's growing engagement and activism
8. Gender and Politics
9. Changing notions of development and new emerging theories

### **Text and Reference Books:**

- Ahoja-Patel, Krishna. 2007. Development has a woman's face: insights from within the U. N. World Societies in Transition. New Delhi: APH Publishing.
- Behram, Jere R. (1990). Human Resource Led Development? Review of Issues and Evidence. Geneva: ILO.
- Boserup. E. 1970. Women in Economic Development. London:Allen& Unwin. Caroline Moser.1993. Gender Planning and Development. London: Routledge.
- Chow,EstherNgan-ling. 2002. Transforming Gender and Development in East Asia. New York: Routledge.
- Cornwall, Andrea .2007. Feminisms in Development. London: Zed Books. Harcourt, Wendy.1994. Feminist Perspectives on Sustainable Development. London: ZED Books.
- Porter, Marilyn, and Ellen R. Judd. 1999. Feminists doing development: a practical critique. London: Zed Books.
- Kapadia, Karin. 2002. The Violence of Development. London: Zed Books. Kate Young.1987. Of Marriage and Market. CSE Books.
- Mies, Maria.1985. Patriarchy and Accumulation on the World Scale, London: Zed Books.
- MohibulHaq, Sahibzada. 1997. Poverty Alleviation in Pakistan: Present Scenario and Future Strategy. Islamabad: Institute of Policy Studies.
- Moghadam, Valentine M. 2003. Modernizing women: gender and social change in the Middle East: Women and Change in the Developing World Series. Colorado: Lynne Rienner Publishers.
- Momsen, Janet Henshall. 1991. Women and development in the Third World. London: Routledge.
- Naila Kabeer.1994. Reversed Realities. New Delhi: Verso Books.
- Narasaiah, M. Lakshmi. 2006. Women and Development. New Delhi: Discovery Publishing House.
- Nussbaum, Martha C. 2000. Women & Human Development: The Capabilities Approach. Cambridge: Cambridge University Press.
- Ostergaard, Lisa.1992. Gender and Development, A Practical Guide. London:Routledge. .
- Visvanathan, Nalini. 2005. Women, Gender and Development Reader. New Delhi:Zubaan

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

# POLITICAL ECONOMY

Course Code: Dev 603

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: NIL

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## COURSE DESCRIPTION

This course is expected to provide an overview of political dimensions of an economy. The course will develop basic understanding of the relationship between politics and economy. This course will help to differentiate between political efficiencies and inefficiencies.

## COURSE OBJECTIVES

This course is aimed to meet the following objectives:

1. Definition(s) and basic concepts of political economy
2. To summarise the evolution of political economy
3. Economic and Political Interests in shaping the economic behaviours
4. Explain the political economy from an individual and societal point of view

## COURSE LEARNING OUTCOMES:

Upon successful completion of the course, the students will be able to:

- **ACQUIRE** the fundamental notions of political economy
- **SOLVE** human responses to incentives based on cost-benefit analysis versus norm-based behaviour imbedded in their respective culture
- **EVALUATE** politically efficient and inefficient decisions
- **DEMONSTRATE** the ability to differentiate efficient and inefficient institutions from the perspective of political economy

## COURSE OUTLINE

### 1. Introduction

- Meanings, Definitions and brief Introduction of basic Concepts of Political Economy
- Economic and Political Integration. Policy Reforms and Popular Organizations, key Social and Economic indicators, Political and Economic Institutions and their role in decision-makings
- Linkages of Politics and Economics, Conceptualizing the Changing Global Order.
- Political Economy and the World Order



- Problem of Power and Knowledge: New Millennium, Knowledge, Politics and Neo-Liberal Political Economy
  - New Voices in the Globalization Debate: Green Perspective, Regional Phenomena and State Order, New State Actors, Theory of Economic and Political Exclusion
2. **Regional Dynamics**
- Regionalism and Globalization, The Political Economy of European Integration: European Union and Brexit
  - Regionalism in the Asia-Pacific Political Globalization and the Competition State. Economic Blocks and Political Blocks: ASEAN, Shanghai Cooperation Organisation; SARC, GCC, OPEC etc.
3. **Political Economy of Economic Development**
- International Politics and Transfer of Technology, Sector-Specific Development Limitation.
  - Agriculture and Industry, Political Slogans and their Implementation, International challenge of poverty,
  - The Political Economy of food grain prices, Rural Development. Regional Exporting Blocks and their Markets.
  - Political Economy of Foreign Aid, Foreign Private Investments and Foreign Trades
4. **Political Economy of Pakistan**
- The Economics of Patronage and Elite Capture of the Resources
  - The Political Economy of Land Reforms, Nationalization and Privatization
  - The Elitist Economic Model. Strategies for self-preservation.
  - Civil-Military Relationships
  - Different Political Regimes and Economic Growth and Development Strategies
  - Centre, Provincial and Local Government Relationships
  - The Political Economy of Resource Distributions: NFC Awards, PFC Awards

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.



# INSTITUTIONAL ECONOMICS

Course Code: Dev-604

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION

Today, mainstream economics is investigating which economic factors and human behavior determine economic growth. Alongside these factors, other factors—historical, cultural etc.—also influence choices and behavior—such factors are called institutional factors. This course investigates how “institutions”—broadly construed—determine various social, political and economic outcomes. The course will cover both Original Institutional Economics (OIE) as well as New Institutional Economics (NIE) literature, thereby looking at both formal and informal institutions, causes and possibilities of institutional change as well as on institutional effects on economic growth.

