

**EC1000    Microeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Subir Bose  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Subir Bose  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Written Assignment	80				

**Intended Learning Outcomes**

By the end of this module, students should be able to:

1. Describe the basic theory of the behaviour of economic and social agents.
2. Define the fundamental concepts – such as objectives, constraints, demand, cost, rationality, equilibrium – comprising the microeconomist's toolkit.
3. Describe simple policy tools (e.g., taxes and subsidies), the contexts in which they might be deployed, and their likely consequences.
4. Demonstrate important insights about strategic behaviour that can improve students' skills when engaged in strategic situations.
5. Describe some basic mistakes and fallacies in decision making. Explain the interface between rationality and emotions in decision making.
6. Demonstrate academic integrity in their submitted work through appropriate use of academic citation and referencing conventions.

**Teaching and Learning Methods**

Learning is based on lectures (20 hours), tutorials (9 hours), and individual work.

**Assessment Methods**

Two pieces of coursework (10% each) and a final exam (80%).

**Pre-Requisites**

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**EC1000    Microeconomics**

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**Co-Requisites**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Online tutorial on avoiding plagiarism

**EC1001    Macroeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Sara Lemos  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Sara Lemos  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
002	Written Assignment	100				

**Intended Learning Outcomes**

At the end of the module a typical student will be able to:

- Evaluate the foundations of the behaviour of the national economy and the public policies that affect it
- Gain knowledge of the concepts of national accounting, GDP, inflation, unemployment, balance of payments, and economic growth.
- Gain knowledge of basic monetary and fiscal policy tools available to government authorities, as well as their likely consequences.
- Apply verbal reasoning, diagrammatic analysis and some techniques from elementary algebra and elementary calculus, to make deductions from simple macroeconomic problems.

**Teaching and Learning Methods**

Lectures will provide the platform for familiarising students with basic macroeconomic principles, as well as with the use of basic algebra, diagrams and deductive reasoning in the analysis of problems that are relevant to real-world international macroeconomic events. Seminars will offer the opportunity to apply these techniques to a variety of exercises. Students will be expected to attempt these exercises beforehand, thus facilitating them in enhancing their problem-solving skills and gaining formative feedback on their work.

**Assessment Methods**

Two hour final exam (100%)

**Pre-Requisites**

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**Co-Requisites**

-

**EC1001    Macroeconomics**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Preparation for tutorials (e.g. attempting solutions).
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC1005 Maths for Economics I**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Asako Ohinata  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Asako Ohinata  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

### Intended Learning Outcomes

On completion of this module typical students will be able to apply mathematical techniques, such as those listed below, to solving analytical and numerical economic problems: algebraic symbols and manipulating algebraic equations; linear equations; powers, series and inverse functions; solving quadratic and simultaneous equations; basic differentiation; identifying maxima and minima; partial differentiation; an introduction to log and exponential functions.

### Teaching and Learning Methods

Lectures (20 hours), tutorials and problem solving classes (18 hours over 9 classes). The two hour tutorial sessions are designed to provide ample time for interactive discussions on the problems prepared and presented by students under the guidance of a tutor. The module will be assessed by Coursework (involving solving analytical questions, 20%) and a final exam (80%).

### Assessment Methods

Coursework (20%) and a final exam (80%).

### Pre-Requisites

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### Co-Requisites

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### Excluded Combinations

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**EC1005 Maths for Economics I**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets.

**EC1007    Statistics for Economists I**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Carlos Diaz Vela  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Carlos Diaz Vela  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	20				
002	Written Assignment	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Demonstrate a clear ability to discuss the following topics:
  1. Descriptive Statistics
  2. Probability
  3. Probability Distributions
  4. Sampling and Sampling Distributions
  5. Interval Estimation
- Apply the theoretical concepts learned in each topic above to real-world problems.
- Critically analyse statistical results.

**Teaching and Learning Methods**

Lectures (20 hours), tutorials (problem solving classes, 9 hours). The module will be assessed by two hour written examination (80%) and coursework (45 minute mid-term test, 20%). At the end of each topic there will be formative online multiple choice tests that the students can take to assess their progress throughout the module.

**Assessment Methods**

Coursework and Exam (final).

**Pre-Requisites**

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**Co-Requisites**

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**EC1007 Statistics for Economists I**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets. Prepare for mid term test and final exam.



**EC1008 Maths for Economics II**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** R Emre Aytimur  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** R Emre Aytimur  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

### Intended Learning Outcomes

On completion of this module typical students will:

- Be able to define mathematical terminology and concepts commonly used in a modern Economics degree.
- Be able to define first-order differential equations.
- Be able to demonstrate how economic functions are expressed in mathematical terms.
- Be able to solve simple Economics problems involving algebra and calculus such as; solving simultaneous equations using matrix algebra tools, finding constrained and unconstrained optima, interpreting first and second order conditions, applying simple integration techniques, applying simple financial mathematics techniques.

### Teaching and Learning Methods

Lectures (20 hours), problem-solving tutorials (18 hours). The two hour tutorial sessions are designed to provide ample time for interactive discussions on the problems prepared and presented by students under the guidance of a tutor. The module will be assessed by a two hour final exam.

### Assessment Methods

Two hour exam (100%).

### Pre-Requisites

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### Co-Requisites

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### Excluded Combinations

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### EC1008 Maths for Economics II

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#### **Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets.

**EC1009     Statistics for Economists II**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Aliya Kenjegalieva  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Aliya Kenjegalieva  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Demonstrate knowledge of the techniques of statistical estimation, hypothesis testing (for means, proportions, variances, differences between two means), analysis of variance and nonparametric testing.
- Apply these techniques to the analysis of data
- Use IT for the manipulation, presentation, and analysis of data
- Write-up the results of a data-analysis report

**Teaching and Learning Methods**

Lectures (20 hours), computer classes (10 hours over 5 classes), seminars (5 hours). The module will be assessed by two hour written examination (80%) and coursework (1500 words data analysis report, 20%).

**Assessment Methods**

Coursework and exam (2 hour).

**Pre-Requisites**

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**Co-Requisites**

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**Excluded Combinations**

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**EC1009 Statistics for Economists II**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets. Prepare the data used for the report, and perform the required analysis.

**EC1011 Probability and Probability Distributions**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** James Rockey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** James Rockey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

**Intended Learning Outcomes**

At the end of the module a typical student will be able to:

- Calculate descriptive statistics from grouped and ungrouped data.
- Formulate problems in a probabilistic manner.
- Derive properties of standard univariate and multivariate probability distributions expressed in a mathematical form
- Demonstrate familiarity with basic theorems relating to expected values of functions of random variables

**Teaching and Learning Methods**

Lectures (20 hours), directed reading, problem solving classes (18 hours). The two hour tutorial sessions are designed to provide ample time for interactive discussions on the problems prepared and presented by students under the guidance of a tutor. The module will be assessed by a problem-based examination (100%).

**Assessment Methods**

Examination (100%).

**Pre-Requisites**

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**Co-Requisites**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets.

**EC1012 Statistical Inference**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Jingyi Mao  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		1.5		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Jingyi Mao  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

### Intended Learning Outcomes

On completion of this module, the typical student should be able:

- to use the concepts of a random sample and random variables and be able to show the various steps involved in the derivation of the sampling distribution of the sample mean to make inferences about the population;
- to use statistical tables relating to the Normal, Chi-squared, F- and t-distributions and be able to explain the role of the Central Limit Theorem in statistical decision making;
- to describe the concept of point and interval estimators and the various statistical properties to evaluate the appropriateness of estimators in given situations;
- to be aware of alternative methods of finding estimators and will be able to derive estimators such as maximum likelihood estimators;
- to construct and interpret appropriate confidence intervals and conduct the relevant statistical hypotheses tests for: means, variances, difference between two and more means and the ratio of two variances;
- to undertake correlation and simple regression analysis; and make appropriate statistical inferences using hypothesis tests and Goodness of Fit measures;

### Teaching and Learning Methods

Lectures (20 hours), problem-solving classes (15 hours). The module will be assessed by Coursework (20%) and a problem-based exam (80%). Students will use data and statistical packages, either Execl or STATA, for the manipulation, presentation, and analysis of data.

