

LIST OF FASS GRADUATE-LEVEL METHODOLOGY MODULES (DISCIPLINE SPECIFIC)

Humanities Division

HY6101 HISTORIOGRAPHY: THEORY & ARCHIVE

Prerequisites: NIL

Preclusions: NIL

This module will enable graduate students to make use of a wide range of contemporary historical methods. The focus will be on major historians, current debate about historical practice, theoretical history and historical interpretation. Students will be strongly encouraged to explore the challenges inherent in connecting archival study with theoretical methodologies.

Social Sciences Division

ECA5103 QUANTITATIVE AND COMPUTING METHODS

Prerequisites: NIL

Preclusions: EC5253, EC5304

This is an applications-oriented introductory level module for students who do not have a sufficient training in econometrics. Students who have already completed modules at this level can opt for higher level econometric modules. Students will be provided with hands-on training in computer software such as SAS, EViews and Excel. The module covers probability distributions and statistical inference, matrix algebra, simple and multiple linear regression models, diagnostic testing, dummy variable regressions, time series econometrics including cointegration and error correction models.

EC6103 ECONOMETRIC MODELLING & APPLICATIONS II

Prerequisites: EC5103, EC5154

Preclusions: EC6154

This is a core module for PhD students. It is aimed at providing a good training in econometric theory and applications. It covers some topics already covered in EC5103 but at a more theoretical level. Asymptotic theory, ML and GMM estimation, extremum estimators, non-linear models, simultaneous equations models are among the topics covered under this module.

GE5217 RESEARCH METHODS IN ENVIRONMENTAL SCIENCES

Prerequisites: NIL

Preclusions: GE6215

This course is intended to provide an introduction to integrative aspects of earth environmental sciences, varying from climatology, geomorphology, hydrology to ecology, at the research level. Environmental systems are studied at several scales and research design is examined within the context of experimental methods in physical geography. The course includes lectures, reading assignments and seminars. Students are expected to participate actively throughout. This course is for all graduate students during the first semester in which they are registered in the department of geography. A formal research proposal for beginning graduate students (MA and PhD level) is expected at the end.

NM6102 RESEARCH METHODS IN CNM

Prerequisites: NIL

Preclusions: IF5101, NM5101

This course will prepare graduate students for their dissertation writing by delving into selected quantitative and qualitative methods in depth in the area of communications and new media. Students will have hands-on experience in developing their own research agenda, designing methodologies and conducting independent fieldwork.