

Course Code : ECON E 3025

Type : Core

Title : Basic Statistics and Research Methodology

Learning Outcomes : At the end of this course, students will be able to compare and contrast statistical techniques and apply them in economic research and analyze and interpret quantitative information.

Course Contents :

Part I:

Presentation of data (frequency and currency), Measures of the general tendency, Measures of dispersion, Income distribution (statistical measurements), Correlation, Analysis of simple regression, Index numbers, Normal distribution and its application.

Part II:

Introduction, Problem identification and hypotheses; Research designs; Methods of data collection; Sampling techniques; Processing and analysis of data; Ethical issues in conducting research; Report generation; report writing and APA/Harvard format

Methods of Teaching and Learning: Seminars, study guides, Tutorials, Assignments

Scheme of Assessment : Assignment 20% Written Test 80%

Recommended Readings : ජයතිස්ස ඩබ්. ඒ; (1995) මූලික සංඛ්‍යාන විද්‍යාව, විස්තරාත්මක සංඛ්‍යානාය, තරංජි ප්‍රින්ට්ස්, 506, හයිලෙවල් පාර, නුගේගොඩ,

ධර්මසිරි, ලාල් මර්වින්; (2004). සමාජීය විද්‍යා පර්යේෂණ, විජේතුංග පොත්ප්‍රකාශකයෝ, කඩවත.

රණසිංහ, පියදාස; (2002). උසස් උපාධි සම්පාදන උපදෙස්, සමාජීය විද්‍යා පීඨය, කැලණිය විශ්වවිද්‍යාලය.

Kothari C.R; (1985) **Research Methodology** (Method and Techniques), WishwaPrakashana, New Delhi.

Lenburg.W; (2007) **Guide to Research**, Viva Books Private Limited, New Delhi.

David, W and William G; (1971) **Introductory Statistics and probability**, Houghton Mifflin company- Boston, USA.

Connor L.R. and Morrell A.J.H; (1972) **Statistics in theory and practice**, Pitmon publishing.

Damodar N.G;(1988) **Basic Econometrics**, McGraw-Hill, Inc, New York.

Greene, H.W;(1993) **Econometric Analysis**, Pearson Education International- Prentice Hall, U.S.A.