

Syllabus template

Semester: III	
Course : Minor	
Paper Title: DEVELOPMENT ECONOMICS AND STATISTICS	
Paper code: B2EC230311T	Credits: 4
Hours/week : 4	
Category: Core/MDC/SEC/VAC : Minor	
Theory / Practical / Composite : Theory	
No of Modules : 2	
<p>Course Overview: 1) To study distinction between economic growth and economic development 2) To study the strategies of development 3) To study the debate of state vs market 4) To study the relation between development & environment 5) To study some basic issues of statistics 6) To study diagrammatic representation of frequency distribution and measures of central tendency</p>	
Course Outcome: Module I	
1. Outline the difference between various measures of development, outline strategies to facilitate growth, recite environmental issues	
2. Explain the various concepts of growth and development, strategies of development, sustainable development	
3. Apply the concepts of growth, development, growth strategies, environment related issues to practical application.	
4. Breakdown the various concepts of paths of growth and development, LLET, BG and UBG models for critical evaluation.	
5. Demonstrate an understanding of the facts of growth, big push, balanced and unbalanced growth and green accounting.	
6. Create capability of the student to design an original homework problem dealing with the various principles of growth and development	
Module 2	
1. Identify the various concepts of statistics, presentation of data, frequency distribution and measures of central tendency.	
2. Describe the various components of collection and representation of data, concepts of variables and attributes and ways of performing exploratory analysis.	
3. Application in the form of the graphical representation and frequency distribution analysis and central tendency measures in numerical problems.	
4. Critically distinguish between the various components of representation of data, variables, attributes measures of studying frequency distributions and central tendencies.	
5. Evaluate the statistical techniques through numerical applications.	
6. Create capability of the student to design an original homework problem dealing with the various principles of statistics.	
Prerequisites: Cumulative knowledge about prior courses	

UNIT/Module	CONTENT	HOURS or NUMBER OF CLASSES	CO Mapping	COGNITIVE LEVEL
1	<p>Unit 1. Distinction between economic growth and economic development, use of per capita income as an index of economic development and its limitations, Human Development Paradigm and Human Development Index, poverty and inequality issues (basic concepts only)</p> <p>Unit 2. Strategies of Development- low level equilibrium trap and big push, balanced growth and unbalanced growth</p> <p>Unit 3. State vs Market.</p> <p>Unit 4. Development & Environment: Basic Issues and Green Accounting.</p>	2 classes per week	CO1-CO6	K1-K6
2	<p>Unit 5. Introduction: Definition of Statistics, Functions of statistics</p> <p>Unit 6. Collecting, Editing and Presentation of Data: Statistical Data: Primary data and Secondary data, Collection of data, Frequency data and non-frequency data, Textual presentation of data, Tabulation of data, Diagrammatic representation of data (Line diagram, Bar diagram, divided bar diagram and Pie diagram)</p> <p>Unit 7. Frequency Distribution: Attribute and Variable, Discrete variable and continuous variable, Frequency distribution of an attribute, Frequency distribution of a variable, Diagrammatic representation of frequency distribution (Column</p>	2 classes per week	CO1-C6	K1-K6

	<p>diagram, Frequency Polygon and Cumulative frequency diagram or step diagram in case of a discrete variable. Frequency polygon, Histogram and Ogive in case of continuous variable.)</p> <p>Unit 8. Measures of Central Tendency: Meaning of central tendency, common measures of central tendency (Arithmetic mean, Median and Mode)</p>			
--	---	--	--	--

Text Books

1. Todaro Smith: Economic Development, Pearson Education, 11th Edition 2) A.P. Thirlwall: Growth and Development, Palgrave McMillan 3) A. L. Nagar and R. K. Das: Basic Statistics (2nd Ed.) Oxford University Pres
2. A.P. Thirlwall: Growth and Development, Palgrave McMillan
3. A. L. Nagar and R. K. Das: Basic Statistics (2nd Ed.) Oxford University Press

Suggested readings

- 1.
- 2.
- 3.

Web Resources

- 1.
- 2.
- 3.
- 4.

Evaluation CIA: 30 marks

End- Semester Examination: 70 marks

Paper Structure for Theory Semester Exam Module :

Module	No. of Questions to be Answered	No. of Alternatives	Marks
1 (45 marks)	3	4	3 x 5 = 15
	3	4	3 x 10 = 30
2 (25 marks)	3	4	3 x 5 = 15
	1	2	1 x 10 = 10
Total Marks			70

Course outcomes (COs) and Cognitive Level Mapping

COs	CO Description	Cognitive levels
	Module 1	

CO1	Outline the difference between various measures of development, outline strategies to facilitate growth, recite environmental issues	K1
CO2	Explain the various concepts of growth and development, strategies of development, sustainable development	K2
CO3	Apply the concepts of growth, development, growth strategies, environment related issues to practical application.	K3
CO4	Breakdown the various concepts of paths of growth and development, LLET, BG and UBG models for critical evaluation.	K4
CO5	Demonstrate an understanding of the facts of growth, big push, balanced and unbalanced growth and green accounting.	K5
CO6	Create capability of the student to design an original homework problem dealing with the various principles of growth and development	K6
	Module 2	
CO1	Identify the various concepts of statistics, presentation of data, frequency distribution and measures of central tendency.	K1
CO2	Describe the various components of collection and representation of data, concepts of variables and attributes and ways of performing exploratory analysis.	K2
CO3	Application in the form of the graphical representation and frequency distribution analysis and central tendency measures in numerical problems.	K3
CO4	Critically distinguish between the various components of representation of data, variables, attributes measures of studying frequency distributions and central tendencies.	K4
CO5	Evaluate the statistical techniques through numerical applications.	K5
CO6	Create capability of the student to design an original homework problem dealing with the various principles of statistics.	K6