This course discusses the significance of the economics of institutions and in understanding the performance of institutions in developing countries, with a particular focus on the complex political economy analysis. The course builds up on emerging growing interest and literature on governance, the evolution of institutions, and the role of formal and informal institutions in shaping the performance of political and economic systems. More so, the course discusses the role of corruption and rent-seeking, the political and economic transitions, and the institutions appropriate to that transition, the role of the state, the role of democracy and of authoritarianism in economic transitions. The course helps students to deal with both the ‘new institutional’ approaches to these questions and the mainstream policy agenda, as well as introducing students to alternative approaches based on a comparative historical analysis and the policy implications of these ‘political economy’ approaches to the capitalist transition.

## COURSE OBJECTIVES

The course has three basic aims;

1. To familiarize students with basic instruments of microeconomic choice theory
2. To widen perspective of students pertaining to formal and informal constraints that determine behavior.
3. To explain relationship between institutions and economic growth.

## COURSE LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to:

- ACQUIRE basic instruments of microeconomic choice theory.
- UNDERSTAND the formal and informal constraints that determine behavior.
- SOLVE the institutional issues through application of modern microeconomic theory through informed understanding.
- EVALUATE and explain relationship between institutional characteristics and economic growth.

- DEMONSTRATE critical analysis of formal and informal institutions, causes and possibilities of institutional change and institutional effects to economic growth.

## **COURSE OUTLINE**

### **1. Introduction to institutional economics.**

- Historical overview of the original (Veblen, Commons, Foster) and new institutionalists (Coase, North).

### **2. Formal Institutions**

- Institutional constraints in the economy. Legal system as an institution. Property rights, enforcement of the contracts and laws is also under surveillance. Impact of common and civil law to the behavior of markets and economic development.
- Political regulation and other forms of market intervention through institutional theory. The key words of this lecture are regulation, control and politics. Central Bank and Fiscal authorities and their impact on economic growth.

### **3. Informal Institutions**

- Introduction to historical and cultural overview of religious development. Religion as an informal constraint. Max Weber idea of Protestant ethic as a source and basis of today's Western world order.
- Introduction of issues related to inequality: social classes and their impact to economic growth, discrimination and the economic consequences. idea of welfare state and issues related to gender and gender segregation.

### **4. International Institutions:**

- How international institutions like EU, WTO and NATO will affect the institutional framework of nation states. What are the economic consequences of membership and non-membership?

### **5. Institutional Change**

- Development of informal institutions and their change is path dependent and incremental. But what about the change of formal institutions? Who are interested bodies of changing formal institutions? Of course, we have "good" examples of revolutions, reforms, wars and transformation, but how they influence the development path of institutions?

### **6. Rent Seeking and Rent Avoidance.**

- Who changes formal institutions? Under democratic system the interest of majority does? Is this really so and how pressure groups emerge? What is the difference of rent seeking and profit seeking? What is the Social Cost of Rent seeking?

### **8. Coase versus Pigou**

- What to do in the cases or market failures? Is "the traditional" state intervention through Pigouvian taxes and subsidies optimal choice for markets? We are introducing Coase criticism of Pigouvian assumptions and Coase theorem.

## 9. New Political Economy

- We go further from Coase criticism to Pigou and develop critical view over welfare economics. Introducing also rational politicians and the public sector failure, theories provided by Tullock and Buchanan.

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

#### I. Mid Term Examination (20%)

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

#### II. Final Examination (60%)

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

#### III. Internals (20%)

**Internal marks comprises of the following**

##### a. Quizzes

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

##### b. Project/ Topic / Case Study Presentation

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### QUALITY ASSURANCE

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.



## **COURSE CONTENTS:**

### **1. Introduction**

- Emergence and existence of cities
- Clustering of firms and workers
- Expansion and growth of cities

### **2. Land Rent and Land Use Patterns**

- Urban land rent
- Land use patterns
- Neighbourhood choice

### **3. Urban Size and Growth**

- Population growth
- Life expectancy rate
- Mortality rate

### **4. Policy Topics**

- Education and crime
- Transportation
- Housing
- Local Government
  - The role of local government
  - Local government revenue

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)





# Rural Development

Course Code: Dev-606

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

This course aims to equip students with an understanding of a variety of rural theories and frameworks. The many topics covered in this course traces the contemporary processes of rural development and the many forces that shape rural economy and activities. This includes engaging students in discussions around the main trends of economic, social, political, environmental, political, environmental, mobility, vulnerability and sustainability, local governance and government policies - that over the last century have shaped the development of rural areas in the global south. Moreover, the course demonstrates an in-depth knowledge, which is ethnographically informed, towards the understanding of the several important facets experienced by the rural poor in everyday life. This involves analyzing the politics surrounding the technical interventions which are directed to improve the lives of the urban poor.

## Course Contents

1. Economic issues of rural development
2. Social and political issues of American rural development
3. Environmental issues of rural development
4. Rural development and the role of planners
5. Mobility, Vulnerability, and Sustainability

## Text and Reference Books:

1. Daniels, Thomas, J.W. Keller, and M.B. Lapping 1995. The Small Town Planning Handbook. APA Press, Chicago, Illinois.

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

# Conflict, Security and Development

Course Code: Dev-651

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

This course brings together concepts which contribute to the growing recognition of the relationships between the economic processes of development, and the underlying causes and characteristics of conflict, and insecurity. The course is concerned with conceptual issues such as the politics of natural resources, economic theories of conflict, framing theories, peacebuilding, post conflict reconstruction, inequality, vulnerability, the role of NGO's and media, and contextualizing the political economy of war and peace at micro and macro levels i.e. local, national and international, including empirical studies from around the conflict zones.

## Course Content:

1. Global governance, conflict security and development
2. Economic theories of violent conflict
3. The politics of ethnic conflict
4. The regional dimensions of civil war
5. Human security and Liberal Peacebuilding
6. Aid and conditionality
7. Humanitarian and military interventions
8. Conflict resolution and peace settlements
9. Global Civil Society and Transnational Social Movements
10. Framing under-development: representations of development, humanitarianism and conflict

## Text and Reference Books:

- KALDOR, MARY (1999), *New and Old Wars: Organized Violence in a Global Era*. Cambridge: Polity Press. Chapters 1 & 4. Library classmark 355.01 KAL (and via ebook).
- KEEN, D. (2000) 'War and Peace: What's the Difference', *International Peacekeeping*, 7 (4), 1-22.
- COLLIER, PAUL AND ANKE HOEFFLER (2004). 'Greed and grievance in civil war.' *Oxford Economic Papers* 56(4): 563-595.

