

<b>Course No.</b>	<b>ECONEP113</b>
<b>Course title:</b>	<b>Basic Statistics for Social Sciences</b>
<b>Nature of Course:</b>	<b>SEC</b>
<b>Number of credits:</b>	<b>3</b>

**Learning Objectives**

This course introduces the student to basic concepts such as central tendency, dispersion, correlation and regression used in social sciences.

**Learning Outcomes**

After completing this course, the students should have developed a clear understanding of measures of central tendency and Dispersion. Understanding of concept of correlation and its applications. Student also will be able to differentiate between correlation and regression.

**Course Outline**

<b>Section/ Block</b>	<b>Title</b>
<b>I.</b>	<b>MEASURES OF CENTRAL TENDENCY</b> <ul style="list-style-type: none"> <li>- Objectives of Averaging, Requisites of a Good Average.</li> <li>- Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean.</li> <li>- Applications and Limitations of Averages.</li> </ul>
<b>II.</b>	<b>DISPERSION</b> <ul style="list-style-type: none"> <li>- Meaning and significance of dispersion.</li> <li>- Measures of dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation,</li> <li>- Coefficient of Variation, Variance: Absolute and Relative measures of variation.</li> </ul>
<b>III.</b>	<b>CORRELATION AND REGRESSION ANALYSIS</b> <ul style="list-style-type: none"> <li>- Correlation: Meaning and significance of the study of correlation; Types of correlation.</li> <li>- Methods of Studying Correlation: Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation. Properties and Interpretation of Correlation Coefficient.</li> <li>- Regression: Meaning and significance, Difference between correlation and regression; Simple Linear Regression equation using least squares method</li> </ul>

**Suggested Readings**

1. Gupta S.P., Statistical Methods, Sultan Chand & Sons, New Delhi.
2. Elhance & Elhance, Fundamentals of Statistics, Kitab Mahal, New Delhi.
3. Lind D.A., W.G. Marchal and S.A Wathen., Statistical Techniques in Business and Economics, Tata Mc Graw Hill, New Delhi.
4. Goon A.M., Gupta M.K., Das Gupta. B. (1999): Fundamentals of Statistics, Vol.II, World Press, Calcutta.
5. Spiegel, M. R. (1967): Theory & Problems of Statistics, Schaum's Publishing Series.
6. Croxton F.E, Cowden D.J and Kelin S (1973): Applied General Statistics, Prentice Hall of India.

Course No.	ECONEP123
Course title:	Economics of Agriculture in Himachal Pradesh
Nature of Course:	SEC
Number of credits:	3

**Learning Objectives:**

Basic objective of this course is to get an overview of different sectors of economy. The course will make student able to assess importance of agriculture and horticulture in the economy of Himachal Pradesh

**Learning Outcomes:**

At the end of the course the student should be able to describe the basic economic concepts associated with agricultural production. The student shall be able to identify the factors contributing to the growth of agriculture in Himachal Pradesh, understand the significance of horticulture in state economy.

**Course Outline**

Section/ Block	Title
I.	<b>Agricultural Production Economics</b> <ul style="list-style-type: none"> <li>- Sectoral Distribution of Economy: Primary, Secondary and Tertiary</li> <li>- Agricultural production; Production function: Cobb- Douglas function</li> <li>- Size of farm and law of returns;</li> <li>- Costs and supply curves; Farm budgeting and cost concepts</li> </ul>
II.	<b>State of Agriculture in Himachal Pradesh</b> <ul style="list-style-type: none"> <li>- Agro-climatic zones and major agricultural crops in Himachal Pradesh</li> <li>- Pattern and Growth of Agriculture in Himachal Pradesh,</li> <li>- Factors Influencing Agricultural Development in Himachal Pradesh</li> <li>- Constraints in Agricultural development, Government schemes for agricultural promotion</li> </ul>
III.	<b>Horticultural in Himachal Pradesh</b> <ul style="list-style-type: none"> <li>- Horticulture production in Himachal Pradesh: nature and trends of production; productivity;</li> <li>- Significance of horticulture to economy of Himachal Pradesh</li> <li>- Costs in Horticulture production; Cost-Benefit analysis of major horticultural crops of Himachal Pradesh</li> <li>- Commercial Production, Marketing, Post-Harvest management; Issues related to horticulture production in Himachal Pradesh</li> </ul>

**Suggested Readings:**

1. U. Kapila (2010): Indian economy since Independence. Academic Foundation, New Delhi
2. S. Chakraborty (:): Development Planning: The Indian Experience. Clarendon Press.
3. Jalan Bimal 1992, The Indian Economy - Problems and Prospects.
4. A. Panagariya (2008): India: the Emerging Giant, Oxford University Press, New York
5. S. Acharya and R. Mohan (Eds.) (2010): India's Economy: Performance and Challenges, Oxford University Press, New Delhi.
6. I. J. Ahluwalia and I. M. D. Little (Eds.) (1998): India's Economic Reforms and Development: Essays for Manmohan Singh, Oxford University Press, New Delhi.