### Assessment Methods

Coursework (20%), exam (80%).

### Pre-Requisites

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**EC1012 Statistical Inference**

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**Co-Requisites**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets. This module will develop particular skills including the ability to analyse, interpret, synthesise and present statistical information.

**EC1013    Calculus and Optimisation**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Piotr Denderski  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Piotr Denderski  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

**Intended Learning Outcomes**

On completion of this module, a typical student should be able to:

- Graph, algebraically manipulate, differentiate and integrate (when possible) combinations of elementary functions (constants, linear, polynomial, rational, exponential, logarithmic and trigonometric).
- Understand concepts of continuity and differentiability of a function
- Explain the relationship between derivatives, rates of change, marginal concepts and elasticities.
- Explain the relationship between integrals, areas and economic surpluses.
- Formulate simple economic models as systems of equations to solve them and carry out comparative statics exercises.
- Formulate and solve static optimisation problems involving one decision variable.
- Formulate and solve two-variable static unconstrained optimisation problems using first order conditions.
- Formulate and solve two-variable static constrained optimisation problems with equality constraints, using first order conditions and the Lagrange multiplier method.
- Use constrained optimisation to solve the Utility Maximisation Problem of a consumer.
- Explain the implications of the Envelope Theorem for optimisation problems.
- Provide an economic interpretation of the Lagrange multipliers in a utility maximisation problem and in a cost minimisation problem.

**Teaching and Learning Methods**

Lectures (20 hours), tutorials (problem solving classes, 9 hours), directed reading, example sheets assessment will include. Problem-based coursework (20%) and a problem-based final examination (2 hours, 80%).

**Assessment Methods**

Coursework and exam (final).



**EC1013    Calculus and Optimisation**

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**Pre-Requisites**

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**Co-Requisites**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets.

**EC1014 Linear Algebra**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Svetlana Andrianova  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Svetlana Andrianova  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

**Intended Learning Outcomes**

At the end of this module, a student should be able to:

- Analyse systems of linear equations
- Apply the algebra of vectors and matrices
- Invert matrices
- Calculate determinants
- Test for definiteness of quadratic forms
- Solve general optimisation problems

**Teaching and Learning Methods**

Lectures (20 hours), directed reading, problem solving classes (9 hours). The module will be assessed by a two hour final examination (80%) and coursework (midterm test, 20%).

**Assessment Methods**

By a two hour final examination (80%) and coursework (20%)

**Pre-Requisites**

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**Co-Requisites**

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**Excluded Combinations**

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**EC1014 Linear Algebra**

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**Guided Independent Study: Indicative Activities**

Preparing for tutorials by trying to solve problem sets before sessions so that students can receive feedback on their attempts and clarify any questions raised by those problem sets.

## EC1020 Topics in Applied Microeconomics

<b>Academic Year:</b> 2019/0 <b>Module Level:</b> Year 1 <b>Scheme:</b> UG <b>Department:</b> Economics <b>Credits:</b> 15	<b>Student Workload (hours)</b> Lectures Seminars Practical Classes & Workshops Tutorials Fieldwork Project Supervision Guided Independent Study Demonstration Supervised time in studio/workshop Work Based Learning Placement Year Abroad Total Module Hours
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**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Matthias Dahm  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
002	Coursework (portfolio)	100				
004	Individual Essay	100				Y

### Intended Learning Outcomes

On completion of this module, a typical student should be able to:

- Identify important economic trade-offs in the real world and discuss economic issues related to the behaviour of economic agents.
- Read and discuss up-to-date research papers in Economics.
- Describe and discuss the modelling assumptions that economists have used to isolate economic issues.
- Gain direct experience of strategic interactions through in-class experiments and interactions.
- Develop group work and presentation skills by working collaboratively to apply economic concepts in explaining and analysing real world situations.
- Reflect on and articulate motivations, strengths, and experiences of developing one or more transferable skills.

### Teaching and Learning Methods

Lectures will be highly interactive and focused on practically applying the concepts developed in the corresponding EC1000 course. This is facilitated through the use of experiments and discussions during Lectures, as well as group assignments conducted both as part of the coursework portfolio, and the seminars accompanying the module. Students are expected to prepare the seminars in advance, and hence have the opportunity to discuss their approach to the assignment and, as a result, receive formative feedback for their work. The module will contribute to student's future employability by identifying and reflecting on personal values, strengths, interests, and motivations; recognizing the impact external and internal factors can have on own (future) decision making; recognizing potential opportunities for furthering personal insight.

### Assessment Methods

Coursework portfolio.

### Pre-Requisites

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### Co-Requisites

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### Excluded Combinations

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### Guided Independent Study: Indicative Activities

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**EC1021 Topics in Applied Macroeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 1  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** R Emre Aytimur  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework Portfolio	100				

**Intended Learning Outcomes**

On successful completion of the module, students should be able to:

- Identify empirically-motivated macroeconomic questions, of both historical and contemporary interest and in an international context, analyse them through a wide range of perspectives, and communicate the results of their analysis concisely and intelligibly.
- Demonstrate awareness of the analytical tools employed by macroeconomists, and their application to the solution of a variety of macroeconomic problems.
- Recognise the transferable skills that are developed through this module.
- Reflect on and articulate motivations, strengths, and experiences of developing one or more transferable skills.

**Teaching and Learning Methods**

Lectures will be undertaken by the module leader(s). They will involve the delivery of the academic content of the module (macroeconomic topics that will include areas like international development and sustainability of resources) but can also serve as the platform where the module leader can pinpoint the variety of interpersonal and implementation skills that can be developed through the analysis of the academic content.

**Assessment Methods**

Coursework Portfolio (100%)

**Pre-Requisites**

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**Co-Requisites**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

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**EC2000 Intermediate Microeconomics I**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Sergio Currarini  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Coursework	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Describe and formulate the theory of consumer's choice under certainty and uncertainty; Solve simple consumer problems both graphically and analytically; Analyse intertemporal consumption choice; Analyse labour supply
- Describe the elements of microeconomics of production; Solve simple problems of cost minimization; Describe the connections between technology and costs in both the short and long run
- Evaluate welfare implications of economic changes and describe measures of welfare under quasi-linear preferences

**Teaching and Learning Methods**

Lectures (20 hours), tutorials (9 hours), Guided Independent Study (121 hours).

**Assessment Methods**

Coursework (1st semester), Final written assignment (end of 1st semester)

**Pre-Requisites**
**Co-Requisites**
**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Work on the assigned readings, tutorial questions and problem sets, in preparation of the tutorial meetings. Independent final revision of the course material.

**EC2002 Intermediate Microeconomics II**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** David Rojo-Arjona  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Coursework	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Find the equilibrium of a competitive market and perform comparative statics exercises.
- Discuss the use of social surplus as a measure of market efficiency; analyse the effects of policy interventions on a market's social surplus.
- Analyse the pricing and output decisions of a monopolist and its inefficiency; explain and discuss the causes and consequences of price discrimination.
- Use game theory to analyse one-shot Cournot, Bertrand and Stackelberg duopoly models.
- Explain the scope for collusion in oligopoly models in one-shot and repeated games.
- Demonstrate the first fundamental theorem of welfare economics and discuss the significance of its assumptions and consequences; explain the implications of the second fundamental theorem of welfare economics; discuss the notion of Social Welfare Function and its applications to social choice
- Explain the problem of public-goods supply and its efficiency consequences; Explain the concept of missing markets and analyse externalities; Explain the impact of asymmetric information in market outcomes and its efficiency consequences.

**Teaching and Learning Methods**

Lectures (20 hours), tutorials (9 hours), Guided Independent Study.

**Assessment Methods**

Coursework (1st semester), Final written assignment (end of 1st semester)

**Pre-Requisites**
**Co-Requisites**
**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Work on the assigned readings, tutorial questions and problem sets, in preparation of the tutorial meetings. Independent final revision of the course material.