- KEEN, DAVID (2012). 'Greed and grievance in civil war.' *International Affairs* 88(4): 757-777
- MKANDAWIRE, THANDIKA (2002). "The terrible toll of post-colonial 'rebel movements' in Africa: towards an explanation of the violence against the peasantry." *The Journal of Modern African Studies* 40(2): 181-215.
- BROWN, GRAHAM K. AND ARNIM LANGER (2010). 'Conceptualizing and measuring ethnicity', *Oxford Development Studies* 38(4): 411-436. [provides a useful overview of some of the ontological debates on ethnicity and highlights problems with measurement]
- HALE, HENRY (2004). 'Explaining ethnicity.' *Comparative Political Studies* 449: 458-485.
- ENLOE, C. (1989) 'Gender Makes the World Go Round,' *Bananas, Beaches and Bases: Making Feminist Sense of International Politics*, Berkeley and Los Angeles: University of California, Press: 1-18. [scanned copy available here]
- CHARLESWORTH, H. (2008). Are Women Peaceful? Reflections on the Role of Women in Peace-Building. *Feminist Legal Studies*, 16(3), 347–361. <https://doi.org/10.1007/s10691-008-9101-6>
- ROSS, M. L. (2004), 'What Do We Know About Natural Resources and Civil War?' *Journal of Peace Research* 41(3): 337–356.
- WATTS, M. (2004). 'Resource curse? Governmentality, oil and power in the Niger Delta, Nigeria, *Geopolitics*, 9, 1: pp.50-79.
- Global Witness 1999, 'A crude awakening the role of the oil and banking industries in Angola's Civil War and the plunder of state Assets'.
- ALKIRE, SABINA (2003). 'A conceptual framework for Human Security', *CRISE Working Paper 2*. Oxford: Centre for Research on Inequality, Human Security, and Ethnicity, University of Oxford.
- PARIS, R., 2010, 'Saving Liberal Peacebuilding', *Review of International Studies*, 36, 337-365 (for a critique of Paris' article see Cooper et al (2011) 'The end of history and the last liberal peacebuilder: a reply to Roland Paris', *Review of International Studies*, Vol 37, No. 4., pp. 1995-2007).
- LUTTWAK, E. N., 1999, 'Give war a chance', *Foreign Affairs*, Vol. 78, No. 4, pp. 36-44. [see also Luttwak's application of this thesis to the case of Syria (2013)]
- NATHAN, LAURIE and TOFT, MONICA (2011) 'Correspondence: Civil War Settlement and the Prospects for Peace', *International Security*, 36 (1).
- Fast, L. (2010) 'Mind the gap: Documenting and explaining violence against aid workers', *European Journal of International Relations*, 16 (3), 365-389.
- Collinson, S. and Duffield, M. (2013) 'Paradoxes of Presence: Risk Management and aid culture in challenging environments', *HPG*, March 2013.
- AUTESSERRE, Severine (2012) 'Dangerous Tales: Dominant Narratives on the Congo and their unintended consequences', *African Affairs*,
- HUGHES, C. and PUPAVAC, V. (2005) 'Framing Post-Conflict Societies: International Pathologisation of Cambodia and the Post-Yugoslav States.' *Third World Quarterly*, Vol. 26 (6), pp. 873-889.

## TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## ASSESSMENT ITEMS AND WEIGHTS

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

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#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

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## **International Finance and Development**

**Course Code: Dev-652**

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION:**

This course develops the students understanding of the main sources of financing and the ways in which these sources may optimally contribute to the development process. The course outlines the structure of international capital flows, as well as the domestic sources of financing. By the completion of this course the students would develop an understanding to analyze the impact of national and international policy

measures on these capital flows, and the ability to overcome 'market failures' at global, national and local levels economy.

### **Course Contents:**

This module is split into four main parts. These are:

- (i) The global financial system and proposals for its reform in a context of chronic vulnerability to crisis;
- (ii) The finance of the domestic private sector in developing and 'emerging' countries;
- (iii) The finance of the domestic public sector in developing and transitional countries;
- (iv) Effectiveness of International Finance.

### **Text and Reference Books:**

- William Milberg and Deborah Winkler, *Outsourcing Economics: Global Value Chains in Capitalist Development*. Cambridge University Press. 2013.
- Barry Eichengreen, *Globalizing Capital* Oxford University Press, 2011.
- Charles Kindleberger and Robert Aliber, 2005. *Manias, Panics and Crashes*, John Wiley, Inc.
- Martin Wolfson and Gerald Epstein, Eds. *The Political Economy of Financial Crises*. Oxford University Press. 2013.
- B. Eichengreen, *Towards a new international financial architecture: a practical post-Asia agenda*, Washington DC: Institute for International Economics, 1999.
- Complete issue of *Journal of Economic Perspectives* for fall (autumn) 1999, essays by Mishkin, Rogoff, Caprio, Edwards
- Issue of *IMF World Economic Outlook* on crisis forecasting.
- A.B. Atkinson(ed) *New sources of development finance*, Oxford University Press, 2005.
- G. Ranis, J. Vreeland and S. Kosack(eds) (2005) *Globalisation and the national state: the impact of the IMF and World Bank*, London: Routledge.
- S. Spratt, *Development Finance*, Routledge, 2009.
- Most issues of *Princeton Papers in International Finance* and *IMF Staff Papers*

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

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expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

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### **III. Internals (20%)**

**Internal marks comprises of the following**

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## **QUALITY ASSURANCE**

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## Civil Society and Development

Course Code: Dev-653

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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### COURSE DESCRIPTION:

The course builds up on emerging growing interest and literature on the role of civil society in development. This course examines current debates relating to NGOs' role in global politics, humanitarian interventions and peacebuilding and the future roles of NGOs. More so, this course critically assess NGOs' relationships with a range of other actors including broader civil society, donors and state actors and to explore how these relationships influence NGOs' work. The course will also introduce students to a critical examination of a range of theoretical approaches to the study of development NGOs.

