

Choosing your MRes modules

This document gives you an overview of the module descriptions (including any pre-requisites for the module choice) followed by the structure for choosing your modules for MRes Economics and MRes Finance.

MRes Module Descriptions

Semester A (15-credit) modules

<p>ECOM130 Topics in Macroeconomics A</p> <p>ECOM131 Topics in Macroeconomics B</p>	<p>These modules cover topics in theoretical and empirical macroeconomics such as: advanced numerical techniques, Markov processes, dynamic programming, recursive competitive equilibrium, real business cycles, asset pricing theory and empirics, consumption theory, contracts and risk sharing, self-insurance, incomplete markets, optimal taxation, fiscal monetary theories of inflation, and equilibrium unemployment. In any particular year the topics covered are at the discretion of the instructors.</p>
<p>ECOM126 Topics in Econometrics A</p> <p>ECOM127 Topics in Econometrics B</p>	<p>These modules cover topics in econometric theory and applied econometrics such as: advanced probability theory, maximum likelihood, GMM estimation, the bootstrap, nonparametric estimation, time series econometrics, identification, causal inference, instrumental variables, natural experiments, and policy evaluation. In any particular year the topics covered are at the discretion of the instructors.</p>
<p>ECOM128 Topics in Financial Economics A</p> <p>ECOM129 Topics in Financial Economics B</p>	<p>These modules cover topics in theoretical and empirical finance such as: expected utility paradigm, portfolio choice and Markowitz theory, the CAPM and CCAPM models, arbitrage pricing theory, stochastic discount factor based asset pricing, incomplete markets, risk management, topics on empirical asset pricing, liquidity, market microstructure models, stochastic calculus, asset pricing in continuous time, derivatives valuation, and term structure models. In any particular year the topics covered are at the discretion of the instructors.</p>
<p>ECOM132 Topics in Microeconomics A</p> <p>ECOM133 Topics in Microeconomics B</p>	<p>These modules consists of a pure microeconomic theory component and an applied microeconomic theory component, which may be taught by different instructors. The pure theory component covers topics such as: advanced game theory, behavioural and experimental economics, decision theory and bounded rationality, social choice, and theoretical political economy. The applied theory component covers topics such as: contracts and incentives in organisations, auctions and matching markets, industrial organisation, and the economics of networks. In any particular year the topics covered are at the instructors' discretion.</p>

Semester B (15-credit) modules:

ECOM110 Advanced Topics in Econometrics	<p>This module covers active research areas in econometric theory and applied econometrics, such as: advanced time series econometrics, structural estimation, financial econometrics, and empirical methods for labour economics, development economics, and the economics of organisations. In any particular year the topics covered are at the discretion of the convenor.</p> <p>Prerequisite: Either ECOM126 Topics in Econometrics A or ECOM127 Topics in Econometrics B</p>
ECOM111 Advanced Topics in Financial Economics	<p>This module covers active research areas in theoretical and empirical finance, such as: advanced corporate finance, market microstructure, high-frequency data, and behavioural finance. In any particular year the topics covered are at the discretion of the convenor.</p> <p>Prerequisite: Either ECOM128 Topics in Financial Economics A or ECOM129 Topics in Financial Economics B</p>
ECOM112 Advanced Topics in Macroeconomics	<p>This module covers active research areas in theoretical and empirical macroeconomics, such as: macro-labour models, business cycles, monetary policy and sovereign debt, and empirical and numerical methods. In any particular year the topics covered are at the discretion of the convenor.</p> <p>Prerequisite: Either ECOM130 Topics in Macroeconomics A or ECOM131 Topics in Macroeconomics B</p>
ECOM113 Advanced Topics in Microeconomics	<p>This module covers active research areas in pure and applied microeconomic theory, such as: experimental game theory, voting models, public goods and networks, and ambiguity aversion. In any particular year the topics covered are at the discretion of the convenor.</p> <p>Prerequisite: Either ECOM132 Topics in Microeconomics A or ECOM133 Topics in Microeconomics B</p>

Dissertation module (90 credits):

ECOM090 MRes Dissertation	<p>This module constitutes the independent research component of the MRes Economics and MRes Finance degrees.</p> <p>Students will be required to establish a dissertation supervisor from the School's academic faculty in the second semester.</p>
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MRes Economics – Structure

Semester A

List 1

Two modules (15 credits), one in Microeconomics and one in Macroeconomics, from the following list:

ECOM130 Topics in Macroeconomics A

ECOM131 Topics in Macroeconomics B

ECOM132 Topics in Microeconomics A

ECOM133 Topics in Microeconomics B

List 2

One (15 credit) module from the following list:

ECOM126 Topics in Econometrics A

ECOM127 Topics in Econometrics B

List 3

One (15 credit) module from the following list (excluding selections from List 1):

ECOM128 Topics in Financial Economics A

ECOM129 Topics in Financial Economics B

ECOM130 Topics in Macroeconomics A

ECOM131 Topics in Macroeconomics B

ECOM132 Topics in Microeconomics A

ECOM133 Topics in Microeconomics B

Semester B

Two (15 credit) modules from the following list (selections should respect the prerequisites listed in the module descriptions below):

ECOM110 Advanced Topics in Econometrics

ECOM111 Advanced Topics in Financial Economics

ECOM112 Advanced Topics in Macroeconomics

ECOM113 Advanced Topics in Microeconomics

Plus (90 credit) module

ECOM090 MRes Dissertation (Semester B and C)

MRes Finance - Structure

Semester A

List 1

The following two (15 credit) modules are compulsory:

ECOM128 Topics in Financial Economics A

ECOM129 Topics in Financial Economics B

List 2

One (15 credit) module from the following list:

ECOM126 Topics in Econometrics A

ECOM127 Topics in Econometrics B

List 3

One (15 credit) module from the following list:

ECOM130 Topics in Macroeconomics A

ECOM131 Topics in Macroeconomics B

ECOM132 Topics in Microeconomics A

ECOM133 Topics in Microeconomics B

Semester B

ECOM111 Advanced Topics in Financial Economics

One (15 credit) module from the following list (selections should respect the prerequisites listed in the module descriptions below):

ECOM110 Advanced Topics in Econometrics

ECOM112 Advanced Topics in Macroeconomics

ECOM113 Advanced Topics in Microeconomics

Plus (90 credit) module

ECOM090 MRes Dissertation (Semester B and C)