**EC2010 Introductory Econometrics**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Arkadiusz Szydlowski  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	6				
002	Exam (Final)	70		1.5		
003	Coursework 2	6				
004	Coursework 3	6				
005	Coursework 4	6				
006	Coursework 5	6				

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Arkadiusz Szydlowski  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	6				
002	Coursework 2	6				
003	Coursework 3	6				
004	Written Assignment (Final)	70				
005	Coursework 4	6				
006	Coursework 5	6				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Demonstrate standard hypothesis tests and explain OLS regression analysis,
- Discuss the problems associated with OLS when classical assumptions fail,
- Differentiate between various functional forms and assess which of these is appropriate for estimating economic models,
- Manipulate data to the most appropriate form for model estimation,
- Demonstrate regression analysis using a statistical package and analyse regression outputs—specifically what the coefficients represent.

**Teaching and Learning Methods**

Lectures (20 hours), seminars (8 hours), computer classes (4 hours). The module will be assessed by a one and a half hour final examination (70%) and coursework (weekly problem sets, 30%).

**Assessment Methods**

One and a half hour final examination (70%) and coursework (bi-weekly problem sets, 30%).



**EC2010    Introductory Econometrics**

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**Pre-Requisites**

-

**Co-Requisites**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Prepare the weekly problem sets to be submitted as part of your assessment and prepare for the final exam.

**EC2011 Topics in Applied Econometrics**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Cheng Chou  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Project (Final)	100				

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Cheng Chou  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Project (Final)	100				

### Intended Learning Outcomes

By the end of this module, a typical student should be able to:

- Propose economic questions that are interesting or policy relevant and empirically testable.
- Collect data from major economic survey data set and clean/manage a big data set.
- Doing econometrics analysis with the awareness of the limitation of the used econometrics method.
- Integrate econometrics results with economics discussions, and support economic arguments with empirical finding.
- Reflect on and articulate motivations, strengths, and skills in relation to a future, work related learning opportunity (e.g. placements, internships, employer lead projects).

### Teaching and Learning Methods

The teaching consists of lectures and computer sessions. The lectures present econometrics tools with the focus on their applications in the real survey data and their policy relevance. In the computer sessions, we show students how to estimate and conduct statistic inference about how a worker's education, working experience and other demographic factors affect his/her earnings. Through the sequence of computer sessions, we teach students how to find variables and extract data from several major economic surveys, including the Current Population Survey (CPS) of the U.S. and the Labour Force Survey (LFS) of the U.K. Moreover, in each session, we bring new econometrics elements into the analysis of earnings equation to show the limitation of the previous analysis and advantage of new tools.

Learning methods. For the lectures, students mainly learn by reading the assigned textbook and by attending lectures. This contributes to their econometrics theory and understanding of empirical economic studies. By attending computer sessions and working on empirical final group project, students learn the econometrics practice, team work and critical thinking. The econometrics practice includes how to clean and manage big data, to organize a small to medium size empirical project and to draft a formal report.

### Assessment Methods

Final Group Project (100%).

**EC2011 Topics in Applied Econometrics**

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**Pre-Requisites**

EC2010

**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

This module is assessed by a final group project. The group is about 5 students. The workflow of the project is the following. (1) Students working as a group propose certain topics, such as how immigration affects local residents' employment opportunity or how to explain the evolution of earnings gap in gender in the past decade. (2) Students talk to the instructor to check whether or not the proposed questions are relevant and feasible and which data set they should consider. (3) Students refine their topics based on the instructor's feedback and the data availability. (4) Students talk the instructor for further comment. (5) Students submit a proposal of their project listing their topics, summary statistics of key variables, and tentative econometrics models. (6) The instructor send feedback about the proposals. (7) Students work on the project together and submit their work by the end of the semester.

**EC2012 Intermediate Microeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 30

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Academic Year  
**Occurrence:** E  
**Coordinator:** Francisco Martinez Mora  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework (Semester 1)	20				
002	Coursework (Semester 2)	20				
003	Examination	60		3		

**Period:** Academic Year  
**Occurrence:** E1  
**Coordinator:** Francisco Martinez Mora  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework (1st semester)	20				
002	Coursework (2nd semester)	20				
003	Coursework	60				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

(Semester 1):

- Describe and formulate the theory of consumer's choice under certainty and uncertainty; solve simple consumer problems both graphically and analytically; analyse intertemporal consumption choice; analyse labour supply.
- Describe the elements of microeconomics of production; solve simple problems of cost minimization; describe the connections between technology and costs both in the short and in the long run.
- Evaluate welfare implications of economic changes and describe measures of welfare under quasi-linear preferences.

(Semester 2):

- Find the equilibrium of a competitive market and perform comparative statics exercises.
- Discuss the use of social surplus as a measure of market efficiency; analyse the effects of policy interventions on a market's social surplus.
- Analyse the pricing and output decisions of a monopolist and its inefficiency; explain and discuss the causes and consequences of price discrimination.
- Use game theory to analyse one-shot Cournot, Bertrand and Stackelberg duopoly models, as well as collusion in oligopoly models
- Demonstrate the first fundamental theorem of welfare economics; discuss the significance of its assumptions and consequences; explain the implications of the second fundamental theorem of welfare economics; discuss the notions of social welfare function and its application to social choice.
- Explain the problem of public-goods supply and its efficiency consequences; explain the concept of missing markets and analyse externalities, such as climate change; discuss the so-called Tragedy of the Commons.
- Explain the impact of asymmetric information on market outcomes and its efficiency consequences.

**EC2012 Intermediate Microeconomics**

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**Teaching and Learning Methods**

Lectures; Tutorials; Class experiments; Guided Independent Study.

**Assessment Methods**

Coursework (1st semester), Coursework (2nd Semester), Final Exam.

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Independent work on the assigned readings, tutorial questions and problem sets, in preparation for the tutorial meetings.  
Independent revision of the course material.

**EC2013 Intermediate Macroeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 30

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Academic Year  
**Occurrence:** E  
**Coordinator:** Richard Suen  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework (1st semester test)	25				
002	Coursework (2nd semester test)	25		2		
003	Exam	50				
004	Essay	100				Y

**Period:** Academic Year  
**Occurrence:** E1  
**Coordinator:** Richard Suen  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework (1st semester test)	25				
002	Coursework (2nd semester test)	25		2		
003	Exam	50				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Describe the determinants of macroeconomic variables (such as aggregate output, interest rate, inflation rate etc.)
- Apply simple macroeconomic models to analyse and discuss the effects of macro shocks and fiscal and monetary policies.
- Explain how central banks conduct monetary policy.
- Explain the role of banks and credit constraints in the macroeconomy.
- Analyse financial crises and macroeconomic policy responses

**Teaching and Learning Methods**

The module will be delivered through a combination of lectures and seminars. Lectures will familiarise students with the core principles and with the foundations of macroeconomic models that aim at a better understanding of the basic macroeconomic environment, the role of fiscal and monetary policies, and issues relating to the interactions between financial markets and the macroeconomy. Exercise problems will be assigned on a regular basis in order to reinforce what students have learned during lectures. The solutions to these exercises will be provided in seminars. Students will be expected to attempt these exercises beforehand, thus facilitating them in enhancing their problem-solving skills and gaining formative feedback on their work.

**Assessment Methods**

Coursework #1, coursework #2 and final exam

**Pre-Requisites**

-

**EC2013 Intermediate Macroeconomics**

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**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Preparation for seminars (e.g. attempting solutions).
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC2019 Econometrics II**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Emi Mise  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	50				
002	Exam (Final)	50		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Emi Mise  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	50				
002	Written Assignment (Final)	50				

**Intended Learning Outcomes**

Upon completion a typical students will be able to:

- Propose economic questions that are interesting or policy relevant and empirically testable.
- Collect data from major economic survey data set and clean/manage a big data set.
- Demonstrate the use of intermediate econometric analysis (panel data, IV, etc.) with the awareness of the limitation of the used econometrics method.
- Integrate econometrics results with economics discussions, and support economic arguments with empirical finding.
- Reflect on and articulate motivations, strengths, and skills in relation to a future, work related learning opportunity (e.g. placements, internships, employer lead projects).