### Learning Outcomes:

By the end of the unit students should have a critical understanding of:

1. Evolving debates on NGOs and development.
2. The diverse roles played by contemporary development NGOs.
3. The different types of NGOs engaged in contemporary development interventions and their relationships with a range of domestic and international actors.

### Course contents

1. NGOs and development: overview and historical perspective
2. Approaches to the study of NGOs
3. NGOs, civil society and the state
4. NGOs and the aid chain
5. Faith-based and non-traditional NGOs
6. NGOs and humanitarianism
7. NGOs, politics and human rights
8. NGOs, advocacy and global civil society
9. NGOs, conflict and peacebuilding

### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

## **QUALITY ASSURANCE**

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## ***Other optional courses***

# **ENVIRONMENTAL ECONOMICS**

Course Code: Econ 485

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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## **COURSE DESCRIPTION**

Environmental economics is a course in applied welfare economics and considers the efficient and equitable use of society's scarce environmental resources. The course explains the interdependencies between the environment and the economy. The course focuses on market failure particularly externalities and common property resources and studies the economic valuation of environmental amenities such as clean air and ecological systems. It also discusses issues of sustainability, conservation and preservation of natural resources.

## **COURSE OBJECTIVES**

1. To demonstrate how environmental problems such as global warming, ozone depletion, air and water pollution are threats to global economy.
2. To understand how environmental problems can be approached and analyzed using economic theory.

## **COURSE LEARNING OUTCOMES**

Upon Successful Completion, the Students Should be able to:

- **EXPLAIN** how economics can be used to address important environmental problems.
- **DEMONSTRATE** how the economy and environment are related
- **EXAMINE** techniques for quantifying the benefits and costs of improving environmental quality

## **COURSE CONTENTS**

### **1. Introduction**

- An introduction to environmental economics
- Economy–environment interdependence
- Main environmental problems
- Environmental economics: An overview

### **2. Reasons of Studying Environmental Economics**

- Market failures, externalities
- Imperfect competition
- Dynamic decisions and irreversible consequences
- Public vs. private goods
- Property rights and open access resources

### **3. Economic Efficiency and Social Efficiency**

- Review of basic concepts
- Economic approach and economic efficiency
- Social decision making and socially efficient level

### **4. Externalities**

- Private costs and benefits

- Social costs and benefits
- External costs and benefits
- Partial welfare analysis of external effects
- Benefits and costs of environmental resources
- Regulation of external effects

#### **5. Environmental Pollution and Control Mechanisms**

- Pollution control: targets
- Pollution flows and stocks
- Privately and socially efficient level of pollution
- Pollution control: Instruments

#### **6. Command and control instruments**

- Economic (market based) instruments
- Institutional instruments
- Instruments: taxes, subsidies, tradable permits
- Pigouvian taxation

#### **7. Criteria for evaluating environmental policies**

- Cost efficiency and cost effectiveness

#### **8. Economic Valuation**

- Concepts and measurement of value for decision making
- Direct method of valuation and indirect method of valuation
- Contributions of non-market valuation methods
- Hedonic models

#### **9. Sustainability and Development**

- Limits to growth
- The origins of the sustainability problem
- The pursuit of sustainable development

#### **10. Population Growth and Natural Resources**

- Impact of population growth on economic development
- Poverty, population and natural Resources
- Poverty, inequality and natural Resources

#### **11. Input-Output Analysis, Technology and Environment**

- Origin, derivation and usefulness of the model

#### **12. Global Environmental Problems**

- Global environmental problems
- Role of international environmental treaties in control of global pollution

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



# WORLD ECONOMIC HISTORY

Course Code: Econ 467

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: ECON 231: ISSUES IN WORLD ECONOMY

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## COURSE DESCRIPTION

This course foundation is based on chronological order of historical events which have shaped the modern economic system. Starting with historical survey of early foundations of modern economic system through the colonial expansion starting with the navigation revolution. The course intends to build students' knowledge on historical events which provided impetus to the rise of imperialism and the colonial expansion into North America, Latin America, Asia and Africa. While emphasis is placed on social, political and economic developments within the European nations which prompted colonial expansion, the primary focus is on how the actual colonies were acquired and the subsequent changes that took place.

The course attempts to provide an essential background to understanding the historical processes by which modern developed nations became developed, and how the underdeveloped "Third World" originated as part of the same historical process.

## COURSE OBJECTIVES

- Students will become familiar with historical events in economic history which have shaped today's modern economic system
- Student will learn about the economic system leaping forward from Agriculture economy to industrial economic system through industrial revolution taking place in England
- Students will develop an understanding regarding colonial system and sub-continent trade and developments under colonial power
- Students will learn the causes of the Great Depression and about the birth of modern macroeconomics and how world economies managed to come out of the crisis
- Students learn about the production system during First and the Second World War and reconstruction through new economic order with creation of World Bank and IMF.

