

**Dr. Harisingh Gour Vishwavidyalaya, Sagar M.P.**  
**Department of Economics**  
**Syllabus for B.Sc. III<sup>rd</sup> and IV<sup>th</sup> Semester 2018-19**

**B.Sc. III<sup>rd</sup> SEMESTER**

**ECO-CC-311**

**PRINCIPLES OF MACRO ECONOMICS-I**

**Credits 6 (5+1)**

**PREAMBLE:** This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments.

**UNIT-1 Macro Economics:** Meaning, Definitions Scope and Limitations; Methods of Macro Economics Analysis: Macro Statics, Macro Comparative Statics and Macro Dynamics; Classical Theory of Employment, Say's Law of Market, Wage Cut Approaches of Pigou, Keynesian Theory of Employment. **(18 Hours)**

**UNIT-2 National Income:** Circular flow of Income in Two, Three and Four Sector Economy, Concept, Definitions and Measurement of National Income, Gross Domestic Product (GDP), Net Domestic Product (NDP), Gross National Product (GNP), Net National Product (NNP), Nominal and Real Income; Private, Personal and Personal disposable Income, Significance and Limitations of National Income, National Income and Economic Welfare, Social Accounting Methods. **(20 Hours)**

**UNIT-3 Determination of Economy:** Consumption Function: Meaning, Assumption, Nature and Factors Influencing; Concepts of MPS, APS, MPC and APC, Psychological Law of Consumption; Investment Function: Meaning and Types, Investment and Interest Rate, Marginal Efficiency of Capital (MEC); Theory of Multiplier and Accelerator. **(18 Hours)**

**UNIT-4 Economic Policies:** Fiscal Policy: Meaning, Objectives and Instruments, Causes of the Increasing Public Expenditure in India Monetary Policy: Meaning, Objectives and Implications in Indian Economy. **(16 Hours)**

**UNIT-5 Tax Structure:** Meaning, Definitions, Types of Taxes; Impacts and Incidence of Taxation; Characteristics of Good Tax System; Taxable Capacity: Recommendations of Latest Finance Commission. Goods and Services Tax. **(18 Hours)**

**Essential Readings:**

- Weintrub, E. R. (1974), General Equilibrium Theory, Macmillan, London.
- Borch, K. H. (1968), the Economics of Uncertainty, Princeton University Press Princeton.
- एच. एल. आहूजा, (नवीन संस्करण), उच्चतर समष्टि अर्थशास्त्र, एस.चन्द एण्ड कम्पनी प्रा. लि., नई दिल्ली।
- एच. डॉ. एम. एल. झिंगन, (नवीन संस्करण), समष्टि अर्थशास्त्र, वृंदा पब्लिकेशन्स प्रा.लि. दिल्ली।
- डॉ. टी. एन. हजेला— 'समष्टि अर्थशास्त्र' एनी बुक्स प्राईवेट लि., दरियागंज, नई दिल्ली।
- डॉ. बलवीर सिंह यादव— यूनिवर्सिटी पब्लिकेशन कर्मपुरा, नई दिल्ली।

**Suggested Readings:**

- Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 8th edition, 2007.
- Sikdar, Shoumyen, *Principles of Macroeconomics*, 2nd Edition, Oxford University Press, India
- United Nations Development Programme, Human Dev. Report 8 2010, Palgrave Macmillan (2010).
- Quirk, J. and R. Saposnik (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.

## **Skill Enhancement Course (SEC) I**

### **B.Sc. III SEMESTER**

**ECO-SE-311**

### **DATA ANALYSIS - I**

**Credits – 2**

**PREAMBLE:** This course is to be offered by the students in economics. In order to understand economic problems clearly, the knowledge of quantitative techniques in the area of mathematics and statistics.

- Sources of data. Population, Primary and secondary data.
- Census versus Sample surveys, Random sampling.
- Measures of central tendency: Mean Median and Mode.
- Measures of dispersion: Range, Mean Deviation and Standard deviation.
- Correlation- Karl Pearson's Coefficients of Correlation and Spearman's Rank Correlation Coefficients.