**EC2019 Econometrics II**

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**Teaching and Learning Methods**

The teaching consists of weekly lectures, five computer sessions and 5 seminars. The lectures present econometrics tools with the focus on their applications in the real survey data and their policy relevance. In the computer sessions, we show students how to estimate and conduct statistic inference about how a worker's education, working experience and other demographic factors affect his/her earnings. Through the sequence of computer sessions, we teach students how to find variables and extract data from several major economic surveys, including the Current Population Survey (CPS) of the U.S. and the Labour Force Survey (LFS) of the U.K. Moreover, in each session, we bring new econometrics elements into the analysis of earnings equation to show the limitation of the previous analysis and advantage of new tools. Seminars will be used to provide feedback to student teams on their term project and ensure they are meeting key project milestones. Student-teams will be expected to provide mini-presentation of their progress during the seminar. These presentation will cummulatively consititute 10 percent of their overall project grade.

Learning methods. For the lectures, students mainly learn by reading the assigned textbook and by attending lectures. This contributes to their econometrics theory and understanding of empirical economic studies. By attending computer sessions and working on empirical final group project, students learn the econometrics practice, team work and critical thinking. The econometrics practice includes how to clean and manage big data, to organize a small to medium size empirical project and to draft a formal report.

**Assessment Methods**

Examination

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

-

**EC2020 Econometrics I**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	26
Seminars	
Practical Classes & Workshops	2
Tutorials	12
Fieldwork	
Project Supervision	
Guided Independent Study	110
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Emi Mise  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Emi Mise  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment (Final)	100				

### Intended Learning Outcomes

By the end of this module, a typical student should be able to:

- Describe, analyse, and evaluate two-variable linear regression models,
- Use elementary matrix algebra to analyse simple regressions,
- Formulate, analyse, and evaluate multiple regression models in matrices,
- Formulate and discuss generalized least squares estimation techniques,
- Describe and use the method of maximum likelihood estimation.

### Teaching and Learning Methods

Lectures (26 hours), tutorials (12 hours), computer classes (2 hours). The module will be assessed by two-hour written exam (80%), written coursework assignment (20%).

### Assessment Methods

Two-hour written exam (80%), written coursework assignment (20%).

### Pre-Requisites

-

### Co-Requisites

-

### Excluded Combinations

-

### Guided Independent Study: Indicative Activities

Prepare the problems for the tutorial sessions, get familiar with statistical package to prepare your coursework and general revision for the final exam.



**EC2022 Principles of Finance**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Zhiyong Li  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Examination	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Zhiyong Li  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Coursework	80				

### Intended Learning Outcomes

Identify the role of firms' financial management within the financial cycle.  
 Demonstrate awareness of project appraisal.  
 Demonstrate awareness of capital budgeting.  
 Explain and discuss efficiency in financial markets.

### Teaching and Learning Methods

During lectures, the module leader will develop a variety of theoretical frameworks, demonstrate the mathematical tools for their analysis, and discuss their potential implications from a practical point of view. Seminars will complement this process through the application of the theoretical frameworks to specific examples and to the solution of a variety of exercises. As students are expected to attempt the solutions of these exercises prior to each seminar, they will have the opportunity to discuss their approach and, as a result, receive formative feedback on their work.

### Assessment Methods

Mid-term test and coursework

### Pre-Requisites

-

### Co-Requisites

-

### Excluded Combinations

-

**EC2022 Principles of Finance**

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**Guided Independent Study: Indicative Activities**

- Working through the material covered in lectures.
- Reading from suggested learning resources and material (e.g., handouts, core textbook).
- Attempting problem sets before they are discussed in seminars, and reviewing them afterwards.
- Discussion with module leader during office hours, where students may seek formative feedback on their work.

**EC2024 Intermediate Macroeconomics I**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Richard Suen  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Coursework	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to

- Describe the determinants of macroeconomic variables (such as aggregate output, employment, inflation).
- Apply simple macroeconomic models to analyse and discuss the effects of government spending and taxes.
- Explain how central banks conduct monetary policy.

**Teaching and Learning Methods**

The module will be delivered through a combination of lectures and seminars. Lectures will familiarise students with the core principles and with the foundations of macroeconomic models that aim at a better understanding of the basic macroeconomic environment, the role of fiscal and monetary policies, and issues relating to the interactions between financial markets and the macroeconomy. Exercise problems will be assigned on a regular basis in order to reinforce what students have learned during lectures. The solutions to these exercises will be provided in seminars. Students will be expected to attempt these exercises beforehand, thus facilitating them in enhancing their problem-solving skills and gaining formative feedback on their work.

**Assessment Methods**

Coursework 1 (test, 25%), coursework 2 (written assignment, 75%).

**Pre-Requisites**

**Co-Requisites**

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Preparation for seminars (e.g. attempting solutions).
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC2033 Principles of Banking**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Carlos Diaz Vela  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Carlos Diaz Vela  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment (Final)	80				

### Intended Learning Outcomes

- By the end of this module, a typical student should be able to:
- Describe the key characteristics of banking and financial intermediation
  - Analyse a bank's balance sheet, income statement, and income structure
  - Discuss different approaches to bank management and risk management
  - Describe the different functions of the central bank including monetary policy
  - Use different theories of banking in order to analyse real-world events

### Teaching and Learning Methods

The module will comprise a combination of lectures and tutorials. Lectures will develop the core material in terms of (i) empirical background (e.g., the regulatory and institutional characteristics that underlie the role of the banking sector and financial intermediation), and (ii) the demonstration of analytical tools that can be applied to banking, its management, and its interrelation with monetary policy, with the purpose of explaining real-world events. Tutorials will complement this process through the solution of specific exercises, based on the analytical tools developed in lectures. As students are expected to attempt the solutions of these exercises prior to each tutorial, they will be able to review their methods and results, discuss them with the module leader and receive formative feedback on their work.

### Assessment Methods

One and a half hour final examination (80%), coursework 20%.

### Pre-Requisites

-

### Co-Requisites

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**EC2033 Principles of Banking**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Analysis of case studies.
- Peer discussions on news/developments that relate to the topics of the module.
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.



**EC2034 Economic History**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Martin Hoskins  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	50				
002	Exam (Final)	50		1.5		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Martin Hoskins  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	50				
002	Written Assignment (Final)	50				

### Intended Learning Outcomes

By the end of this module, a typical student should be able to:  
 Describe the major economic and financial events since World War 1.  
 Critically assess contemporary policy responses and institutional framework using economic analysis.  
 Discuss the contribution of economists to contemporary events.  
 Analyse contemporary data in its historical context.  
 Evaluate economic theories in the light of historical evidence.

### Teaching and Learning Methods

The module will be delivered through a combination of lectures and seminars. During lectures, students will become familiar with the historical background and with the views of economists, different social and economic groups and policy makers. Students will also be exposed to the changing views of these groups as events unfolded and economic thinking evolved. Seminars will be even more interactive as specific tasks and problems will give students the opportunity to reflect on the lecture material and assess the historical interpretation of major economic events, as well as the relative merits and limitations of competing views and theories that have been put forward to explain them.

### Assessment Methods

One and a half hour examination (50%), coursework (50%).

### Pre-Requisites

-

### Co-Requisites

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**EC2034 Economic History**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

- Reading from suggested learning resources.
- Preparation of specific material (e.g., questions, tasks) prior to seminars.
- Independent research (e.g., literature review).
- Discussion with module leader during office hours, where students can also get some formative feedback on their work.

**EC2043 Game Theory**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Jacob Seifert  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Jacob Seifert  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Coursework	80				

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Formulate strategic-form game representations of strategic interactions.
- Explain the concepts of (weakly and strictly) dominant and dominated strategies.
- Analyse the strategic form by applying the approach of iterated deletion of dominated strategies.
- Formulate dynamic interaction in, and analyse, the extensive form.
- Characterise subgame-perfect equilibria in extensive form games and apply these techniques to the analysis of repeated games and bargaining models.
- Critically discuss the relationship between the theoretical tools of game theory and the empirical evidence on how people make decisions.