## COURSE LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to:

- **ACQUIRE** the basic background knowledge of world economic system evaluation
- **UNDERSTAND** the colonial economic systems exploitative methods
- **SOLVE** the complex analysis to understand the future dimensions of economic realities
- **EVALUATE** the future role of their nation to improve participation in global economic system
- **DEMONSTRATE** ability to lead the economic system to prevent any future economic crisis if any may happen in future

## **COURSE OUTLINE**

1. European Navigation and the discovery of the Americas, Asia and Africa to the rise of Industrial capitalist system (1492-1770).
2. Origins of the Slave Trade and the Industrial Revolution in England.
3. European trade in the Sub-Continent with special focus on the existing provinces of Pakistan (English and Portuguese trade with Sindh coast.)
4. Colonial expansion in the Sub-Continent and Asia Minor. The East India Company and the Bengal Famine (1770).
5. Rise of labor unions. The coal miners industrial action in America and England. Hay Market and May day (1886) in the United States of America.
6. The Meiji Revolution in Japan (1868-1912).
7. Monopoly Capitalism and colonial expansion leading to the First World War and the Second World War.
8. The Russian political and economic Developments, emergence of Socialism as major economic system in the world.
9. The Great Depression in USA (1929-30).
10. The South East Asia rising as modern Economic Systems. The Financial Crisis 2007-2008. Chinese Rapid growth and expansion. Globalization and its discontents.

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

### **III. Internals (20%)**

**Internal marks comprises of the following**

#### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

#### **b. Project/ Topic / Case Study Presentation**



## **COURSE LEARNING OUTCOMES:**

Upon Successful Completion, the Students Should be able to:

- **EVALUATE** the economic impacts of transport schemes using cost benefit analysis and alternative methods
- **ASSESS** issues relating to transport funding, road pricing and the pricing of public transport.
- **PREPARE** and **PRESENT** a critique of the key economic issues in transport policy.
- **IDENTIFY** the key issues in transport economics and economic appraisal.

## **COURSE CONTENTS:**

1. Introduction to transport economics
2. Mathematics for transport economists
3. Demand for transport: Theory and Practice
4. Supply of Transport: Theory and Practice
5. Pricing of Transport: Theory and Practice
6. Transport Appraisal and Evaluation: Theory
7. Cost benefit analysis and transport investment in developed countries
8. Cost benefit analysis and transport investment in developing countries
9. Road user charging and public transport pricing
10. Transport and the location of economic activity
11. Transport and the level of economic activity

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

### **II. Final Examination (60%)**





# LABOUR ECONOMICS

Course Code: Econ-482

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION

This course is aiming to provide an exposure of the functioning of labour market. This course is expected to impart the skills essentially needed to understand the topics like labour demand and supply, wage determination, labor migration, unemployment, and the role of labor unions.

## COURSE OBJECTIVES:

1. To understand the dynamics of labour market.
2. To understand the employment decisions initiated by the firm.
3. To understand the mechanism of wage determination.
4. To analyze the causes of unemployment for potential policy interventions.

## COURSE LEARNING OUTCOMES:

Upon Successful Completion, the student must be able to:

- UNDERSTAND that how firms make decisions about their need for workers, how workers make labour supply decisions and how wages and other benefits are determined
- IDENTIFY role of migration and labour unions
- Acquire KNOWLEDGE of relevant public policies, such as minimum wage.

## COURSE CONTENTS

1. **Introduction**
  - Introduction of the labour market
  - Important actors of the labour market
  - Importance of the understanding of the labour market.
2. **Labour Supply**
  - Defining and measuring the labour force
  - Factors behind labour supply
  - Understanding the worker's preferences
  - Derivation of labour supply curve
  - Measuring the elasticity of labour supply
3. **Labour Demand**
  - The production function
  - Employment decisions by the firm and factors related to these decisions
  - Cost adjustment and labour demand
  - The effect of minimum wage on labour demand
4. **Labour Market Equilibrium**
  - Labour market equilibrium in a competitive environment

- Competitive equilibrium across labour markets
  - Economic impact of labour force migration
  - The cobweb model in labour market
  - Non-competitive labour markets
5. **Compensating Wage Differentials**
- The Market for risky jobs
  - Hedonic wage estimation
  - Safety and health regulations
  - Compensating wage differentials
  - Health insurance and labor market
6. **Human Capital**
- Education and labour market
  - Present value of education
  - The schooling model
  - Education and earning
  - On-job trainings
7. **The Wage Structure**
- The earnings distribution
  - Explanation of wage inequality
  - Family migration
  - The job match
  - Job turnover and retention policies
8. **Labour Market Discrimination**
- Race and gender based discrimination in labor market
  - Estimation of the coefficient for discrimination
  - Employer discrimination
  - Employee discrimination
  - Discrimination among other groups
9. **Labour Unions and Collective Bargaining**
- Labour union: background and facts
  - Determinants of union membership
  - Unions and monopoly
  - Efficient bargaining
  - Strikes
  - Wage and non-wage effects of union
10. **Unemployment**
- Types of unemployment
  - Mismatching and unemployment
  - Unemployment compensation
  - Intervention in labour markets and unemployment

#### TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



# POPULATION ECONOMICS

Course Code: Econ- 483

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION:

This course familiarize the students with the basic concepts of demography. The course aims to establish initial understanding of the important demographic issues for instance, demographic processes, demographics theories, population characteristics, methods of demographic analysis, and the demographic transitions. In the latter part of the course the focus will be on the issues such as urbanization, family change, population aging, and health related issues.

## COURSE OBJECTIVES:

1. To provide the initial exposure of the important demographic issues.
2. To enable the students to establish the linkages between economic and demographic factors.

## COURSE LEARNING OUTCOMES:

Upon Successful Completion, the Students Should be able to:

- UNDERSTAND the importance of demography
- IDENTIFY the factors related to population policies
- Acquire KNOWLEDGE of the population dynamics of Pakistan.

