Programme Specification

Economics and Finance (2018-19)

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities that are provided.

Awarding Institution          University of Southampton
Teaching Institution          University of Southampton
Mode of Study                 Full-time
Duration in years             3
Accreditation details         None
Final award                   Bachelor of Science in the Social Sciences with Honours (BSc SocSci (Hons))
Name of award                 Economics and Finance
Interim Exit awards           Certificate of Higher Education (CertHE)
                                Diploma of Higher Education (DipHE)
FHEQ level of final award     Level 6
UCAS code                     L1NH
Programme code                4556
QAA Subject Benchmark or other external reference Economics 2007
Programme Lead                Emanuela Lotti (el1j06)

Programme Overview

Brief outline of the programme

This programme combines modules in economics with the analysis of financial markets and institutions. It is particularly appropriate for anyone looking for a rigorous understanding of the world of finance either with a view to employment in financial institutions or simply wanting to understand more about the world in which we live.

Your contact hours will vary depending on your module/option choices. Full information about contact hours is provided in individual module profiles.

Learning and teaching

Our degrees are full-time honours programmes of three or four year duration. All programmes aim to provide knowledge of the key concepts and arguments in the relevant subjects together with the capacity to apply this knowledge in a variety of contexts. In addition, we seek to ensure that all of our students are able to use data
and quantitative techniques appropriately and effectively. The overall programme structure is a flexible one, allowing you to discover and pursue your own interests - either by choice of options or, if appropriate, by changing degree programme at the end of year one.

Teaching takes place during two semesters, the first running from October to February and the second from February through to June. Eight subject modules are taken per year - normally four per semester - some of which are compulsory and others optional. Teaching comprises both lectures (two or three per week, depending on the module) and weekly or fortnightly small group classes. In a typical semester you would spend about twelve hours per week attending lectures and classes; in addition, we expect about twenty-eight hours of self-study (preparing for classes, writing essays and so on) bringing the weekly total to forty hours.

Assessment

Modules are examined at the end of the semester in which they are taught, and in some cases a coursework mark will contribute to the overall grade for the module. Satisfactory performance in the first year is required in order to progress to year two. Final degree classes are based upon marks from the second and third years.

Special Features of the programme

N/A

Please note: As a research-led University, we undertake a continuous review of our programmes to ensure quality enhancement and to manage our resources. As a result, this programme may be revised during a student's period of registration; however, any revision will be balanced against the requirement that the student should receive the educational service expected. Please read our Disclaimer to see why, when and how changes may be made to a student's programme.

Programmes and major changes to programmes are approved through the University's programme validation process which is described in the University's Quality handbook.

Educational Aims of the Programme

The programme offers you the opportunity to study economics and finance.

The programme aims to:

- Equip you with a knowledge and understanding of the core areas of economics, i.e. Microeconomics, macroeconomics and quantitative methods;
- Equip you with a good understanding of the operation of financial markets;
- Enable you to apply economic analysis to a range of policy areas;
- Equip you with knowledge and understanding of the workings of the economy;
- Equip you with appropriate conceptual and analytic tools, and to provide opportunities for the development and application of these tools;
- Enable you to develop critical and evaluative thinking in the context of economics and finance;
- Enable you to develop a range of skills and abilities that will contribute to your effectiveness in employment;
- Support you in becoming an independent learner, and in planning your studies and subsequent career.

Programme Learning Outcomes
Knowledge and Understanding

On successful completion of this programme you will have knowledge and understanding of:

A1. demonstrate knowledge and understanding of the central theoretical and practical concepts of microeconomics, macroeconomics and finance;
A2. use analytical methods, both theory and model based;
A3. apply core economic theory and economic reasoning to a range of topics, including the analysis of economic policy and the assessment of the performance of the UK and other economies;
A4. understand the relationship between economic policy recommendations and the theoretical and empirical features of the economic analysis that underlie such recommendations;
A5. understand and interpret financial and managerial information;
A6. understand the theory and practice of investment and finance.

Teaching and Learning Methods

You will experience a wide variety of teaching methods and a range of opportunities for learning, designed to facilitate a progressively deeper understanding of the subjects and foster independent learning. Methods include:

- Lectures
  This is an effective way of conveying information and explaining ideas. As your study progresses, the lectures explore the relevant issues in greater depth to reflect and further the development of your knowledge and understanding.