**Teaching and Learning Methods**

Lectures, tutorials. The module will be assessed by coursework (80%) and a one hour mid-term online multi-choice test, 20%

**Assessment Methods**

Coursework (80%) and mid-term test (20%).

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**EC2043 Game Theory**

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**Guided Independent Study: Indicative Activities**

Prepare the problems for the seminar sessions, prepare coursework and revise for mid-term test.

**EC2076 Principles of Accounting**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	10				
002	Coursework	10				
003	Exam (Final)	80		2.25		
004	Exam	100		2.25		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment (Final)	80				

**Intended Learning Outcomes**

At the end of this module, typical students should be able to:

- Explain the information requirements of the preparers and users of financial statements
- Record transactions using double entry accounting, including accounting for non-current assets, inventory, accruals, prepayments, impaired and irrecoverable debts
- Reconcile control accounts and prepare a bank reconciliation
- Prepare financial statements for sole traders from incomplete records
- Prepare financial statements for partnerships and companies, describe the differences in legal requirement and understand the contents of company annual reports
- Critically evaluate the performance of a company using ratio analysis

**Teaching and Learning Methods**

Lectures, seminars and independent research. The module will be assessed by a two and one quarter hour examination (15 minutes reading time, two-hours writing time - 80%), and two pieces of coursework (10% each).

**Assessment Methods**

Coursework and final exam.

**Pre-Requisites**

-

**EC2076 Principles of Accounting**

---

**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Working through the material covered in lectures.
- Reading from suggested learning resources and material (e.g., handouts, core textbook).
- Attempting problem sets before they are discussed in seminars, and reviewing them afterwards.
- Discussion with module leader during office hours, where students may seek formative feedback on their work.

**EC2083 Principles of Personal Taxation**

**Academic Year:** 2019/0  
**Module Level:** Year 2  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Exam (Final)	80		2.25		
003	Exam	100		2.25		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-term test	20				
002	Written Assignment (Final)	80				

**Intended Learning Outcomes**

At the end of this module, typical students should be able to:

- Prepare tax computations and returns for individuals who are employed and/or receive investment income.
- Identify and describe valid alternative tax strategies available to individuals.
- Critically evaluate the legal and ethical implications of a range of taxation strategies.

**Teaching and Learning Methods**

Lectures and seminars, Independent research, Discussions hosted on VLE blackboard.

**Assessment Methods**

Mid-term test 20%  
 Examination 80%

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**EC2083 Principles of Personal Taxation**

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**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions



**EC3000    Advanced Microeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	8
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	122
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Guillaume Willeme  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-Term Test	30				
002	Exam (Final)	70		2		
003	Examination	100		2		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Guillaume Willeme  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-Term Test	30				
002	Written Assignment	70				
003	Written Assignment	100				Y

### Intended Learning Outcomes

By the end of this module, students are expected to be familiar with the main issues related to Information Economics. In particular they will be familiar with:

- decision-making under uncertainty and risk attitudes;
- game theoretic models and equilibrium concepts under incomplete information;
- the principal-agent model, moral hazard and incentive issues;
- adverse selection problems, with signalling and screening models, and auctions.

### Teaching and Learning Methods

Lectures; Seminars, Guided Independent Study.

### Assessment Methods

Mld-term test (30%), and a two-hour final exam (70%).

### Pre-Requisites

EC2012

### Co-Requisites

-

### Excluded Combinations

-

**EC3000    Advanced Microeconomics**

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**Guided Independent Study: Indicative Activities**

Work on the assigned readings, seminar questions and problem sets, in preparation of the seminar meetings. Independent revision of the course material in preparation of the mid-term test and final exam.

**EC3001    Advanced Macroeconomics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Dimitrios Varvarigos  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		
003	Exam	100		2		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				
003	Written Assignment	100				Y

### Intended Learning Outcomes

On completion of this module, students should be able to:

- Demonstrate awareness of the driving forces behind increasing levels of GDP per capita;
- Identify the fundamental characteristics that cause significant differences in prosperity among nations;
- Construct formal economic models to analyse, evaluate and explain real-world economic phenomena;
- Combine analytical tools and economic reasoning to critically assess the effectiveness of policies that are targeted at achieving higher GDP growth;
- Communicate their arguments on issues related to economic growth concisely and intuitively.
- Demonstrate academic integrity in their submitted work through appropriate use of academic citation and referencing conventions.

### Teaching and Learning Methods

Lectures (20 hours), seminars (5 hours), independent research.

### Assessment Methods

A two-hour written examination (80%), coursework (a group essay limited to 1,800 words, 20%).

### Pre-Requisites

-

### Co-Requisites

-

**EC3001    Advanced Macroeconomics**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Online tutorial on avoiding plagiarism

**EC3004    Dissertation**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	8
Seminars	
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	142
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Academic Year  
**Occurrence:** E  
**Coordinator:** Clive Fraser  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Dissertation (Final)	50				
002	Power Point Presentation	20				
003	Oral Presentation	30				

### Intended Learning Outcomes

By the end of this module, a typical student should be able to:

- Study thoroughly, and critically analyse, a set of articles from academic journals.
- Summarise in a concise and intelligible manner the principal ideas and concepts proposed in the articles.
- Give a professional oral presentation of the chosen articles using PowerPoint or equivalent tools.

### Teaching and Learning Methods

Lectures aim at equipping students with the knowledge and tools of reading cutting-edge research in modern Economics or Finance, as well as disseminating its results and implications. They will be able to pick recent articles published in the most prestigious Economics/Finance journals, understand their methodologies, and summarise their principal ideas and results concisely, coherently, effectively and comprehensibly. This process will also facilitate them in improving key transferable skills such as planning, organisation and communication.

### Assessment Methods

A 3,000 word dissertation (50%), a PowerPoint presentation (20%), an oral presentation (30%).

### Pre-Requisites

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### Co-Requisites

-

### Excluded Combinations

-

### Guided Independent Study: Indicative Activities

- Reading from suggested learning resources.
- Research.
- Practice presentation.
- Discussion with module leader via the module's Blackboard discussion forum.

**EC3023 Industrial Economics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	
Practical Classes & Workshops	8
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	122
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Piercarlo Zanchettin  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Piercarlo Zanchettin  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

## Intended Learning Outcomes

On completion of this module, successful students will be able to:

- Analyse the importance of the strategic interaction framework as a basis for explaining the behaviour of firms.
- Define the factors that influence the size and nature of firms and the markets they compete in.
- Explain the motivating factors for diversification and the various formats this can take.
- Define the theory and evidence behind entry and exit strategies.
- Critically evaluate the factors responsible for generating and sustaining competitive advantage.
- Demonstrate how verbal reasoning, elementary algebra, elementary calculus, diagrammatic analysis, and basic game theory can be used to understand firms' interaction and industry outcomes.

## Teaching and Learning Methods

Lectures; Workshops, Guided Independent Study; Mid-term Formative Assessment Exercise with detailed individual feedback and discussion.

## Assessment Methods

A one and a half hour examination (100%).

## Pre-Requisites

-

## Co-Requisites

-

## Excluded Combinations

-

### EC3023 Industrial Economics

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#### **Guided Independent Study: Indicative Activities**

Work on the assigned readings, workshop questions and problem sets, in preparation of the workshop meetings. Independent revision of the course material in preparation of the mid-term formative assessment exercise and the final exam.