## COURSE CONTENTS:

### 1. Introduction

- Understanding Demography
- Importance of Demography
- Sources of Demographic Data
- Processes of Demography

### 2. Theories of Population

- Mercantilist Perspective
- Malthusian Theory of Population
- The Marxist Perspective
- John Stuart Mill
- Lujo Brentano's Theory
- Emile Durkheim's Perspective
- The Theory of Demographic Transition
- Theory of Relative Income

### 3. Fertility

- Understanding the Concept
- Measuring Fertility
- Period Measures of Fertility
- Cohort Measures of Fertility
- Fertility Trends
- Fertility & Population Growth in Pakistan

4. **Mortality**
  - Components of Mortality
  - Measuring Mortality
  - Differentials in Mortality
  - Estimates of Mortality in Pakistan
5. **Migration**
  - Definition & Measurement
  - Causes of Migration
  - Internal Vs International Migration
  - Individual & Social Consequences of Migration
  - Migration Trends in Pakistan: Causes & Consequences
6. **Population Composition: Age & Sex Composition**
  - Measuring the Age Composition
  - Measuring the Sex Composition
  - Impact of Population Processes on the Age Composition
  - Impact of Age Composition on Population Processes
  - The Dynamics of Age/Sex Compositions; Age-Stratification Theory
7. **Population Growth & Ageing**
  - Demographic Composition of the Elderly
  - Dynamic Scenarios, Biological & Social Aspects of Aging
  - Implications for the Society
8. **Urbanization**
  - Demographic Components of Urbanization
  - Internal Rural-to-Urban Migration
  - Impact of Population Processes and Urbanization in Pakistan
9. **Population Policy**
  - Need of Population Policy
  - Influencing Population Processes
  - Case Studies of Pakistan

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.



## ECON 462: ISSUES IN PAKISTAN ECONOMY

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION**

This course gives an overview of economic issues of Pakistan. Starting from national income accounts, it carries a detail description of all sectors of the economy. Moreover it also highlights the main problems like poverty, inflation and unemployment. The last section of this course describes the recent challenges to the economy of Pakistan.

### **COURSE OBJECTIVES**

The major objective of the course is to give the students the complete comprehension o socioeconomic issues of Pakistan economy. The students will be able:

1. To have the familiarity with key features of socioeconomic problems and their solutions in Pakistan
2. To understand the process of emerging issues in Pakistan economy
3. To analyze the programs dealing with issues in Pakistan economy

### **LEARNING OUTCOMES**

Upon Successful Completion, the Students Should be able to:

- IDENTIFY the challenges to the economy of Pakistan
- UNDERSTAND the problems to the economy of Pakistan
- HAVE knowledge about the state of economy.

### **COURSE CONTENTS**

1. **Quick Review of National Income Accounts**
  - GDP (Nominal and Real) and GNP
  - Measure of Inflation and Employment
  - Measures of Social Welfare
  - Beyond GDP
    - Basic Needs Approach
    - HDI Approach
2. **Review of Alternative Models of Economic Management**
  - Markets or Liberal Capitalism
  - Socialism or State Capitalism
  - Social Democracy or Mixed Economy
  - Islamic Economics or Islamic Capitalism
  - Pakistan's Models of Economic Management
3. **Agricultural Sector of Pakistan**
  - 1947-58: The Neglected Agriculture Sector
  - The Green Revolution and its Impacts
  - Evaluation of Green Revolution as Development Strategy
  - Critical Analysis of Land Reforms in Pakistan
  - Pakistan's Agricultural Sector: Historical Perspectives and Implications



#### **4. Industrial Sector of Pakistan**

- Composition of Manufacturing Sector
- Process of Industrialization from 1947-58
- The Development Decade of Ayub—1958-68
- The Experimental Regime of Bhutto—1972-77
- Zia Regime and back to the Basics—1977-88
- Industry after Structural Adjustment Program—1988-onwards
- Industrial Development in Pakistan: Factors and Development Programs

#### **5. Fiscal and Monetary Policies and Inflation in Pakistan**

- Fiscal Developments
  - Structure and Trends in Revenue
  - Structure of Expenditures and Trends of Fiscal Deficit
  - Financing of Fiscal Deficit
  - New NFC Award and Medium-Term Budgetary Framework
- Monetary Policy Management and Inflation in Pakistan
  - Understanding Monetary Data
  - Monetary Management
  - Financial Sector Reforms
  - Salient Features of Banking Sector
- Inflation and its Causes in Pakistan

#### **6. Public and External Debts in Pakistan**

- Difference between the two Debts
- Is Debt Creation Always Bad?
- Concerns Regarding Pakistan's Fiscal Deficit
- Reforms to Bring Debt under Control

#### **7. Structural Adjustment Program (SAP) and Pakistan**

- Globalization and Export of Development Thinking
- Composition of SAP
- Implementation of SAP in Pakistan
- Evaluation of the Results of SAP
- Did Pakistan Need to Go for SAP?
- Why Does Pakistan Adopt IMF Program

#### **8. Performance of Pakistan on Foreign Economic Front**

- Understanding BOP accounts
- Trends in BOP
- Composition of Exports and Imports
- Historical Directions of Pakistan's Trade Policy Regimes
- Impacts of Structural Adjustment Program on Trade Policy
- Dealing with Globalization and WTO
- Impacts of Globalization on Poverty and other Socioeconomic Indicators in Pakistan
- Exchange Rate Regimes in Pakistan
- The Weakening Currency of Pakistan
- Why can't Muslims Adopt a Common Currency?

#### **9. Social Sector in Pakistan**

- Health Sector and its Issues
- Education and its Issues
- Gender Inequality
- Regional Inequalities
- Structure of Population

- Population: Asset or Liability?
- Urbanization and Housing Problems
- Infrastructure Development
- Poverty and Income Distribution
  - Measurement Issues of Poverty and Income Inequality
  - Trends in Poverty and Income Distribution
  - The Implications of Poverty and Income Disparity
  - Growth and Poverty?
  - Analysis of Poverty Alleviation Strategies

#### **10. Recent Challenges Facing Pakistan Economy**

- Law and Order Situation
- Energy Crises
- Rising Circular Debt

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

##### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

##### **III. Internals (20%)**

**Internal marks comprises of the following**

###### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

###### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.