- Problem classes
  These small-group sessions are used in quantitative and theoretical modules. Students are assigned a set of problems to complete before the class. During the class session the class tutor and students will go through the problems together.

- Seminars
  In certain modules students participate in fortnightly small-group seminars. These take various forms but all are designed to encourage a high level of participation by students. Students will be given specific reading to do in preparation for the seminar.

- Consultation with academic staff
  All academic staff hold ‘office hours’ during which you can drop in for individual discussion of the ideas and arguments encountered in lectures and your reading, or which you have arrived at yourself.

- Research supervision
  In the final year, you will undertake a dissertation (an extended research project) in economics, supervised by a member of academic staff with expertise in the area it concerns. In preparing the dissertation, you will have the opportunity to meet with the supervisor to explore the issues it concerns, to receive guidance on your research and reading, and to receive feedback on the work as it progresses.

- Independent study
  Independent study forms an essential part in the development of your knowledge and understanding. This will involve careful reading of primary and secondary texts, thoughtful reflection on issues raised in those texts or in class, and arriving at your own considered opinions on the topics you are studying.

Assessment Methods
A range of formative and summative assessment exercises are designed to enable you to demonstrate and apply your knowledge and understanding. Methods of assessment include:

- Written examinations
- Mid-term tests
- Essays
- Exercises and problem sets
- Team projects
- Final year interim report and dissertation
- Library skills exercise

Subject Specific Intellectual and Research Skills

On successful completion of this programme you will be able to:

B1. abstract the essential features of complex systems and provide a useable framework for the evaluation and assessment of the effects of policy and other exogenous events.

B2. apply logical analysis to assumption-based models and make use of inductive reasoning;

B3. demonstrate familiarity with principal sources of economic information and data, and be able to organise and present such data in an informative manner;

B4. recognise what should be taken as given or fixed for the purpose of specifying and solving a problem, and the implications of potential constraints for policy implementation;

B5. produce reasoned arguments and reach logical conclusions, and support both by references to relevant theoretical frameworks and supporting evidence, including the appropriate literature.

Teaching and Learning Methods

Lectures, problem classes, seminars, consultation with academic staff, research supervision, independent study.

Assessment Methods

Written examinations, mid-term tests, essays, exercises and problem sets, team projects, final year interim report and dissertation, library skills exercise.

Transferable and Generic Skills

On successful completion of this programme you will be able to:
C1. communicate ideas and arguments in written and oral form;
C2. manipulate quantitative data using a range of mathematical and statistical methods;
C3. interpret and analyse qualitative and quantitative information;
C4. use email, access information via the Web and undertake basic word processing;
C5. solve problems, sometimes in quite complicated situations;
C6. use quantitative reasoning in economic contexts;
C7. identify, select and access a range of sources of printed, electronic and other material as a means to the development and presentation of arguments and evidence;
C8. collaborate with others and contribute effectively to the achievement of common goals;
C9. manage your time effectively;
C10. use library and other resources, including the application of bibliographical skills;
C11. analyse and interpret data using a range of statistical computer software;
C12. work independently demonstrating initiative and self-management.

**Teaching and Learning Methods**

The above skills are imparted through various aspects of teaching and learning. Methods particularly important for developing transferable skills include:

- Compulsory modules in statistics and mathematics.
- Library skills sessions, which take place during new students’ induction and when embarking on the dissertation. These help students learn how to identify and make use of resources, including online resources.
- Seminars, in which students present their own views and those of others verbally.
- Team projects for which students must communicate and collaborate with each other, assign tasks, collate information and produce a final joint piece of work.
- Dissertation work, in which students produce an extended piece of research.

**Assessment Methods**

All assessment methods are designed in part to encourage and assess the above skills. Methods particularly important for developing transferable skills include:

- Group research projects, which require students to work together effectively, to delegate responsibilities, and to manage time.
- Dissertations, which require independent study, research skills, time management, and the ability to present complex ideas in writing.
- Essays, in which students demonstrate their ability to interpret complex texts, to present their views and those of others in writing, to argue for and against various positions, and to work to a deadline.
- Exams, which test your ability to present and debate ideas in writing and to communicate effectively under strict time constraints.

