Year One

Year One modules

- **Professional, Academic and Business Skills** (20 credits)
  This module provides you with an introduction to academic study and to the built environment professions and the nature of the work carried out by surveyors. The module will include the following:
  - Introduction to the University facilities, support and software
  - Study and ICT skills – self-study, research and analysis, numeracy skills, introduction to financial methods
  - Personal development planning
  - Introduction to the professions and their ethics and codes of conduct
  - Introduction to client and corporate issues
  - UK city related project with presentation of group-based analysis

**Delivery and assessment**
This module will use a wide range of teaching methods. These include lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

Recent field trips and guest speakers on this module include:

- Sheffield: visit hosted by Sheffield County Council and South Yorkshire Forest Partnerships. Students gained an insight into regional development activities visiting several regeneration sites in the city
- RICS Nottingham – guest lecture by RICS Nottingham about RICS matrics
- Innes England – guest lecture on property development
- Nottingham Regeneration Ltd – guest lecture on regeneration projects around Nottingham Train station

Assessment is 100% coursework.

- **Surveying Skills** (20 credits)
  This module will provide you with an introduction to practice and surveying skills which will be developed throughout the course of your degree and in the workplace. The module will introduce:
  - A range of surveying and related skills
  - The surveying profession
  - A variety of survey types and techniques
  - The inspection of land and buildings
  - RICS Code of Measuring Practice and other professional requirements
  - Desk top studies including mining, flooding, environmental, energy rating, structural engineering, damp, arborist and service engineering
  - The concept and purpose of valuation
  - Mapping and the interpretation of plans and drawings
  - The application of trigonometry and geometry in measurement
Delivery and assessment
The range of methods used to deliver this module include lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

Assessment is 100% coursework.

• Construction (20 credits)
The Construction module introduces you to a range of technical, practical and environmental principles involved in the construction of a range of traditional and non-traditional buildings. It provides a framework for understanding the environmental impact of buildings and introduces the concept of building pathology which examines why buildings fail. The following areas will be explored:
  o Excavations, foundations and construction below ground
  o Ground floor construction
  o Externals walls and openings
  o Upper floor construction
  o Internal walls and partitions
  o Roofs, roof coverings and rain water goods
  o Stairs, ramps and disabled access
  o Fixtures, fittings and finishes
  o Traditional load bearing masonry buildings
  o Framed buildings
  o High-rise buildings
  o Modern methods of construction (MMC)
  o Services and sanitary provisions in buildings
  o Sustainable technologies in the built environment

Delivery and assessment
This module will be delivered through a range of methods including lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

30% of your mark for this module will be assessed by an exam. The remaining 70% of your mark will be assessed by a coursework submission.

• Economics and Valuation (20 credits)
This module introduces property economics, the links between the economy and the property market as well as giving you a overview of property valuation. By the end of the module you will be able to use economic concepts and the theory of supply and demand to explain activities in the construction and property market.

Delivery and assessment
The module is delivered through a range of methods including lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

30% of your mark for this module will be assessed by an exam. The remaining 70% of your mark will be assessed by a coursework submission.
• **Law** (20 credits)
This module introduces you to the English legal system and its relationship with European Union law. You will gain an understanding of how law is made, applied and developed, and how it impacts on professional activities within the development and property professions. It addresses the following areas of the law:

  o English legal systems
  o Contract Law
  o Tort
  o Health and Safety

**Delivery and assessment**
The module is delivered through a range of methods including lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

You may have the opportunity to visit London with a tour of the Houses of Parliament and the High Court.

30% of your mark for this module will be assessed by an exam. The remaining 70% of your mark will be assessed by a coursework submission.

• **Planning and Land Use** (20 credits)
This module introduces the concepts and principles of the planning system. The content of the module is underpinned by the concept of sustainable development and it considers the impact of climate change on how cities will evolve and adapt in the future. The following area are introduced:

  o The nature and evolution of planning principles and values
  o Planning process and legislative framework
  o Sustainable development and climate change
  o Spatial planning
  o Transportation and land use
  o Regeneration
  o Heritage and conservation
  o Land use and urban design
  o Government and governance; institutions and stakeholders
  o Private sector influence over land use

**Delivery and assessment**
The module is delivered through a range of methods including lectures, seminars, tutorials, workshops, surgeries, field trips and labs.

30% of your mark for this module will be assessed by an exam. The remaining 70% of your mark will be assessed by a coursework submission.
Year Two modules

- **Structural Appraisal** (20 credits)
  This module develops your knowledge of the performance of buildings and their component parts. You will gain an understanding of the modes of failure and different construction materials and be introduced to basic structural design, dis-repair and methods of remediation.

  The module will include the following aspects:
  - Principles of structural loading and design
  - Movement in buildings and diagnosis of cracking
  - Durability of building materials
  - Identification of building defects and their causes
  - Design, specification, implementation and supervision of remedial work

**Delivery and assessment**

The module will be delivered through a range of lectures, seminars, tutorials, workshops, surgeries (to support mathematical content), studios, field trips and labs.

50% of your mark will be assessed by an exam. The remaining 50% will be assessed by a coursework submission.