**EC3044 Economics of Education**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

## Intended Learning Outcomes

On successful completion of the module, a student will be able to:

1. Describe the skill formation process and discuss the role of peer, home, school and early-life inputs in the production of education.
2. Explain and discuss the Human Capital and Signalling theories of education investment, their key assumptions, policy implications and limitations and the related empirical evidence, including that on returns to education.
3. Explain the workings of primary and secondary school markets, describe the key interactions between private and public (state) schools, and discuss recent research on the impact of school choice policies on achievement and equality of opportunity.
4. Discuss the key aspects to be considered in the design of higher education and student finance policies and their contribution to equity and efficiency goals.
5. Identify and explain the links between education policy and the reproduction of inequality across generations and discuss its potential and limitations to provide equality of opportunity using cutting-edge research.

## Teaching and Learning Methods

The delivery of teaching involves a combination of lectures and seminars. Within lectures the module leader will explain and discuss with students core theoretical and empirical research. Seminars will be interactive, requiring students to engage in a range of activities, including class debates on key education policy issues, classroom experiments and preparing and discussing preset questions. Some seminar activities will be closely aligned to the assessment tasks and will give key guidance regarding completing the coursework and preparing for the exam.

## Assessment Methods

Two hour examination (80%), coursework (essay assignment, 20%).



**EC3044 Economics of Education**

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**Pre-Requisites**

-

**Co-Requisites**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Independent reading of suggested articles as well as independent search for other sources on the module contents that may contribute to the debates and other learning activities.

**EC3052 Management Accounting**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Examination	80		2		
003	Examination	100		2		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				
003	Written Assignment	100				Y

### Intended Learning Outcomes

At the end of this module, typical students should be able to:

- Explain the objectives and role of management accounting in the current business world
- Prepare budgets and analyse variances between budget and actual data
- Identify and describe alternative approaches to costing - marginal, total absorption and relevant costing
- Critically evaluate current trends in management accounting

### Teaching and Learning Methods

The module will be delivered through a combination of lectures and seminars. During lectures students will be engaged in learning the core principles. These lectures are interactive with the preseen lecture slides allowing students to follow the calculations and to express their views on the merits and limitations of the models. Before seminars students will be asked to develop their own solutions to a problem set, then in class time students will be guided through an extended problem building on the knowledge gained. Seminars will provide a practice space for students to gain the essential problem-solving skills and gain formative feedback on their progression.

### Assessment Methods

-

### Pre-Requisites

-

### Co-Requisites

-

**EC3052 Management Accounting**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reviewing material in lecture notes, textbooks, and journal articles.
- Solving problem sets assigned by lecturer.
- Using spreadsheets to analyse financial data and preparing to discuss methods and present results during seminars.

**EC3057 Management Science**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Examination	80		1.5		
002	Pratice-Based Coursework	20				
003	Examination	100		1.5		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	80				
002	Pratice-Based Coursework	20				
003	Written Assignment	100				Y

**Intended Learning Outcomes**

At the end of this module, typical students should be able to:

- Generate mathematical models to solve management problems
- Apply standard management science modelling techniques to real business problems
- Discuss the costs and benefits of possible solutions to a range of management problems
- Written communication, Numeracy, Problem Solving, Decision Making, Business Awareness, Time Management

**Teaching and Learning Methods**

Lectures and seminars  
 Independent research  
 Discussions hosted on VLE blackboard

**Assessment Methods**

One 1.5 hour examination (80%), coursework (20% )

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**EC3057 Management Science**

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**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions

**EC3058 Corporate Finance**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Fabrizio Adriani  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	10				
002	Exam (Final)	90		1.5		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Fabrizio Adriani  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	10				
002	Written Assignment	90				

### Intended Learning Outcomes

After successfully completing this module, students should be able to:

- Distinguish between different types of financial markets and discuss their role;
- Apply the most appropriate techniques to evaluate financial assets and investment projects;
- Discuss and compare the role of different sources of external finance and assess their appropriateness.
- Develop the ability to identify and discuss financial issues through the use of analytical tools from economic theory.
- Apply economic theory to explain how informational frictions shape corporate decisions.

### Teaching and Learning Methods

Lectures will serve as the platform for developing the theoretical backdrop on issues relating to modern finance and its implications for corporate decision-making. The application of various theories to specific exercises and problems will take place mainly through tutorials. Students will be encouraged to attempt the solutions of these exercises and discuss their approach during tutorials, thus receiving formative feedback on their work.

### Assessment Methods

A one and a half hour written final examination (90%), coursework (on-line test, 10%)

### Pre-Requisites

-

### Co-Requisites

-

### Excluded Combinations

-

### EC3058 Corporate Finance

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#### **Guided Independent Study: Indicative Activities**

- Reviewing material in lecture notes, textbooks, and journal articles.
- Solving problem sets assigned by lecturer.
- Using spreadsheets to analyse financial data and preparing to discuss methods and present results during seminars.

**EC3061    Development Economics**

<b>Academic Year:</b>	2019/0	<b>Student Workload (hours)</b>
<b>Module Level:</b>	Year 3	Lectures    20
<b>Scheme:</b>	UG	Seminars    4
<b>Department:</b>	Economics	Practical Classes & Workshops
<b>Credits:</b>	15	Tutorials    7
		Fieldwork
		Project Supervision
		Guided Independent Study    119
		Demonstration
		Supervised time in studio/workshop
		Work Based Learning
		Placement
		Year Abroad
		<b>Total Module Hours    150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

### Intended Learning Outcomes

By the end of this module, a typical student should be able to:

- Describe the links between development and economic growth, and between growth theory and convergence.
- Identify and explain the main components of the theory of human capital, and demonstrate awareness of the methods for estimating its empirical relevance.
- Discuss recent developments concerning the objectives of eradicating income inequality and poverty.
- Discuss implications for economic development-related policy making.
- Discuss the role of health for human capital and economic development.

### Teaching and Learning Methods

The module will be delivered through a combination of lectures, tutorials and seminars. During lectures, students will become familiar with the theoretical and empirical background, with each topic being introduced through a combination theoretical and econometric models. During tutorials, students will have the opportunity to apply these models to real world problems, using actual data. Furthermore, specific quantitative exercises will be solved and discussed. Students should attempt to solve these exercises in advance, thus having the opportunity to discuss their solutions and to receive formative feedback on their work. Seminars will bridge the theoretical content from the lectures with the exercises solved and discussed in tutorials. These seminars will be interactive as students will be able to express their views on the merits and the limitations of the theoretical content that is developed in lectures.

### Assessment Methods

By two hour written examination (80%) and a coursework (written assignment, 20%).

### Pre-Requisites

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**EC3061 Development Economics**

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**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Preparation for tutorials/seminars (e.g. attempting solutions).
- Research on the identification of real-world events that relate to the module's content.
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC3062 Econometrics III**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	2
Practical Classes & Workshops	9
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	119
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework (Final)	100				

**Intended Learning Outcomes**

By the end of the module a typical student will be able to:

- Analyse a simple single-equation dynamic econometric model.
- Use an econometric package and be able to analyse non-stationary economic time series.
- Interpret and evaluate critically numerical results of econometric estimation.

**Teaching and Learning Methods**

Lectures, and Computer Classes, two seminars to provide guidance on the writing of the group project. And individual and group private study.

**Assessment Methods**

Coursework in the form of a Group Project (100%).

**Pre-Requisites**
**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Learning the material, familiarising themselves with econometric package, applying these two skills to the preparation of their group project, working as a group.

**EC3064 Applied Econometrics Project**

<b>Academic Year:</b> 2019/0 <b>Module Level:</b> Year 3 <b>Scheme:</b> UG <b>Department:</b> Economics <b>Credits:</b> 15	<b>Student Workload (hours)</b> Lectures 12 Seminars Practical Classes & Workshops Tutorials Fieldwork Project Supervision Guided Independent Study 138 Demonstration Supervised time in studio/workshop Work Based Learning Placement Year Abroad Total Module Hours 150
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**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Oral Presentation	10				
002	Project (Final)	90				

**Intended Learning Outcomes**

At the end of the module, a typical student will be able to:

- Demonstrate the ability to independently choose a research question and specify and estimate an econometrics model to investigate that question.
- Independently apply transferable skills in data collection, Internet literature research, descriptive data analysis, report writing and oral presentation.
- Demonstrate, independently, subject specific skills relating to model estimation, testing statistical hypotheses, evaluation and interpretation of results.

**Teaching and Learning Methods**

At the beginning of the term, there will be lectures covering some methodological aspects of data collection and economic modelling as well as topics such as plagiarism and referencing. There will also be a 'question and answer' session. This module is entirely assessed through independent student work and therefore no supervision will be provided.

**Assessment Methods**

An assessed project (90%) and oral presentation (10%).

**Pre-Requisites**
**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Students will undertake an independent investigation on a specialist topic of their own choice to develop skills in data collection and in presentation of information; to enhance report-writing skills through the preparation of a coherent, extended piece of analysis; to prepare and deliver an oral presentation of the project proposal; to apply econometrics techniques to estimate a model, interpret the results, draw conclusions and make policy recommendations, where appropriate.

**EC3066 International Trade**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

## Intended Learning Outcomes

At the end of the module a typical student will be able to:

- Demonstrate knowledge of different aspects of the global economy, such as international trade, trade policy, economic geography, international factor movements, foreign direct investment, economic integration and international negotiations
- Apply this knowledge to analyse real economic events
- Evaluate different theories and policy options to assess the full impact of economic globalisation

## Teaching and Learning Methods

The module will be delivered through a combination of lectures and seminars. During lectures, students will become familiar with the core theories of international trade. Seminars will provide an opportunity to enhance understanding of the material covered in lectures. Seminar questions require critical evaluation of the models and identification of an appropriate framework to analyse a given economic event. Students will be encouraged to prepare answers prior to each seminar so that they can contribute to general discussion and receive formative feedback.

## Assessment Methods

By a one and half hour final examination (80%) and coursework (written assignment, 20%)

## Pre-Requisites

-

## Co-Requisites

-

## Excluded Combinations

-

**EC3066 International Trade**

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**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Preparation for seminars (e.g. attempting solutions).
- Research (e.g., literature review).
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC3070 Financial Derivatives**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	10
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	120
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** G Charles-Cadogan  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100				

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** G Charles-Cadogan  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

**Intended Learning Outcomes**
**Teaching and Learning Methods**
**Assessment Methods**
**Pre-Requisites**
**Co-Requisites**
**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

**EC3071    Managerial Economics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Piercarlo Zanchettin  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Examination	100		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Piercarlo Zanchettin  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

**Intended Learning Outcomes**

At the end of this module, typical students should be able to:

- Critically evaluate Coase's theorem and its limitations in the presence of private information and hidden actions.
- Analyse why and how a firm might give contracts to its employees/managers/salespeople in order to induce them to provide effort.
- Analyse why and how a firm might give contracts to its Chief Executive Officer (CEO) in order to induce him/her to provide effort and to invest in risky, but profitable projects.
- Analyse how its internal labour market can help a firm in screening its existing workers
- Explain how private information influences the debt versus equity trade-off.
- Discuss how contractual incompleteness (i.e. the fact that contracting parties cannot foresee all possible contingencies which may arise in the future) influences contractual arrangements in the venture capital industry.
- Demonstrate how verbal reasoning, elementary algebra, elementary calculus, and diagrammatic analysis can be used to inform decision making in simple contexts involving managerial decisions.

**Teaching and Learning Methods**

Lectures; Seminars, Guided Independent Study; Mid-term Formative Assessment Exercise with detailed individual feedback and discussion.

**Assessment Methods**

A one and a half hour examination (100%).

**Pre-Requisites**

-

**Co-Requisites**

-

**EC3071    Managerial Economics**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Work on the assigned readings, seminar questions and problem sets, in preparation of the seminar meetings. Independent revision of the course material in preparation of the mid-term formative assessment exercise and the final exam.



**EC3076    Accounting**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Jim O'Hare  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Exam (Final)	80		2		
004	Examination	100		2		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Jim O'Hare  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Written Assignment	80				
004	Written Assignment	100				Y

### Intended Learning Outcomes

At the end of this module, typical students should be able to:

- Describe the information needed by preparers and users of financial statements, apply the essential concepts that underlie the practice of financial accounting.
- Record transactions using double entry bookkeeping.
- Account for non-current assets and inventories, account for accruals, prepayments and irrecoverable and impaired debts.
- Prepare financial statements of a sole trader from incomplete records. Prepare financial statements for, and describe the legal differences between, partnerships and limited companies.
- Interpret the contents of company annual reports. Measure company performances using ratio analysis and cash flow statements.

### Teaching and Learning Methods

Lectures (20 hours), seminars (5 hours), independent research. The module will be assessed by a two hour examination (80%), coursework (20% - 2 parts equally weighted at 10% each).

### Assessment Methods

Two hour examination (80%), coursework (20% - 2 parts equally weighted at 10% each).

### Pre-Requisites

-

**EC3076    Accounting**

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**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions

**EC3077 Investment Management**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Chris Riley  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Examination	80		1.5		

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Chris Riley  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	10				
002	Coursework 2	10				
003	Written Assignment	80				

**Intended Learning Outcomes**
**Teaching and Learning Methods**
**Assessment Methods**
**Pre-Requisites**
**Co-Requisites**
**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

**EC3080 Public Economics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	8
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	122
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Giuseppe De Feo  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-Term Test	30				
002	Examination	70		1.5		
003	Examination	100		1.5		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Giuseppe De Feo  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-Term Test	30				
002	Written Assignment	70				
003	Written Assignment	100				Y

### Intended Learning Outcomes

By the end of this module, students are expected to be able to explain the relevance of public and political institutions for the economy, the organization and structure of these institutions, and the effect of their intervention on economic and social outcomes.

### Teaching and Learning Methods

Lectures; Seminars, Guided Independent Study.

### Assessment Methods

By examination (70%) and a mid-term test (30%)

### Pre-Requisites

-

### Co-Requisites

-

### Excluded Combinations

-

### Guided Independent Study: Indicative Activities

Work on the assigned readings, workshop questions and problem sets, in preparation of the seminar meetings. Independent revision of the course material in preparation for the mid-term test and the final exam.



**EC3081 Mathematical Finance**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	
Practical Classes & Workshops	
Tutorials	10
Fieldwork	
Project Supervision	5
Guided Independent Study	115
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Jim O'Hare  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100		1.5		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

### Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Demonstrate awareness of the main financial models and their underlying principles.
- Combine quantitative techniques with appropriate statistical software in the process of financial analysis.
- Demonstrate awareness of the basic principles of stochastic calculus and partial differential equations.
- Use formal frameworks to derive formulas for the pricing of financial derivatives, and to critically evaluate their underlying assumptions and limitations.

### Teaching and Learning Methods

The module will comprise a combination of lectures and tutorials. Lectures will develop a variety of mathematical and quantitative methods that can be applied to the analysis and valuation of financial instruments. During this process, students will learn how to identify the characteristics that determine the value of financial instruments and interpret the results of both theoretical and empirical analyses. Tutorials will allow the discussion and solution of examples/exercises, based on the analytical tools developed in lectures. As students are expected to attempt the solutions of problem sets prior to each tutorial, they will be able to review their methods and results, discuss them with the module leader and receive formative feedback on their work. Students will also get supervision on their projects, as the module leader will offer advice and formative feedback on various aspects, such as design and implementation.

### Assessment Methods

Coursework (20%) and Final Exam (80%).

### Pre-Requisites

-

### Co-Requisites

-

**EC3081 Mathematical Finance**

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**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

- Reading from core reading list and other suggested learning resources.
- Outline a project and obtain data as well as all other relevant information.
- Practice with the purpose of becoming familiar with statistical techniques and appropriate software.
- Extract meaningful interpretations from the empirical analysis that underlies the project.
- Discussion with module leader during office hours, where students can also seek formative feedback on their work.

