

## **BSc (External) Degree in Quantity Surveying**      UCAS code: N/A

Awarding Institution: The University of Reading  
Teaching Institution: College of Estate Management  
Relevant QAA subject benchmarking group(s): Building and Surveying  
Faculty of Science Programme length: 4 years  
For students entering Level 1 in December 2004 Date of specification: 18 June 2004  
Programme Director: Sandra Lee  
Board of Studies: Board of Studies for Undergraduate Programmes in Construction Management  
Accreditation: RICS, HKIS, SISV (to be sought )

### **Summary of programme aims**

The programme aims to provide students with a sound understanding of the principles and practices involved in quantity surveying up to degree level standard and to prepare them for progression to Masters level should they so wish.

### **Transferable skills**

The University's Strategy for Teaching and Learning has identified a number of generic transferable skills which all students are expected to have developed by the end of their degree programme. In following this programme, students will have had the opportunity to enhance their skills relating to career management, communication (both written and oral), information handling, numeracy, problem-solving, team working and use of information technology.

This will be demonstrated in the assignment and project work that the student submits and in the face to face sessions where appropriate. The distance learning aspect of the course also encourages self-discipline, self-motivation and good time management.

### **Programme content**

The profile that follows states which modules must be taken (compulsory modules), together with the lists of modules that the student may select their options from.

#### **Level 1A (Dec - Sept)**

##### *Compulsory modules*

Mod Code	Module Title	Credits	Level	
	<i>Economics 1</i>	20	C	HE1
	<i>Introduction to Law</i>	20	C	HE1
	<i>Technology 1( Low rise )</i>	30	C	HE1
	<i>People and Information management</i>	20	C	HE1

#### **Level 1B (Dec - Sept)**

##### *Compulsory modules*

Mod Code	Module Title	Credits	Level	
	<i>Economics of the Construction Industry</i>	20	I	HE2
	<i>Technology 2 ( High rise )</i>	30	C	HE1
	<i>Managing products and finance</i>	20	I	HE2
	<i>QS Practice 1</i>	20	I	HE2

#### **Level 2 (Dec - Sept)**

*Credits    Level*

### *Compulsory modules*

Mod Code	Module Title			
	<i>Technology 3</i>	30	I	HE2
	<i>QS Practice 2</i>	20	H	HE3
	<i>Building Economics</i>	20	H	HE3
	<i>Contract Procedures</i>	20	I	HE2

### **Level 3 (Dec - Sept)**

#### *Compulsory modules*

Mod Code	Module Title	Credits	Level	
	<i>Construction Law</i>	20	H	HE3
	<i>Project</i>	30	H	HE3
	<i>One from the following:</i>			
	<i>Building QS Practice</i>	20	H	HE3
	<i>Civil Engineering QS Practice</i>	20	H	HE3
	<i>Building Services QS Practice</i>	20	H	HE3

#### *Optional modules:*

Mod Code	Module Title			
	<i>Construction Planning, Tendering and Finance</i>	20	H	HE3
	<i>Project Development and Strategy</i>	20	H	HE3
	<i>Facilities Management</i>	20	H	HE3

### **Progression requirements**

Each module is assessed to an overall 40 % pass mark with assignments contributing 30% and examinations 70% of the available marks. There is no minimum requirement in either examinations or assignments.

Students who fail one module at Level 1A may proceed to Level 1B at the discretion of the Examinations Board. They may then have a further attempt at that module at the same time as sitting their Level 1B examinations.

Students who fail one module at Level 1B may proceed to Level 2 at the discretion of the Examinations Board. They may then have a further attempt at that module at the same time as sitting their Level 2 examinations.

Students who fail one module at Level 2 may proceed to Level 3 on the same basis as above.

Students who fail more than one module must pass the failed modules before proceeding to the next level.

Students are allowed three attempts at each module at each level of the course.

### **Summary of teaching and assessment**

Teaching is organised in modules that typically involve distance learning study materials supplemented by periods of face to face teaching. All modules are assessed by a mixture of coursework and examinations with the exception of the project at Level 3. Details are provided in the module specifications.

Only Level 3 contributes towards the overall assessment of the Degree.

Students who leave the course after level 1B, having passed QS Practice 1 and with a minimum of 120 credits will be awarded a Certificate of Higher Education in Quantity Surveying, and those who leave after level 2 with a minimum of 240 credits will be awarded a Diploma of Higher Education in Quantity Surveying.

### **Admission requirements**

Entrants to this programme are normally required to have obtained:

Grade C or better in English in GCSE or equivalent; and achieved 2 or 3 A-Levels with a minimum of 17 points. The College has undertaken to comply with the RICS threshold of 17 'A' level points for 75% of UK entrants at Level 1A as from 1 December 2001.

Two AS grades are accepted in place of one A-Level

NVQ level 4 or 5

University degree, diploma or certificate,

Degree or certificate from a recognised technological or other institution.

HNC or HND with all merits is equal to 17 points. An additional point is given for a distinction in a module but a point is deducted for every pass module.