**Disciplinary Specific Learning Outcomes**
On successful completion of this programme you will be able to:

E1. An understanding of the importance of opportunity cost and trade-offs;
E2. An understanding of the significance of rules in providing incentives for behaviour;
E3. The ability to recognise disequilibria and think coherently about their consequences;
E4. An understanding of the roles of opportunities, strategies, outcomes, information and motivation in the analysis of strategic actions, including conflict, bargaining and negotiation;
E5. The ability to react appropriately in a context where people’s behaviour is based on expectations that may be confounded by subsequent surprises
E6. An awareness of the importance of the margin relative to the average.
E7. An appreciation of the possible gains from voluntary exchange.
E8. An understanding of the way that many economic decisions or events can trigger a complex chain of events.

Teaching and Learning Methods

You will experience a wide variety of teaching methods and a range of opportunities for learning, designed to facilitate a progressively deeper understanding of the subjects and foster independent learning. Methods include:

- Lectures
  This is an effective way of conveying information and explaining ideas. As your study progresses, the lectures explore the relevant issues in greater depth to reflect and further the development of your knowledge and understanding.

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- Independent study
  Independent study forms an essential part in the development of your knowledge and understanding. This will involve careful reading of primary and secondary texts, thoughtful reflection on issues raised in those texts or in class, and arriving at your own considered opinions on the topics you are studying.

Assessment Methods
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- Written examinations
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- Exercises and problem sets
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- Final year interim report and dissertation
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**Programme Structure**

The programme structure table is below:

Information about pre and co-requisites is included in individual module profiles.

**Part I**

Typical programme content

The programme is studied over three years full-time. Study is undertaken at three parts, each corresponding to one year of full-time study.

Module choices in year one are dependent on whether you have studied economics at A level. The programme structure below outlines the modules that you may typically expect to study, although this may vary depending on demand for the modules and staff availability. Eight modules are studied each year, with four in each semester. During year three you will study a dissertation, equivalent to two modules, which is a piece of independent research on a topic of your choice spread over both semesters.

Programme details

The structure of the programme and the modules currently offered are set out below. Modules are devoted to specific topics. Of the modules shown against each year of your programme, some are compulsory (ie enrolment is automatic) and others are options. A core module is compulsory and it must be passed in order to progress to the next year of the degree. Against each year, you are directed to which modules are compulsory and which are options. The options modules listed constitute an indicative list. There will always be choice but the options might vary between years. A list of optional modules will be available to you via the Student Record Self-Service system once you enrol at the University.

The programme is studied over three years full-time. Study is undertaken at three years, each corresponding to one year of full-time study. There are 30 study weeks in each year, divided into two semesters. The programme is divided into compulsory and optional modules, and in each year you take a number of modules totalling 120 CATS points. At each level, some of these option modules may be from disciplines other than economics and management sciences, subject to the restriction that no more than two such modules may be taken in years 2 and 3 combined.
The programme comprises three parts, each corresponding to one year of full-time study. You will normally have to take 4 modules (30 ECTS/60 CATS) each semester (i.e. 8 modules (60 ECTS/120 CATS)) in each year of the programme. Each CATs point can be considered as the equivalent of approximately ten hours of study. All the modules offered in this programme (except the dissertation) are 7.5 ECTS/15 CATS modules. This means that each module comprises around 150 hours of study divided into contact time (e.g. lectures, seminars, workshops) and non-contact time when you will be engaged in directed study (preparation for classes) and independent study when you will be involved in producing assignments and preparing and taking examinations.

The dissertation is a 15 ECTS/30 CATS module comprising 300 hours of study divided into contact time (workshops and supervisory tutorials) and a significantly larger portion of hours allocated to non-contact, independent study time. This is because the dissertation is designed to foster independent inquiry and is the culmination of three levels of study, enabling you to apply theories and methods explored at all years and to examine one area of the discipline in detail.

Option modules may be from disciplines other than Economics and Management, subject to the restriction that no more than two such modules may be taken in years 2 and 3 combined. Prerequisite requirements must be fulfilled in the choice of options.