**(30 Hours)**

#### **Essential Readings:**

- Gupta, S.C.(1993), Fundamental of Applied Statistics, S. Chand & Sons, New Delhi.
- Nagar, A.L. and R.K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
- सिंह, एस.पी. (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार एस. चन्द एण्ड कम्पनी लिमिटेड, नई दिल्ली – 110055
- शुक्ल एवं सहाय (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार साहित्य भवन पब्लिशर्स, आगरा।
- प्रो. एस. एल. कोठारी परिमाणत्मक पद्धतियों मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल

#### **Suggested Readings:**

- Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Allen, R.G.D.(1974), Mathematical Analysis for Economists, Macmillan Press and EIBS, London.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London
- डॉ. एस. एम. शुक्ल व्यावसायिक गणित साहित्य भवन पब्लिकेशन्स आगरा।
- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल

## B.Sc. IV<sup>th</sup> SEMESTER

ECO-CC-411

PRINCIPLES OF MACRO ECONOMICS–II

Credits 6 (5+1)

**PREAMBLE::** This is a sequel to Principles of Macroeconomics–I. It analyses various theories of determination of National Income in greater detail. It also introduces students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy.

- UNIT-1 Money in a Modern Economy:** Concept, Nature, Forms and Modern Approach;, Function of Money, Near Money, Quantity Theory of Money; Fisher’s Approach; Cambridge or Cash Balance Approach: Equations of the Marshall, Robertson, Pigou, Keynes. **(18 Hours)**
- UNIT-2 Theory of Interest Rate:** Meaning, and Types of Interest Rate; Marginal Productivity Theory of Interest; Waiting Theory of Interest; Time Preference Theory of Interest; Classical Theory of Interest; Loan-able Fund Theory of Interest; Liquidity Preference Theory of Interest; Modern Theory of Interest: Derivations of the IS and LM Functions. **(18 Hours)**
- UNIT-3 Inflation and Unemployment:** Inflation: Meaning, Definitions, Types, Stages, Causes and Effects; Disinflation, Inflation and Economic Growth; How to Check Inflation; Relationship between Inflation and Unemployment, Phillips Curve: Meaning, Definitions, Causes, Consequences, Effects and Measures. **(18 Hours)**
- UNIT-4 Supply of Money and Creation of Credits:** Various Concepts of Money Supply; Measures of Money Supply; Money Supply and the Velocity of Money; Factors Affecting Velocity of Circulation; Determination of Money Supply; Model of Money Supply; High Powered Money; Creation of Credits. **(15 Hours)**
- UNIT-5 Balance of Payments:** Meaning and Structure of Balance of Payments: Current, Capital Account, Office Reserve Account and Errors and Omissions; Balance of Payments Always Balance, Is Current Account Deficit Always Bad? Disequilibrium in Balance of Payments: Causes and Methods of Correcting, Meaning of Rate of Exchange, Meaning and Functions of Market for Foreign Exchange; Determination of Equilibrium Rate of Exchange. **(18 Hours)**

### Essential Readings:

- Weintrub, E. R. (1974), General Equilibrium Theory, Macmillan, London.
- Borch, K. H. (1968), The Economics of Uncertainty, Princeton University Press Princeton.
- एच. एल. आहूजा, (नवीन संस्करण), उच्चतर समष्टि अर्थशास्त्र, एस.चन्द एण्ड कम्पनी प्रा. लि., नई दिल्ली।
- एच डॉ. एम. एल. झिंगन, (नवीन संस्करण), समष्टि अर्थशास्त्र, वृंदा पब्लिकेशन्स प्रा.लि. दिल्ली।
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- Quirk, J. and R. Saposnik (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.

## Skill Enhancement Course (SEC) II

B.Sc. IV SEMESTER

ECO- SE -411

DATA ANALYSIS - II

Credits – 2

**PREAMBLE:** This course is to be offered by the students in economics. In order to understand economic problems clearly, the knowledge of quantitative techniques in the area of mathematics and statistics.

- Introduction to probability theory- Concept, Rules of probability (Addition and Multiplication).
- Association of Attributes: Meaning, Characteristics and Yule's coefficient of association
- Basics of index numbers: - Concept, characteristics, utility and importance. Points to remember while constructing index numbers, limitations of index number, price and Quantity index numbers.

**(30 Hours)**

### Essential Readings:

- Gupta, S.C. (1993), Fundamental of Applied Statistics, S. Chand & Sons, New Delhi.
- Nagar, A.L. and R.K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
- सिंह, एस.पी. (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार एस. चन्द एण्ड कम्पनी लिमिटेड, नई दिल्ली – 110055
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- प्रो. एस. एल. कोठारी परिमाणात्मक पद्धतियों मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल

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- Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Allen, R.G.D.(1974), Mathematical Analysis for Economists, Macmillan Press and ElBS, London.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London
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- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल

