**Department of CS & IT**

**Course Code: ECON 100**

**Offered to: CS & IT (4)**

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| **Week** | **Activity** | **Lecture wise activities for the semester** | **References** |
| 1 | Class work | Introduction to Economics, basic definition and school of thoughts | Ref. 1 Chapter 1 |
| Class work | Microeconomics, macroeconomics, Scarcity, Consumer theory | Ref. 1 Chapter 1 |
| 2 | Class work | Demand and Law of demand, schedule, graph, limitations, Economic systems, | Ref. 1 Chapter 2 |
| Class work &  Assignment | Supply , law of supply, schedule, graph, determinants of supply | Ref. 1 Chapter 3 |
| 3 | Class work | Circular flow of goods and income, Cost and Benefit Analysis | Ref. 1 Chapter 2 |
| Class work | Goods market and factors market, Shortage, surplus and price mechanism | Ref.3 Chapter 2 |
| 4 | Class work | Elasticities, Types of elasticity, Elastic and inelastic demand, | Ref. 2 Chapter 4 |
| Class work &  Assignment | Traditional theory of firm, , the scale of production, | Ref. 2 Chapter 5 |
| 5 | Class work | Marginal rate of substitution, , Profit maximization, approaches of profit maximization. | Ref. 3 Chapter 4 |
| Class work | Opportunity cost and production possibility frontier | Ref. 3 Chapter 3 |
| 6 | Class work | objective of the producer | Ref. 2 Chapter 2 |
| Class work &  Assignment | Cost, types of cost, the concept of isoquant and iso-cost, optimum combination of factors, | Ref. 2 Chapter 2 |
| 7 | Class work | Revenue , types of Revenue , Profit | Ref. 3 Chapter 5 |
| Class work | Law of return to scale | Ref.3 Chapter 6 |
| 8 | Class work | Market, Types of markets | Ref. 2 Chapter 2 |
| Class work &  Assignment | Markets based on economic competition (Introductory treatment) | Ref. 2 Chapter 2 |
| 9 |  | **Midterm exam** |  |
| 10 | Class work | Unemployment and types | Ref. 2 Chapter 4 |
| Class work | Basic Macroeconomics concepts | Ref. 2 Chapter 2 |
| 11 | Class work | GDP, GNP , NNP , National Income, PCI | Ref. 2 Chapter 5 |
| Class work | Circular flow of national income | Ref. 1 Chapter 2 |
| 12 | Class work | Real GDP vs Nominal GDP | Ref. 2 Chapter 3 |
| Class work | Inflation , types of inflation and its causes | Ref. 2 Chapter 4 |
| 13 | Class work | Consumer price index and its relationship with inflation | Ref. 2 Chapter 4 |
| Class work &  Assignment | Economic problems of Pakistan | Ref. 2 Chapter 6 |
| 14 | Class work | Interest rate, and its types | Ref. 2 Chapter 4 |
| Class work | Unemployment and its types | Ref. 2 Chapter 4 |
| 15 | Class work | Economic growth vs Economic development | Ref. 3 Chapter 25 |
| Class work | Monetary Policy of Pakistan | Ref. 2 Chapter 6 |
| 16 | Class work | Fiscal policy, Incidence of taxation | Ref. 2 Chapter 6 |
| Class work | Introduction to taxation | Ref. 3 Chapter 6 |
| 17 | Class work | Sustainable Development Goals | Ref. 2 Chapter 6 |
| Class work | Revision and discussion |  |
| 18 | **Final Term Exam** |  |  |

**Suggested Readings:**

1. Samuelson, P., & Nordhaus, W. (2009). *EBOOK: Economics*. McGraw Hill.
2. Lipsey Richard G, & Alec, C. K. (1999). Principles of Economics.
3. Mankiw, N. G. (2020). *Principles of economics*. Cengage Learning.