### Part I Compulsory

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON1016</td>
<td>Economics Skills and Employability 1</td>
<td>0</td>
<td>Compulsory</td>
</tr>
</tbody>
</table>

### Part I Core

Students with No A Level Economics:
ECON1001 - Foundations of Microeconomics

Students with A Level Economics:
ECON1003 - Principles of Microeconomics

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON1001</td>
<td>Foundations of Microeconomics</td>
<td>7.5</td>
<td>Optional/Core</td>
</tr>
<tr>
<td>ECON1003</td>
<td>Principles of Microeconomics</td>
<td>7.5</td>
<td>Optional/Core</td>
</tr>
<tr>
<td>MANG1001</td>
<td>Financial Accounting 1</td>
<td>7.5</td>
<td>Core</td>
</tr>
<tr>
<td>MANG1002</td>
<td>Management Accounting 1</td>
<td>7.5</td>
<td>Core</td>
</tr>
<tr>
<td>ECON1008</td>
<td>Mathematics for Economics</td>
<td>7.5</td>
<td>Core</td>
</tr>
<tr>
<td>ECON1002</td>
<td>Principles of Macroeconomics</td>
<td>7.5</td>
<td>Core</td>
</tr>
<tr>
<td>ECON1007</td>
<td>Statistics for Economics</td>
<td>7.5</td>
<td>Core</td>
</tr>
</tbody>
</table>
Part I Optional

The option modules shown below constitute an indicative list; there will always be choice but the options might vary between years. A full list of option modules and rules will be available to you via the Student Record Self-Service system once you enrol at the University.

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
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<th>Type</th>
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<tbody>
<tr>
<td>ECON1004</td>
<td>Economic Perspective and Policy</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON1014</td>
<td>Economics with Experiments</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG1003</td>
<td>Introduction to Management</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG1007</td>
<td>Management Analysis</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG1009</td>
<td>Management and Organisations</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON1011</td>
<td>Quantitative Modelling in Economics</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON1015</td>
<td>Topics in Economic History</td>
<td>7.5</td>
<td>Optional</td>
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</table>

Part II

Part II Compulsory

<table>
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<th>Code</th>
<th>Module Title</th>
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<tbody>
<tr>
<td>ECON2034</td>
<td>ECON Dissertation: Prelim Info</td>
<td></td>
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<tr>
<td>ECON2035</td>
<td>Economics Skills and Employability 2</td>
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<tr>
<td>ECON2002</td>
<td>Macroeconomic Policy 2</td>
<td>7.5</td>
<td>Compulsory</td>
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<tr>
<td>ECON2003</td>
<td>Microeconomics of Markets</td>
<td>7.5</td>
<td>Compulsory</td>
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<tr>
<td>ECON2033</td>
<td>Microeconomics of Strategy</td>
<td>7.5</td>
<td>Compulsory</td>
</tr>
<tr>
<td>MANG2004</td>
<td>Portfolio Theory and Financial Markets</td>
<td>7.5</td>
<td>Compulsory</td>
</tr>
</tbody>
</table>
Part II Optional

Students should also take either:
ECON2006 - Statistical Theory 2 and ECON2007 - Econometrics 2
OR
ECON2026 - Introduction to Econometrics and ECON2032 - Methods of Econometrics

The option modules shown below constitute an indicative list; there will always be choice but the options might vary between years. A full list of option modules and rules will be available to you via the Student Record Self-Service system once you enrol at the University.

Optional modules may be from disciplines other than Economics and Management, subject to the restriction that no more than 30 CATS points of such modules may be taken in years 2 and 3 combined.

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>ECON2013</td>
<td>Development Economics</td>
<td>7.5</td>
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</tr>
<tr>
<td>ECON2007</td>
<td>Econometrics 2</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG2013</td>
<td>European Business Environment</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON2005</td>
<td>Industrial Economics 2</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON2026</td>
<td>Introduction to Econometrics</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG2005</td>
<td>Management Accounting 2</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON2032</td>
<td>Methods of Econometrics</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG2066</td>
<td>Principles of Audit and Taxation</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON2006</td>
<td>Statistical Theory 2</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON2004</td>
<td>Topics in Macroeconomics 2</td>
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</table>

Part III

Part III Compulsory

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON3033</td>
<td>Economics Skills and Employability 3</td>
<td>0</td>
<td>Compulsory</td>
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</table>
### Part III Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
<th>Type</th>
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<tbody>
<tr>
<td>ECON3023</td>
<td>Dissertation/Project</td>
<td>15</td>
<td>Core</td>
</tr>
</tbody>
</table>

### Part III Optional

The option modules shown below constitute an indicative list; there will always be choice but the options might vary between years. A full list of option modules and rules will be available to you via the Student Record Self-Service system once you enrol at the University.

Optional modules may be from disciplines other than Economics and Management, subject to the restriction that no more than 30 CATS of such modules may be taken in years 2 and 3 combined.