# ECON 451: TRADE AND DEVELOPMENT

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite:** ECON 351: INTERNATIONAL ECONOMICS

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## **COURSE DESCRIPTION:**

This course covers the major issues facing developing economies in a global environment. This course exposes students to current policy debates underlying the issues of trade and development.

## **COURSE OBJECTIVES:**

1. To study the linkage between trade and development
2. To understand current policy debates underlying the issue of trade and development.
3. To understand the regulatory framework governing international trade.

## **COURSE LEARNING OUTCOMES:**

Upon Successful Completion, the Students Should be able to:

- UNDERSTAND linkage between trade and development
- UNDERSTAND major issues of trade and development.
- UNDERSTAND international context of trade and development

## **COURSE CONTENTS:**

1. Comparative advantage, trade and protection
2. Trade in goods and technology transfer
3. Pathways to growth and role of trade
4. Global economic crises and impact on trade and development
5. Private Foreign Direct Investment in developing countries
6. Trade in goods and services and financial development
7. Role of Intellectual Property Rights in trade development
8. The political economy of outward dependency and impact of trade on poverty
9. Welfare effect of trade surplus and trade deficit
10. Role of WTO and UNCTAD in trade and development

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

## **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are



# ENERGY ECONOMICS

Course Code: Econ-486

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Contact Hours: 48

Credit Hours: 3.0

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Prerequisite: Nil

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## COURSE DESCRIPTION

This Energy Economics course explores the economics and structure of markets for different energy sources (such as oil, coal, natural gas), with a focus on electricity, industry structure and regulatory framework. It will also try to examine current policy issues arising from electrical energy production and use the relationship with economic growth and the environment

## COURSE OBJECTIVES

- 1) To provide a better understanding and analysis Global energy trends and current situation and
- 2) To enable the students to combine the economic tools with the goals of energy policy.

## COURSE LEARNING OUTCOMES

Upon the completion of the course the students would be able to:

- **DESCRIBE** the oil, natural gas and coal production background history and markets.
- **EXPLAIN** the regulatory framework of the electric utility industry.
- **SUMMARIZE** and explain the major public policy issues regarding energy efficiency and carbon emissions.
- **ANALYZE** energy-related policy issues using standard economic tools.

## COURSE CONTENTS

1. Introduction and Background
  - Global energy trends and current situation
  - Energy and the economy – biophysical foundations
2. Oil industry, history and market structure.
  - Oil, gas, and coal resources – geology, discovery, development, production, refining etc.
  - World distribution of oil resources and production
  - Non-renewable resource scarcity theory
  - Oil markets, market structure, and pricing
  - Oil price shocks and the economy
3. Natural Gas, Nuclear and Coal Industry
  - World distribution of coal, gas, and uranium resources and production
  - Nuclear Energy
4. Supply and Demand for Electricity in the US, Pakistan and rest of the world.
5. State Regulatory Model

6. Economics of electric power production, linear programming and marginal costs
7. Topics in electric tariff design
8. Electric Industry Restructuring
9. Renewable Resources and Portfolio Standards
  - Innovation and learning curve – analysis of alternative energy technologies
  - Renewable energy – wind, solar, geothermal etc.
  - Energy storage

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

##### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

##### **III. Internals (20%)**

**Internal marks comprises of the following**

###### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

###### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

#### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.





- CLARIFICATION of the concept of climate change, its causes and consequences.
- UNDERSTAND the pertinent threats from the climate change to the global and local economy.
- RECOGNIZE the potential measures needed to minimize adverse impact of climate change to the economy.
- UNDERSTAND the ways and means of addressing climate change related research.
- ABILITY TO contribute in policy and development related dialogue pertaining to climate change.

## **COURSE CONTENTS**

- 1. Introduction**
  - Climate Change
  - Climate Change Factors
  - Global Warming
- 2. Causes and Consequences of Climate Change**
  - Green House Gas Effect
  - Trends in Global Carbon Emissions
  - Trends and Projections for Global Climate
- 3. Economic Analysis of Climate Change**
  - Cost-Benefit Studies of Global Climate Change
  - Climate Change and Inequality
- 4. Policy Responses to Climate Change**
  - Adaptation and Mitigation
  - Climate Change Adaptation Studies
  - Climate Change Mitigation: Economic Policy Options
    - Carbon Taxes
    - Tradable Permits
    - Carbon Taxes or Cap and Trade
    - Other Policy Tools such as Subsidies, Standards, R&D, and Technology Transfer
    - The Technical Challenge
- 5. Climate Change Policy in Practice**
  - The Paris Agreement of 2015
  - How adequate or inadequate are the commitments
  - Regional, National and Local Actions
  - Water, Forests and Soils

## **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.



## ECON 231: ISSUES IN WORLD ECONOMY

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION**

This course offers a comprehensive analysis of various issues of global economy within the field of International Economics. It investigates the phenomenon of global economy and seeks to provide understanding of today's increasingly interdependent world. This course recognizes that economy cannot be treated separately from other domains of social studies so such topics as political economic theories and models, historical context, cultural phenomenon, role of information and communication technologies, and others will be discussed.

### **COURSE OBJECTIVES:**

The basic objective of this course is to focus on major global economic issues that characterize the state of our current world. This course aims to give students a deep and a comprehensive understanding of what global economy is and how to manage domestic economy in the context of a dynamic global economy. This course introduces and critically examines the processes involving the increasing interconnection of the world and its effects on people's lives. The course provides an interdisciplinary perspective on major concepts in order to make sense of the changes taking place at a global scale. It also explores existing debates and case studies in order to illustrate the ongoing challenges that communities face.