**EC3082 Economics of Health**

<b>Academic Year:</b>	2019/0	<b>Student Workload (hours)</b>
<b>Module Level:</b>	Year 3	Lectures 20
<b>Scheme:</b>	UG	Seminars 5
<b>Department:</b>	Economics	Practical Classes & Workshops
<b>Credits:</b>	15	Tutorials
		Fieldwork
		Project Supervision
		Guided Independent Study 125
		Demonstration
		Supervised time in studio/workshop
		Work Based Learning
		Placement
		Year Abroad
		<b>Total Module Hours 150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Asako Ohinata  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				

### Intended Learning Outcomes

This module will provide students with an opportunity to develop their understanding of how to apply theories of economics in practice, focusing on issues regarding the provision of and demand for health.

Upon completion of this module, a typical student will be able to:

- Describe methods for measuring "health" and the implications for economic policies.
- Demonstrate the use of canonical models of health supply and demand.
- Define moral hazard and adverse selection and describe their implications for the provision of health insurance.
- Use economic theory to analyse health policy prescriptions in popular literature.
- Read and critique academic literature on the economics of health.
- Outline common issues in the measurement of the relationship between health status and labour market or socio-economic status outcomes.

### Teaching and Learning Methods

This module will provide students with an opportunity to develop their understanding of how to apply theories of economics in practice, focusing on issues regarding the provision of and demand for health. Topics covered in this module include: An Introduction to Health Economics, Health Care Markets, Health Insurance, Economic Evaluation of Health Care: Measuring the Effectiveness of Health Care, Health Behaviours. It will be delivered in 20 hours of lectures and 5 hours of seminars. The assessment elements are: Coursework (20%) and a two-hour written examination (80%). The 20% coursework is made up of two parts. The first part involves reading and discussing the contents of a published paper (worth half of the total coursework mark). The second part is an essay limited to no more than 2000 words.

### Assessment Methods

Coursework (20%) and a two-hour written examination (80%).



**EC3082 Economics of Health**

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**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Independent reading of suggested articles as well as independent search for other sources that contribute to the debates covered by the module contents.

**EC3083 Business Law for Accountants**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures  
 Seminars  
 Practical Classes & Workshops  
 Tutorials  
 Fieldwork  
 Project Supervision  
 Guided Independent Study  
 Demonstration  
 Supervised time in studio/workshop  
 Work Based Learning  
 Placement  
 Year Abroad  
 Total Module Hours

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Jim O'Hare  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Exam (Final)	80		2		
003	Examination	100		2		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:** Jim O'Hare  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	20				
002	Written Assignment	80				
003	Written Assignment	100				Y

**Intended Learning Outcomes**

By the end of this module, a typical student should be able to:

- Recognise when a legally binding contract exists and how it can be enforced
- Discuss the legal differences between different types of organisation and the implications for them of insolvency
- Critically evaluate the rights and duties of employers and employees
- Transferable skills
- Written communication, Problem Solving, Decision Making, Business Awareness, Time Management

**Teaching and Learning Methods**

Lectures and seminars, Independent research, Discussions hosted on VLE blackboard

**Assessment Methods**

Two hour final examination (80%) and coursework (20%).

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**EC3083 Business Law for Accountants**

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**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions

**EC3084 Audit and Assurance**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	5
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	125
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid Term Test	20				
002	Exam (Final)	80		2		
003	Examination	100		2		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Linda Ralphs  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid-Term Test	20				
002	Written Assignment	80				
003	Written Assignment	100				Y

### Intended Learning Outcomes

At the end of this module, typical students should be able to:

- Explain the concepts of audit, assurance and ethics
- Describe, identify and evaluate internal control techniques
- Explain the work and evidence obtained by an auditor to meet the obligations of International Standards on Auditing
- Explain the increasing need for and importance of professional ethics and social responsibility within the business environment
- Understand the importance of an audit report and the audit process

### Teaching and Learning Methods

The Module will be delivered through a combination of lectures and seminars. During lectures students will be engaged in learning the core principles. These lectures are interactive with the preseen lecture slides allowing students to follow the calculations and to express their views on the merits and limitations of the models.

Before seminars students will be asked to develop their own solutions to a problem set, then in class time students will be guided through an extended problem building on the knowledge gained. Seminars will provide a practice space for students to gain the essential problem-solving skills and gain formative feedback on their progression

### Assessment Methods

Mid-term test and Exam

### Pre-Requisites

-

**EC3084 Audit and Assurance**

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**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Students are required to read the relevant chapters in the core text at the end of each lecture. To prepare for the seminars by attempting to solve the problem set before attending class. To Revise and prepare for the midterm class test.

**EC3085 Principles of Business Taxation**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	8
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	122
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Mid Term Test	20				
002	Exam (Final)	80		2.25		
003	Exam	100		2.25		Y

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	20				
002	Written Assignment	80				
003	Written Assignment	100				Y

### Intended Learning Outcomes

At the end of this module, typical students should be able to:

- Prepare tax computations and tax returns for self-employed individuals and companies
- Identify and describe alternative tax strategies available to self-employed individuals and companies
- Critically evaluate the legal and ethical implications of a range of taxation strategies
- Transferable skills: Written communication, Numeracy, Problem Solving, Decision Making, Business Awareness, Time Management

### Teaching and Learning Methods

Lectures and seminars, Independent research, Discussions hosted on VLE blackboard

### Assessment Methods

Mid-term test (20%), Exam (80%)

### Pre-Requisites

-

### Co-Requisites

### Excluded Combinations

-

**EC3085 Principles of Business Taxation**

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**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions

**EC3087 Financial Reporting**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	8
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	122
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 1  
**Occurrence:** E  
**Coordinator:** Lynne Howey  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	10				
002	Coursework	10				
003	Examination	80		2.25		
004	Examination	100		2.25		Y

**Period:** Semester 1  
**Occurrence:** E1  
**Coordinator:**  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	10				
002	Coursework	10				
003	Written Assignment	80				
004	Written Assignment	100				Y

**Assessment Methods**

- Coursework (20%) and exam (80%)
- Reassessment by exam (100%)

**Pre-Requisites**

-

**Co-Requisites**

-

**Excluded Combinations**

-

**Guided Independent Study: Indicative Activities**

Relevant reading and practice numerical questions



**EC3089 Behavioural Economics**

**Academic Year:** 2019/0  
**Module Level:** Year 3  
**Scheme:** UG  
**Department:** Economics  
**Credits:** 15

**Student Workload (hours)**

Lectures	20
Seminars	10
Practical Classes & Workshops	
Tutorials	
Fieldwork	
Project Supervision	
Guided Independent Study	120
Demonstration	
Supervised time in studio/workshop	
Work Based Learning	
Placement	
Year Abroad	
<b>Total Module Hours</b>	<b>150</b>

**Period:** Semester 2  
**Occurrence:** E  
**Coordinator:** Sanjit Dhani  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Exam (Final)	100		2		

**Period:** Semester 2  
**Occurrence:** E1  
**Coordinator:** Sanjit Dhani  
**Mark Scheme:** UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Assignment	100				

## Intended Learning Outcomes

By the end of this module, a student should be able to:

- Assess and discuss the empirical evidence from generic situations of risk and uncertainty. Examine and analyse alternative behavioural decision theories of risk and uncertainty such as prospect theory and rank dependent utility. To be followed by a discussion of select applications of behavioural decision theories.
- Assess and discuss the empirical evidence for social preferences arising from experimental games such as the ultimatum game, trust game and the public goods game. To be followed by a discussion and critique of theoretical models of social preferences such as the Fehr-Schmidt model and select applications.
- Discuss and analyse the evidence on alternative models of time preference. To be followed by a discussion of alternative models of behavioural time discounting such as the hyperbolic discounting model and select applications.
- Assess and discuss the evidence from human behaviour in strategic situations. To be followed by a discussion of select behavioural game theory models such as level-k models and their applications.
- Discuss selected evidence and models of bounded rationality and mental accounting.

## Teaching and Learning Methods

Lectures and seminars.

## Assessment Methods

Final exam (100%).

## Pre-Requisites

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## Co-Requisites

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**EC3089 Behavioural Economics**

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**Excluded Combinations**

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**Guided Independent Study: Indicative Activities**

Directed readings. Prepare for seminar discussions.