

# **NIIT University, Neemrana**

## **Economics**

### **Course Handout**

**Academic Year 2017-18**

#### **Course Information**

<b>Course Code:</b>	<b>ECON 102</b>
<b>Course Title:</b>	<b>Economics</b>
<b>Program:</b>	<b>B. Tech.</b>
<b>LTPC</b>	<b>3 0 0 3</b>
<b>Credit Hours:</b>	<b>45</b>
<b>Course In-charge-</b>	<b>Dr. Gurendra Nath Bhardwaj</b> <b>Email:</b> <a href="mailto:gurendra.bhardwaj@niituniversity.in">gurendra.bhardwaj@niituniversity.in</a> <b>Skype id:</b> Gurendra.bhardwaj <b>Phone (Office):</b> 01494-660627

#### **Course Description**

Nature and scope of economic science, its relationship with other social sciences; quantification of economic variables, theories of consumer behavior and of the firm: linear economic models; market structures; social accounting and basic elements of economic planning.

#### **Learning Outcomes:**

At the end of the course and having completed the essential reading and exercises, the students will be able to –

- Analyze and interpret the relationship between factors influencing demand and supply
- Explain and analyze the nature of production and its relationship to costs.
- Analyze business practices with respect to pricing and competition.
- Understanding the various strategic options in banking sector in the context of consumer behaviour and markets analysis.
- Understand and describe the concepts and measurement of gross domestic product, unemployment, and inflation.
- Understand and describe the difference between business cycles and economic growth and the factors that contribute to each.
- Understand and describe the concept of Macroeconomic Equilibrium.
- Understand and describe how Aggregate Demand and Aggregate Supply determine equilibrium price and output in the short-run and long-run.
- Analyze and describe the concepts, tools, and implementation of fiscal policy, its limitations and relative advantages and disadvantages, and how it affects aggregate economic activity.

- Understanding the concepts, tools, and implementation of monetary policy, its limitations and relative advantages and disadvantages, and how it affects aggregate economic activity.

### **Pedagogy**

Course will be delivered through a combination of different methodologies, like – Lectures, Readings, Simulation, Case studies etc.

### **Nucleus & ERP**

All course related communication will be routed through Moodle (the Learning Management System) and ERP.

### **Student Commitments and Contact Timings**

The students are expected to:

1. Attend and actively participate in all the classes and discussion hours.
2. Students can contact the instructor during and after the office hours. However, taking prior appointment is encouraged to avoid any inconvenience.
3. It is advised that students ask questions and clear all the doubts as and when suitable for both the learner and the instructor.
4. They must come well prepared in the class and it is expected to read all prescribed pre-reading.

### **Session Plan**

<b>Session#</b>	<b>Topics</b>	<b>Learning Outcomes</b>
1-2	Introduction: Micro and Macro economics, Indian economy	Understanding the various elements of economics.
3-4	Demand function, law of demand, supply function, shift in supply and demand, market demand supply curves	Understanding of the meaning of market demand and supply.
5-6	Elasticity of demand & Elasticity of supply: Cross elasticity, price elasticity, income elasticity of demand, factors affecting price elasticity of demand	Understanding price and income elasticities of demand.
7-8	Demand analysis-utility function, indifference curve, consumer's surplus	Understanding of the Law of Demand and how consumers maximize utility.
9-10	Production-basic concepts of production theory, production function, average, marginal, total product, law of diminishing returns	Understanding of the production function.

11-14	Cost concepts-fixed, variable, short run, long run, marginal cost & production, return to scale.	Understanding of cost function.
<b>Mid Sem-I</b>		
15-18	Perfect competition and monopoly, price and output determination under perfect competition and monopoly	Demonstrate an understanding of the market characteristics of perfect competition, understanding of the characteristics of natural monopoly including how a monopolist sets price and how monopoly and competitive outcomes differ.
19-22	Oligopoly, price and output determination under oligopoly	Understanding of the unique characteristics of oligopoly how oligopolies maximize profits and the interdependence between firms.
23-24	Monopoly, monopolistic competition	Demonstrate a basic understanding of the characteristics of monopoly and monopolistic competition.
25-26	Overview of Macroeconomics	Understanding the various elements of Macroeconomics.
27-28	National Income: GDP two measures of national product problems of double counting	Understanding the concepts and measurement of gross domestic product.
29-30	Consumption and investment: Consumption and Saving.	Understanding the concepts of saving and investment in the economy.
<b>Mid Sem-II</b>		
31-32	Aggregate demand and the multiplier: Aggregate demand curve, factor influencing, demand output, determination with saving investment, Meaning of equilibrium, output determination by consummation.	Understand and describe how Aggregate Demand and Aggregate Supply determine equilibrium price and output. The multiplier concept, how it is computed, and its qualifications and limitations.
33-37	Explaining fluctuations with the IS-LM Model	Describe static equilibrium in an open economy using IS-LM framework.
38-39	Fiscal policy and monetary policy its impact on trade and GDP	Describe the concepts, tools, and implementation of fiscal policy and monetary policy, its limitations and