ONC/OND All distinctions will be assessed at 18 points, merit 12 points and pass 4 points.

Professional qualification from an acceptable institution

Certain armed forces qualifications

Admissions Tutor: Sue Rivers (College of Estate Management)

### **Support for students and their learning**

The University provides learning support for local students through the library, which, across its three sites, holds over a million volumes, subscribes to around 4,000 current periodicals, has a range of electronic sources of information. Students currently have no access to the University computers. Since the majority are based overseas, this is not really relevant. It is a requirement of the course that students have personal access to a computer.

Within the College of Estate Management further support is provided by direct email contact with subject tutors, Web based discussion forums and the provision of lecture notes and assignment answers on the College Web pages. There is a Course Adviser to offer advice on the choice of modules within the programme. The course administrators or tutors (as appropriate) provide pastoral care. Text books, videos and audio tapes are currently provided to support the study material.

### **Career prospects**

This programme is to run in parallel with an already established course. The students are normally already in relevant employment and are using the Degree as a means of gaining a professional surveying qualification. The course is widely seen as enhancing career prospects but often leads students to further study at postgraduate level.

### **Opportunities for study abroad or for placements**

Not Applicable. As the programme is on a distance learning basis students are free to travel whilst they study and examinations can normally be arranged in most countries with sufficient notice.

### **Educational aims of the programme**

The programme aims to provide a thorough Degree level education in Quantity Surveying, with a sound understanding of the principles and practices required by the current profession. It aims to produce competent surveyors with the ability to progress to Professional status.

### **Programme Outcomes**

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas:

#### ***Knowledge and Understanding***

##### **A. Knowledge and understanding of:**

1. the academic and theoretical principles specific for professional expertise in their chosen discipline.
2. the technology required for constructing a range of buildings and their associated services.
3. the legal background to working in the construction industry.
4. the economics relating to construction and property.
5. the management of organisations and products

##### **Teaching/learning methods and strategies**

The knowledge required for each module is contained in the study papers and supported by lectures, workshops and seminars. Study papers contain self assessment questions and answers. Feedback is given on assessed work only. In the later stages of the programme students are expected to research more beyond the study materials provided.

##### *Assessment*

Knowledge is tested through a combination of coursework and unseen examinations. The final year project is a piece of individual research work.

## *Skills and other attributes*

### **B. Intellectual skills – able to:**

1. think logically
2. analyse and solve problems
3. organise tasks into a structured form
4. transfer appropriate knowledge and methods from one topic within a subject to another
5. plan, conduct and write a report on an independent project.

### **Teaching/learning methods and strategies**

Logic is an essential part of a QS's skill in breaking down the sequence of constructing, measuring and evaluating work. Analysing and solving problems, both of a financial and contractual nature, are common activities in the day to day employment of a surveyor. The format of the assignments and examination questions will generally be based around practical situations requiring problem solving. More straight forward problems will be used at the lower levels, but at Levels 2 and 3 students will be required to transfer the knowledge from previous modules and apply it to particular problems. Many surveyors are involved in writing reports for clients either at feasibility stages or on completion. The project will develop independent research and report writing skills.

#### *Assessment*

Items 1 – 4 will be assessed during the assignments and examinations, with item 5 being tested in the project module at Level 3.

### **C. Practical skills – able to:**

1. give advice regarding appropriate procurement routes and understand the pricing of tender documents
2. measure and evaluate construction work
3. understand the factors influencing the viability of a project from inception to completion
4. appreciate the methods to be used when resolving disputes under construction contracts

### **Teaching/learning methods and strategies**

Procurement, measurement and evaluation are taught in the QS Practice modules and the Contract Procedures module. The Introduction to Law provides the legal background to contracts, which is reinforced in the Construction Law module. The QS practice modules develop the more technical skills from Level 1B and 2 to more critical and analytical skills at Level 3. The viability of projects is covered fundamentally in the Finance and Development module and further expanded in the Project Development and Strategy module. Disputes arise at all stages of construction contracts and the legal modules build from a theoretical approach to problem solving at the higher levels.

#### *Assessment*

All assessment is in the assignments and examinations.

**D. Transferable skills – able to:**

1. communicate effectively including using IT
2. work as part of a team
3. be self-motivated
4. manage time
5. develop CPD discipline
6. develop a capacity for independent thought

**Teaching/learning methods and strategies**

The use of IT is embedded throughout the course both in communicating with the College as a research means and as a tool for word processing and spreadsheet calculations. The distance learning aspect of the course encourages self-motivation and time management and, due to the fact that most students are already in employment, it encourages the development of good CPD practice. Team working is difficult to encourage with this type of course but local tutor groups are encouraged and group exercises at face to face sessions are undertaken.

*Assessment*

Communication in the written form is assessed by assignments and examinations. The ability for independent thought is assessed in the project. The other skills are not directly assessed but their effective use will improve performance in modules.

*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 expect to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in module and programme handbooks.