

Discipline Specific Elective 15 (DSE-15): Research Methodology for Economics

Semester	Course title & Code	Credits	Duration (per week)			Eligibility Criteria	Prerequisite
			Lecture	Tutorial	Practical/ Practice		
VI/VII	Research Methodology for Economics – ECON044	4	3	1	0	Class 12 th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- The course offers the conceptual and methodological issues in details that go into successful conduction of a scientific research.
- That includes the theoretical and methodological approaches in measurement, proposing and testing hypotheses, scientific communication and the ethical issues in the practice of science.

Learning outcomes

The Learning Outcomes of this course are as follows:

- The students will lean framing research problems, identifying gaps in literature and scientific approaches to conduct both theoretical and empirical research.
- This course will build the capacity to conduct research in the fourth year at the undergraduate level.

Syllabus

UNIT I: Starting a Research Paper (9 hours)

Forming an economic hypotheses; Components of a Research Paper

UNIT II: Sources of Data and Literature (9 hours)

Familiarizing students with a wealth of Secondary Datasets that are available;

Exposing students to the basics of compiling data from Websites; outlets and search engines to study the literature

UNIT III: Creating New Data (9 hours)

Surveys and Experiments

UNIT IV: Analyzing Data (9 hours)

Data Discovery; Causal Inference; Big Data

UNIT V: Writing a Research Paper (9 hours)

Style of writing a Research Paper and Communicating the Results

Recommended readings

- Jacobson, M., Neugeboren, R. H. (2005). Writing Economics. United States: Harvard University. (link)
- Pinker, S. (2014). The Sense of Style: The Thinking Person's Guide to Writing in the 21st Century. United Kingdom: Penguin Publishing Group.

- Greenlaw, S. A. (2005). Doing economics : a guide to understanding and carrying out economic research. Boston: Cengage Learning.
- Thomson, W. (2001). A Guide for the Young Economist. United States: MIT Press.
- Glewwe, Paul; Todd, Petra. 2022. Impact Evaluation in International Development : Theory, Methods and Practice. Washington, DC: World Bank. (link)
- John A. Rice (2007). Mathematical Statistics and Data Analysis, 3rd ed. Thomson Brooks/Cole.
- Deaton, Angus. The analysis of household surveys (reissue edition with a new preface): A microeconomic approach to development policy. World Bank Publications, 2019.
- Haaland, Ingar, Christopher Roth, and Johannes Wohlfart. "Designing information provision experiments." JEL forthcoming
- Duflo, Esther, and Abhijit Banerjee, eds. Handbook of field experiments. Volumes 1& 2. Elsevier, 2017
- List, John A. "Why Economists Should Conduct Field Experiments and 14 Tips for Pulling One Off." The Journal of Economic Perspectives, vol. 25, no. 3, American Economic Association, 2011, pp. 3-15,(link).
- Huntington-Klein, N. (2021). The effect: An introduction to research design and causality. Chapman and Hall/CRC.
- John Cochrane's Writing Group Webpage (link)

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.