		relative advantages and disadvantages.
40-41	Business cycle and employment: feature of business cycle, business cycle theories, Impact of employment	Describe the difference between business cycles and economic growth and the factors that contribute to each
42-43	Price stability: inflation; definition of inflation price index impact of inflation	Describe the nature and causes of inflation and inflation-employment trade-off
44-45	Money & banking: money supply components of money supply-demand	Understanding the concepts, tools, and implementation of monetary policy, its limitations and relative advantages and disadvantages, and how it affects aggregate economic activity
<b>Comprehensive Examination</b>		

### **Course Resources**

#### **Textbooks**

<b>S. No.</b>	<b>Title</b>	<b>Author</b>	<b>Publication</b>
1.	Economics	Paul A Samuelson, William D Nordhaus Indian Adaption by Sudip Chaudhuri and Anindya Sen 19 <sup>th</sup> Edition, 2017	Tata McGraw-Hill

#### **Reference Books**

<b>S. No.</b>	<b>Title</b>	<b>Author</b>	<b>Publication</b>
1.	Managerial Economics,	Paul G Keat, Philip KY	Pearson
2.	Managerial Economics – Theory, Numerical and Cases	Prof. J. V. Vasihampayan	New Royal Book Company
3.	Macroeconomics	David Miles Andrew Scott	John Willey and Sons
4.	Macroeconomics Theory and Policy	D. N. Divedi	Tata Mc Graw Hill
5.	Macro-Economic Theory and Policy	Prof. J. V. Vasihampayan	New Royal Book Company
6.	Micro Economic Theory and Policy	Prof. J. V. Vasihampayan	New Royal Book Company
7.	Economics	Lipsey Richard	Oxford University Press

### **Assessment and Evaluation**

<b>Evaluation Instruments</b>	<b>Weightage</b>	<b>Mode</b>	<b>Duration</b>
Mid Term Test – I	15%	On Line	60 Minutes
Mid Term Test – II	15%	On Line	60 Minutes
Project Based Learning	25%		
Class Participation	10%		
Comprehensive Examination	35%	On Line	120 Minutes
<b>Total</b>	<b>100%</b>		

### **Themes of Project Based Learning in ECON 102**

1. Auto Components Industry in India
2. Biotechnology industry in India
3. Cement industry in India
4. Indian Food Processing
5. Gems and Jewellery Industry in India
6. Healthcare Industry in India
7. Infrastructure Sector in India
8. Manufacturing Sector in India
9. Indian Pharmaceutical Industry
10. Science and Technology Development in India

### **Evaluation Parameter**

- Report Submission (40%) (Hard and Soft Copy)
- Presentation (40%) (Soft Copy and Oral)
- Skill Development (10%+10%=20%)
  - Pre-project abstract (Hard Copy)
  - Post project executive summary (Hard Copy)

### **Reference**

<https://www.ibef.org/>

<https://www.capitaline.com/SiteFrame.aspx?id=1>

### **Course Policies**

**Make up Policy** - Students might miss one or more components of evaluation because of some genuine reasons and they might be given a make-up of the missed component by the Course In-charge, if the reason was found to be genuine. The students are required to approach the Course In-charge immediately for the same before the

conduct of the evaluation component. It is the responsibility of the student to approach the Instructor-in-charge.

However, if a student misses any evaluation component on the day of evaluation, he should immediately inform the Course Instructor-in-charge and meet him at the earliest to request for the make-up.

The Course Instructor-in-charge may grant up make-up to the students who could not attend the component of evaluation on genuine reason and conduct the make-up within 10 days of the scheduled date. The decision of the Course Instructor-in-charge in this matter shall be final.

**Grading Policy:** The Marks obtained in all the components of Evaluation shall be totaled and the final marks shall be converted in the letter grades, namely, A, B, C, D and E The grading is relative and normally it is centered on the average in a class.

**General Academic Policies:** It is the student's responsibility to be familiar with and adhere to the Academic Policies of the University. These Policies can be found in the Student' Handbook. In case of any doubts, it is the student's duty to seek clarification with the concerned person.

**Supplementary Policies:** Entry into class – students must enter the class before the scheduled time or before the instructor. After that it will be on the instructor's discretion to allow or not.

**Consultation:**

Formal consultation on the topics of course are welcomed and will be entertained by the course in charge and course instructor with prior appointment. Therefore, students are advised to frequently use Nucleus and other electronic media to clear their doubts. However, academic quarries on phone will be highly discouraged. Weekly consultation hours will be Wednesday 3:30 PM to 5:30 PM, in my faculty office (AC-2, Bay-2).