### **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will:

- LEARN fundamentals regarding the dynamics of the global economy. They will explore characteristics of capitalist and socialist economies; examine new trends in global economy.
- Be AWARE OF data relating to global economic performance and will be able to interpret what they show.
- Have good KNOWLEDGE of the evolution of the world's monetary and trading systems.
- Be able to apply this theory to investigate and better understand contemporary world economic issues.

### **COURSE CONTENTS**

- 1 Economic Geography: An Introduction
- 2 The Historical Development of Capitalism

3	Population
4	Resources and Environment
5	Theoretical Considerations
6	Agriculture
7	Manufacturing
8	Services
9	Transportation and Communications
10	Cities and Urban Economies
11	Consumption
12	International Trade and Investment
13	International Trade Patterns
14	Development and Underdevelopment in the Developing World

#### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

#### **ASSESSMENT ITEMS AND WEIGHTS**

Students will have several opportunities to demonstrate their knowledge and understanding of the subject material taught in the class. Though much of the learning is actually achieved in-class, students are expected to complete certain assignment, quizzes, and mini projects to pass the subject. Students will be assessed according to the following criteria.

##### **I. Mid Term Examination (20%)**

Midterm exam will consist of applied questions, multiple choice and case studies / scenario Analysis.

##### **II. Final Examination (60%)**

The final exam will consist of application of concepts in terms of numerical, MCQ, case study, and questions on guest speaker sessions (if any)

##### **III. Internals (20%)**

**Internal marks comprises of the following**

###### **a. Quizzes**

During the semester, at least four quizzes maybe given to the class. There will be no retake for those who missed the quiz.

### **b. Project/ Topic / Case Study Presentation**

Class will be divided in to reasonable syndicates for case studies / topic presentation/ class project. Each syndicate will present the case / topic according to the recommended format.

### **QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

### **Text and Reference Books:**

- Stutz, F. P., & De Souza, A. R. (1998). *The world economy: Resources, location, trade, and development*. Prentice Hall.
- Stiglitz, J. E. (2002). *Globalization and its Discontents*. New York.
- Dicken, P. (2007). *Global shift: Mapping the changing contours of the world economy*. SAGE Publications Ltd.
- Rosser, J. B., & Rosser, M. V. (2018). *Comparative economics in a transforming world economy*. MIT Press.
- Freidman, T. (2005). *The world is flat*. New York: Farrar, Straus and Giroux.
- Bhagwati, J. (2007). *In defense of globalization: With a new afterword*. Oxford University Press.
- Stiglitz, J. E. (2008). *Making Globalization Work*. WW Norton & Company.

## ECON 351: INTERNATIONAL ECONOMICS

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**Contact Hours: 48**

**Credit Hours: 3.0**

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**Prerequisite: Nil**

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### **COURSE DESCRIPTION:**

The *subject matter of international economics*, consists of issues raised by the special problems of economic interactions among nations. The *subject explains* the gains from trade, the pattern of trade, protectionism, the balance of payments, exchange-rate determination, international policy coordination, and the international capital market.

### **COURSE OBJECTIVES:**

The main objectives of the course are:

1. To apply the theoretical models of trade into practice
2. To introduce the students with alternative trade barriers or enabling the students to critically analyze the pros and cons of free trade vs restricted trade
3. To provide information regarding the overall economic development of the country.

### **COURSE LEARNING OUTCOMES:**

Upon successful completion of the course, the student will be able to:

- UNDERSTAND the existing patterns of international trade and what determines them, or the theories and practices of world trade
- RECOGNIZE the functioning of foreign exchange market and balance of payments
- ANALYZE the implications of international trade for the economies of the world both developing and developed.

### **COURSE OUTLINE:**

#### **1. Introduction**

- International Economics and Economic theory
- The subject matter of International Economics
- Importance of international trade in the changing world

#### **2. Theories of International Trade**

- History of International trade, Pre-classical theories of international trade-Mercantilism, and Physiocracy.

- Classical theories of International Trade - absolute advantage, comparative advantage and reciprocal demand
- Neo-Classical theories of international trade- Opportunity cost theory
- Modern Theory of International Trade- H-O Theory, H-O-S Hypothesis
- Leontief Paradox. Alternative theories of trade-Human Skills. Technology and product cycle theories. Use of indifference curves, offer curves and box diagrams for exposition of trade theory

### 3. **International trade Policies**

- Free trade vs protected trade
- Objectives of commercial policy
- Instruments of trade policies- tariff barriers, non-tariff trade barriers
- GATT, WTO

### 4. **Trade policies in Developing countries**

- Import substituting Industrialization
- Export oriented Industrialization

### 5. **Economic integration**

- Types and reason of economic integration
- The theory of customs union, static and dynamic effects of custom unions. Economic integration among the countries- EU and SAARC
- **The foreign Exchange Markets**
  - Definition and Functions
  - Hedging and Speculation
  - Types and determination of exchange rate
- **The Balance of Payments**
  - Balance of payments accounting
  - Features of balance of payments.
  - Components of balance of payments.
  - Measuring the deficit or surplus of balance of payment

### **TEACHING METHODOLOGY:**

- Lectures
- In Class Activities
- Written Assignments
- Weekly contact of this course is 3 hours.

### **ASSESSMENT ITEMS AND WEIGHTS**

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**III. Internals (20%)**

**Internal marks comprises of the following**

**a. Quizzes**

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**QUALITY ASSURANCE**

The completion of the course evaluation survey is mandatory and will be carried before the start of the final exam. The findings of the survey are used in improving the course as well as its delivery. The survey is conducted by quality enhancement cell of the university and is anonymous.

**Text and Reference Books:**

- Salvatore, D. *International Economics*, (latest edition).Wiley Global Education.
- Krugman, P. R. *International Economics: Theory and policy*, (latest edition), Pearson Education India.
- Francis Cherunilam. *International Economics*,(latest edition), The McGraw-Hill Companies