Students must choose to study either
- MANG3009 International Banking
- MANG3020 Futures and Options

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<thead>
<tr>
<th>Code</th>
<th>Module Title</th>
<th>ECTS</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>ECON3031</td>
<td>Applied Econometrics</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG3020</td>
<td>Futures and Options</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>MANG3009</td>
<td>International Banking</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON3034</td>
<td>International Trade Theory &amp; Policy</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON3027</td>
<td>Labour Economics</td>
<td>7.5</td>
<td>Optional</td>
</tr>
<tr>
<td>ECON3010</td>
<td>Topics in Macroeconomics 3</td>
<td>7.5</td>
<td>Optional</td>
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</tbody>
</table>

### Progression Requirements

The programme will follow the University's regulations for *Progression, Determination and Classification of Results: Undergraduate and Integrated Masters Programmes* or the University's regulations for *Progression, Determination and Classification of Results: Standalone Masters*
Support for student learning

There are facilities and services to support your learning some of which are accessible to students across the University and some of which will be geared more particularly to students in your particular Faculty or discipline area.

The University provides:

- library resources, including e-books, on-line journals and databases, which are comprehensive and up-to-date; together with assistance from Library staff to enable you to make the best use of these resources
- high speed access to online electronic learning resources on the Internet from dedicated PC Workstations onsite and from your own devices; laptops, smartphones and tablet PCs via the Eduroam wireless network. There is a wide range of application software available from the Student Public Workstations.
- computer accounts which will connect you to a number of learning technologies for example, the Blackboard virtual learning environment (which facilitates online learning and access to specific learning resources)
- standard ICT tools such as Email, secure filestore and calendars.
- access to key information through the MySouthampton Student Mobile Portal which delivers timetables, Module information, Locations, Tutor details, Library account, bus timetables etc. while you are on the move.
- IT support through a comprehensive website, telephone and online ticketed support and a dedicated helpdesk in the Hartley Library.
- Enabling Services offering support services and resources via a triage model to access crisis management, mental health support and counselling. Support includes daily Drop In at Highfield campus at 13.00 – 15.00 (Monday, Wednesday and Friday out of term-time) or via on-line chat on weekdays from 14.00 – 16.00. Arrangements can also be made for meetings via Skype.
- assessment and support (including specialist IT support) facilities if you have a disability, long term health problem or Specific Learning Difficulty (e.g. dyslexia).
- the Student Services Centre (SSC) to assist you with a range of general enquiries including financial matters, accommodation, exams, graduation, student visas, ID cards
- Career and Employability services, advising on job search, applications, interviews, paid work, volunteering and internship opportunities and getting the most out of your extra-curricular activities alongside your degree programme when writing your CV
- Other support that includes health services (GPs), chaplaincy (for all faiths) and 'out of hours’ support for students in Halls and in the local community, (18.00-08.00)
- A Centre for Language Study, providing assistance in the development of English language and study skills for non-native speakers.

The Students’ Union provides

- an academic student representation system, consisting of Course Representatives, Academic Presidents, Faculty Officers and the Vice-President Education; SUSU provides training and support for all these representatives, whose role is to represent students’ views to the University.
- opportunities for extracurricular activities and volunteering
- an Advice Centre offering free and confidential advice including support if you need to make an academic appeal
- Support for student peer-to-peer groups, such as Nightline.

Associated with your programme you will be able to access:

- Module co-ordinators support. Module co-ordinators will be available at designated times during the week to discuss issues related to the particular modules you are studying at the time. This will be in addition to class contact time.
- Academic/personal tutor. As soon as you register on this programme, you will be allocated a personal tutor. S/he is a member of the academic team and will be available to discuss general academic issues related to the programme as well as offer advice and support on any personal issues which may affect your studies.
- Module handbooks/outlines. These will be available at the start of each module (often in online format).

The Handbook includes the aims and learning outcomes of the module, the methods of assessment, relevant background material to the module and a session-by-session breakdown of the module together with appropriate reading lists
- Within the Faculty, administrative support is provided by your Student Office which deals with student records and related issues and with queries related to your specific degree programme.

