School of Humanities and Social Sciences

Courses List

Course Code	Course Title	Credit Structure			
		L	T	P	C
HS 811	Sociolinguistic Fieldwork	3	0	0	6
HS 812	Research Methods in the Social Sciences	3	0	0	6
HS 821	Topics in Time Series Econometrics	3	0	0	6
HS 822	Advanced Economic Theory: Macroeconomics	3	0	0	6
HSS 801	Graduate Seminar	0	0	0	4
HSS 802	Graduate Seminar	0	0	0	4

HS 811   **Sociolinguistic Fieldwork**   **3-0-0-6**

Course Content: This course aims at equipping the Sociolinguistic researchers with chief methods in data collection and field work in Sociolinguistics. It intends to enable them in conducting studies on languages in their social contexts by thoughtful exploration of different methods, examination of which methods suit their research best; evaluation of strength and weaknesses, advantages and disadvantages of each approach; and consideration of the theoretical assumptions underlying different methodological approaches. The course will cover both quantitative and qualitative methodologies, as well as study of both large scale and small-scale research studies. It will also cover the use of ethnomethodology in Sociolinguistic fieldwork and different approaches that can be applied to variationist Sociolinguistics.

References: 1. Schilling, Natalie (2013). Sociolinguistic Fieldwork. Cambridge University Press: London 2. Abbi, Anvita (2001). A Manual of Linguistic Field Work and Indian Language Structures. Lincom Europa.

HS 812   **Research Methods in the Social Sciences**   **3-0-0-6**

Course Content: This course provides an overview of research methods in the social sciences. It is intended to provide a foundation for an understanding of the major approaches in the social sciences to the collection and analysis of quantitative and qualitative data, andthe specification and testing of theories. The course covers the logic of scientific inquiry and various research techniques such as experimentation, scientific sampling, survey research, field methods, archival data, and quantitative analysis that are commonly used by researchers in Economics, Education, Political Science, Psychology, Linguistics and Sociology. It intends to help the students in analysing the research question they are approaching/ want to work on and in finding the most appropriate method for it. It will help students in forming the right questions, designing the questionnaire, collecting data, analysis of data in a nuanced way and then concluding. By becoming familiar with the key paradigms, sources, and methods, students will be equipped to consider readings in social sciences, design their own research projects, and make informed decisions about further research.

References: 1. Babbie, Earl (2013). The Practice of Social Research 13th Edition. Cengage Learning. 2. Somekh Bridget and Lewin Cathy (eds.). (2011). Theory and Methods in Social Research 2nd Edition. Sage: London.

HS 822   **Advanced Economic Theory: Macroeconomics**   **3-0-0-6**

Course Content: Economic growth: Theories and models. The technology of the economy. The neoclassical one sector model of growth. Two sector models of economic growth and planning. The nature and causes of business cycles: Traditional Keynesian models, Real business cycle theory. Microeconomic foundations of Incomplete nominal adjustments. Theories of saving and investment

Long-run consequences of fiscal policy and government debt. Unemployment Inflation and monetary policy

References: 1. Romer, D. Advanced Macroeconomics, McGraw-Hill, New York , 2014. 2. Williamson, S. Macroeconomics, Pearson 2018 (6th edition). 3. Sargent, Thomas J. Dynamic macroeconomic theory. Harvard University Press, 2009. 4. Scarth, W., Macroeconomics: An Introduction to Advanced Methods, third edition, Thomson, 2007

HS 821   **Topics in Time Series Econometrics**   **3-0-0-6**

Course Content: Univariate Stationary Time-series Models: Wold representation theorem, Wold decomposition theorem, ARMA models and Box-Jenkins methodology, Model Selection, Forecasting. Univariate Nonstationary processes: Deterministic and stochastic trends, Integrated process and random walk, Unit root process- Martingale process, test for unit roots.   Modeling volatility: ARCH/GARCH model and its various extensions, Stochastic volatility models, multivariate GARCH modelling. Multivariate Stationary and Non-stationary processes; Vector autoregressive model, Granger causality, Cointegration and Vector error correction model

References: 1. J.D. Hamilton. Time Series Analysis, Princeton University Press, 1994 2. DeJong, David, and Chetan Dave. Structural Macroeconometrics. Princeton University Press, 2011 3. Bauwens, Luc, Michel Lubrano, and Jean-Francois Richard. Bayesian inference in dynamic econometric models. Oxford University Press, Oxford, 2000. 4. Canova, Fabio. Methods for applied macroeconomic research. Princeton university press, 2011. 5. West, Mike, and Jeff Harrison. Bayesian forecasting and dynamic models. Springer Science & Business Media, 2006.

