Syllabus
For 3rd Semester Courses in Economics
(June 2016 onwards)

Contents:
Theory Syllabus for Courses:
  A.Eco.3.02–Macroeconomic Analysis - I
  A.Eco.3.03–Indian Economy – I (only for 2016-17 year)
  A.Eco.3.03–Basic Introduction to Econometrics – I (w.e.f. 2017)
  A.Eco.3.AC.01–Elementary Statistical Techniques
SYBA

Course: A.ECO.3.02

TITLE: MACRO ECONOMICS ANALYSIS - I

Learning Objectives:
1. To Familiarize students with theoretical macroeconomic analysis and to introduce quantitative application of macroeconomic analysis to data on the Indian economy

Number of Lectures: 45

UNIT I:

Introduction [15 lectures]
1. Distinction between the concepts of short-run and the long-run
2. Concepts of national income and methods of measurement of national income
3. Price Indices: Construction of Price Indices, and distinction between levels and rates of change of indices
4. Concept of unemployment, and measurement of unemployment, with emphasis on the Indian context

UNIT II:

The Classical model of output and employment [15 lectures]
1. Determination of output and employment
2. Say’s Law
3. Demand for money in the Classical Approach
4. Value of Money: Quantity Theory of Money, Friedman’s version of Quantity Theory

UNIT III:

The Keynesian system of output and employment [15 lectures]
1. Keynesian Aggregate Demand, Aggregate Supply and Effective Demand
2. Keynesian Consumption Function
3. Investment Function and the multiplier
4. Keynesian Demand for money, Speculative and Transaction Demands; Tobin’s theory of demand for money

Reference: Brian Snowdon and Howard Vane. Macroeconomics.

C.I.A.: I. Scheduled Test (concepts and short Answers)
       II. Open Book Test
Basic Reference Books:

Course: A.ECO.3.03

TITLE: INDIAN ECONOMY – I (*Note: only for 2016-17 SYBA Batch)

Learning Objective:
To introduce the students to the techniques of analyzing and interpreting data of the Indian economy, through Regression and Time Series

Number of Lectures: 45

UNIT I: 
Indian Economy in the Pre and Post Liberalization Periods [15 Lectures]
1. Structure and organization of rural and urban economies
2. Salient features of the Indian economy (wrt structural changes in national income)
3. Government measures to alleviate poverty and income inequality in India
4. Capital movements in India.

UNIT II: 
Indian Agricultural Sector [15 Lectures]
1. Nature and importance
2. Productivity levels
3. Agrarian reforms and agricultural strategies
4. Rural credit and micro finance
5. Agricultural marketing
6. Agricultural price policy (including food security)

UNIT III: 
Overview of Industrial Development [15 Lectures]
1. Role and problems of large scale and small scale industries and public sector units
2. Industrial policies in India since independence (1948, 1956 and 1991)
3. Disinvestment policy

First C.I.A.: MCQ-Test
Second C.I.A.: Project

List Of Recommended Reference Books
Basic Reference Book :
Indian Economic Development since Independence (edited by Uma Kapila, Academic Foundation Publication, 2010)

Additional References:
Various relevant articles and academic essays from:
1. Economic and Political Weekly, Indian Labor Journal, Kurukshetra, Yojana, RBI publications,
2. IGIDR’s India Development Report, Indian Economic Surveys
3. Reports by TERI and other climate change related institutions in India
SYBA Course: A.ECO.3.AC.01

TITLE: ELEMENTARY STATISTICAL TECHNIQUES

Number of Lectures: 60

Learning Objective:
To make the students conversant with the applications of the statistical techniques for analysis.

UNIT I:
Tabulation & Diagrammatic / Graphic Representation of Data [15 Lectures]
1. Primary and secondary data. Frequency distributions – grouped and ungrouped.

UNIT II:
Measures of Central Tendency and Dispersion [15 Lectures]
1. Mean, median, mode, geometric mean, and weighted average. Quartiles, Deciles and Percentiles.

UNIT III:
Bivariate linear correlation and regression [15 Lectures]
1. Karl Pearson’s correlation coefficient.
2. Regression lines. Relationship between correlation and regression.

UNIT IV:
Probability and Distributions of Random Variables [15 Lectures]
1. Concept of probability and random variable; Theorems of additive and multiplicative probability.

First C.I.A.: MCQ-Test
Second C.I.A.: Project

List Of Recommended Reference Books

Basic Reference Book:

Additional Reference:
Gupta S.P. Statistical Methods