Methods for evaluating the quality of teaching and learning
You will have the opportunity to have your say on the quality of the programme in the following ways:

- Completing student surveys for each module of the programme
- Acting as a student representative on various committees, e.g. Staff: Student Liaison Committees, Faculty Programmes Committee OR providing comments to your student representative to feedback on your behalf.
- Serving as a student representative on Faculty Scrutiny Groups for programme validation
- Taking part in programme validation meetings by joining a panel of students to meet with the Faculty Scrutiny Group

The ways in which the quality of your programme is checked, both inside and outside the University, are:

- Regular module and programme reports which are monitored by the Faculty
- Programme validation, normally every five years.
- External examiners, who produce an annual report
- A national Research Excellence Framework (our research activity contributes directly to the quality of your learning experience)
- Institutional Review by the Quality Assurance Agency

Further details on the University's quality assurance processes are given in the *Quality Handbook*.

**Career Opportunities**

Employability is embedded into modules from the first year onwards and right from the first lecture. We explain the degree skills which are taught throughout the modules and offer a number of optional employability modules.

The skills you will develop are in high demand. Our degrees are a passport to vocational and non-vocational careers alike, with recent graduates employed in a diverse range of professions from banking and insurance to analysis, market research and economics.

**External Examiner(s) for the programme**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Patrick W Marsh</td>
<td>University of Nottingham</td>
</tr>
<tr>
<td>Professor Dieter Balkenborg</td>
<td>University of Exeter</td>
</tr>
<tr>
<td>Dr Panayiotis Pourpourides</td>
<td>University of Cardiff</td>
</tr>
<tr>
<td>Dr Elisabetta Barone</td>
<td>Brunel University</td>
</tr>
<tr>
<td>Professor Neil M Kellard</td>
<td>University of Essex</td>
</tr>
</tbody>
</table>
Students must not contact External Examiner(s) directly, and external examiners have been advised to refer any such communications back to the University. Students should raise any general queries about the assessment and examination process for the programme with their Course Representative, for consideration through Staff: Student Liaison Committee in the first instance, and Student representatives on Staff: Student Liaison Committees will have the opportunity to consider external examiners' reports as part of the University’s quality assurance process.

External examiners do not have a direct role in determining results for individual students, and students wishing to discuss their own performance in assessment should contact their Personal Academic Tutor in the first instance.

Please note: This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities that are provided. More detailed information can be found in the programme handbook.
Appendix 1:

Students are responsible for meeting the cost of essential textbooks, and of producing such essays, assignments, laboratory reports and dissertations as are required to fulfil the academic requirements for each programme of study. In addition to this, students registered for this programme also have to pay for:

Additional Costs

<table>
<thead>
<tr>
<th>Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Licenses</td>
<td>Like hardware below: publicly available software in public workstations and some available via iSolutions, but otherwise purchase.</td>
</tr>
<tr>
<td>Hardware</td>
<td>Publicly available workstations and some available via iSolutions, but otherwise purchase.</td>
</tr>
<tr>
<td>Stationery</td>
<td>You will be expected to provide your own day-to-day stationery items, e.g. pens, pencils, notebooks, etc.). Any specialist stationery items will be specified under the Additional Costs tab of the relevant module profile.</td>
</tr>
<tr>
<td>Textbooks</td>
<td>Where a module specifies core texts these should generally be available on the reserve list in the library. However due to demand, students may prefer to buy their own copies. These can be purchased from any source. Some modules suggest reading texts as optional background reading. The library may hold copies of such texts, or alternatively you may wish to purchase your own copies. Although not essential reading, you may benefit from the additional reading materials for the module.</td>
</tr>
<tr>
<td>Approved Calculators</td>
<td>Candidates may use calculators in the examination room only as specified by the University and as permitted by the rubric of individual examination papers. The University approved model is Casio FX-570 This may be purchased from any source and no longer needs to carry the University logo.</td>
</tr>
<tr>
<td>Printing and Photocopying Costs</td>
<td>In the majority of cases, coursework such as essays; projects; dissertations is likely to be submitted on line. However, there are some items where it is not possible to submit on line and students will be asked to provide a printed copy. A list of the University printing costs can be found here: <a href="http://www.southampton.ac.uk/isolutions/students/printing-for-students.page">http://www.southampton.ac.uk/isolutions/students/printing-for-students.page</a></td>
</tr>
</tbody>
</table>

In some cases you'll be able to choose modules (which may have different costs associated with that module) which will change the overall cost of a programme to you. Details of such costs will be listed in the Module Profile. Please also ensure you read the section on additional costs in the University's Fees, Charges and Expenses Regulations in the University Calendar available at www.calendar.soton.ac.uk.