HS 600   **Research communication, ethics and methods**   **3-0-0-P/NP**

Module 1: Research Communication and Technical Writing

Considering the significance of the English language as a tool for communication globally. It is imperative to communicate well in order to be a good academic. The course aims to develop and enhance the linguistic and communicative competence of the students. The focus is on honing the skills of reading, writing, listening, and speaking as well as organizing and conveying the thoughts effectively. The self-learning tasks and group activities will facilitate to enhance effective communication skills in a modern, globalized context.

References:

1. Bovee, Courtland, L., John V. Thill and Barbara E. Schatzman. *Business Communication Today: fourteenth Edition*. Delhi: Pearson Education, 2004.
2. Lesikar, Raymond V and Marie E. Flatley. *Basic Business Communication: Skills for Empowering the Internet Generation: New Edition*. New Delhi: Tata McGraw-Hill Publishing Company Ltd., 2008.
3. Pease, Allan and Barbara Pease. *The Definitive Book of Body Language*. New Delhi: Manjul Publishing House, 2005.
4. Bell, Arthur H. *Tools for Technical and Professional Communication* NTC Publishing Group, Lincolnwood, 2001.

5. Eisenberg, Anne *A Beginner's Guide to Technical Communication* WBC McGraw-Hill, 2013.
6. Hicks, T.G & C.M. Valorie *Handbook of Effective Technical Communication*. 1989.
7. Huckin, T.N. and L.A. Olson *Technical Writing and Professional Communication for Non-Native speakers of English*. 1991.

Module 2: Research Integrity & Ethics

This module will focus on developing research integrity and ethics in students. Students will learn about: (1)reproducibility in research, (2) ethical issues in research, (3) authorship issues in research, (4) proper citing of research, (5) different types of research misconduct, (6) how to deal with research misconduct, (7) working in a research group, (8) open research, (9) effective and responsible data management, (10) research involving human subjects and animals etc. Students will read case studies and papers on these subjects. They will also be expected to make a team- presentation identifying issues with papers that have been retracted.

Textbook

Koepsell, David. *Scientific integrity and research ethics: An approach from the ethos of science*. Springer, 2016.

References

1. Macrina, Francis L. *Scientific integrity*. ASM Press, 2005.
2. https://osc.cam.ac.uk/open-research
3. https://www.embo.org/science-policy/research-integrity
4. https://blogs.biomedcentral.com/bmcblog/2018/02/27/research-integrity-training-by-stealth/

5. Office of Research Integrity. US Department of Health & Human Services. https://ori.hhs.gov/

Module 3 Research Methods

The module introduces the fundamental concepts of research methodology. The topics covered includes:

- ☐ Introduction research methodology, Research approaches, Types of research
- ☐ Experimental skills, Design of experiments,
- ☐ Data collection, measurement, analysis, statistical inferences, and modelling skills

Textbooks and References

(Reading materials will be circulated by the course instructor)

Suggested readings

1. Thiel, David V. *Research methods for engineers*. Cambridge University Press, 2014.
2. Creswel JW. *Research design: Qualitative, quantitative, and mixed methods approaches*. Los angeles: University of Nebraska –Lincoln. 2009.
3. Booth, Wayne C., et al. *The craft of research*. University of Chicago press, 2003.
4. Marczyk G, DeMatteo D, Festinger D. *Essentials of research design and methodology.* John Wiley & Sons Inc; 2005.
5. Flick, Uwe. *Introducing research methodology: A beginner's guide to doing a research project*. Sage, 2015.