- **Contract Administration and Procurement** (20 credits)
  On this module you will analyse the procurement process involved in appointing consultants and contractors for building projects.

  The module will contain the following:
  - The implications and application of the legal principles of contract and negligence within the construction industry
  - Landlord and Tenant
  - Rights and obligations of parties under standard forms of contract relating to the primary administration and control of buildings and civil engineering projects
  - The role of the lead consultant / contract administrator during pre and post stages of a construction project
  - Construction procurement strategies and options
  - Construction design and management regulations (CDM)
  - Corporate manslaughter

**Delivery and assessment**

The module will be delivered through a range of lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs.

50% of your mark will be assessed by an exam. The remaining 50% will be assessed by a coursework submission.

- **Building Design Project** (40 credits)
  During this module you will work in the studio to explore options in the selection of building materials, construction methods and environmental services. You will develop your proficiency at carrying out a range of surveys associated with land
and buildings. Further practice will be gained during a UK based residential surveying camp.

The module will include the following areas:
  o Building materials
  o Construction methods
  o Environmental services
  o Construction health and safety
  o Introduction to building regulations and statutory inspection
  o Specification writing
  o Supervision of works and quality control
  o Building surveys and reports
  o Architectural communication technology (digital and modelling communication methods) and presentation techniques
  o Problems identification and solving

**Delivery and assessment**
This module will be delivered through a combination of lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs. Half of your final mark will be assessed by an examination.

Assessment is 100% coursework.

- **Property Development: Principles and Practice** (20 credits)
  This module introduces you to the development process and the commercial drivers behind it. You will examine the roles of various participants in the development process and how they affect its end product.

  You will look at how commercial, financial, economic, legal, planning, design and physical development considerations contribute towards development schemes. There will also be the opportunity to investigate how development proposals are brought from initiation though to delivery on site.

  **Delivery and assessment**
  A range of methods will be used to deliver this module. These will include lectures, seminars, workshops, field trips, site visits and skills workshops.

  70% of your mark for this module is assessed by coursework. The remaining 30% of your mark will be assessed by an exam.

- **Employability and Commercial Awareness** (20 credits)
  This module provides guidance for gaining and preparing for employment within the property sector. You will be introduced to the requirements for the RICS Assessment of Professional practice and the principles of Employment Law, Health and Safety at Work Regulations and related procedures.

  The module contains the following principle components:
  o University procedures for administering placements and graduate employment
  o CV preparation
  o Cover letters and application forms
  o Interview preparation and techniques
  o Psychometric testing
  o Presentation skills and body language
  o Business organisation and structures
- Reading company financial reports
- SWOT and competitor analysis
- Workplace dynamics
- Market research
- Marketing strategies for surveyors
- Requirements of the RICS Assessment of Professional Competence
- Employment law

The module also incorporates a European field trip (or alternative international case study) to enable you to analyse contemporary issues in property markets beyond the UK.

The trip allows you to put theory in practice, develop your professional skills, learn about working in different cultures and gain insight into global aspects of the real estate industry.

**Delivery and assessment**
The module is delivered through a series of lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs.

Assessment is 100% coursework.
**Final year**

- **Heritage and Conservation** (20 credits)
  This module develops your knowledge and skills in relation to architectural history and conservation, heritage philosophy and practice. You will learn how to identify different architectural styles, appraise culturally significant buildings and manage proposed uses and interventions in line with current legal, technical and procedural considerations.

  You will focus on historic environments in the UK but will look at selective examples of worldwide good and bad practice.

  You will cover:
  - History of Architecture
  - Conservation and heritage philosophy and practice
  - Legislation, policies and procedures concerned with conservation and heritage
  - Surveying of historic buildings and places
  - Application of statutory obligations within a conserved environment including both individually protected buildings and area wide policies
  - Measured survey techniques
  - CAD as a data capture, drawing and presentation environment
  - Sensitive repair and development techniques for properties of character
  - Challenges and solutions to problems concerning the use and development of historic buildings and spaces.
  - Maintenance of the historic environment

**Delivery and assessment**

The module will be delivered through a range of methods including lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs.

Assessment is 100% coursework.

- **Building Surveying Practice** (40 credits)
  This module develops your knowledge of the performance of buildings and their component parts. It will provide an understanding of the current best practice in terms of building management and maintenance. You will be taught how to identify and diagnose complex defects in existing buildings and suggest methods of remediation. You will also look at the drawing up of schedules of planned and programmed maintenance work, gaining an understanding of budgetary control.

  The application of sustainable technologies to both new and existing buildings will be implicit throughout the module and you will be expected to understand methods of assessment used within the industry.

  You will cover:
  - Condition surveys, schedules of reactive and programmed maintenance
  - Statutory requirements
  - Specification of building works
  - Building regulations
  - Supervision and inspection of works (building control)
  - Housing maintenance, repair and improvement
  - Maintenance management
  - Application of sustainable technologies
• Energy efficiency and methods of assessment
• Construction health & safety
• Technical due diligence

**Delivery and assessment**
This module will be delivered through a range of lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs.

Assessment is 100% coursework.

• **Building Pathology (40 credits)**
  This module develops your knowledge of building pathology so that you can diagnose, assess and classify defects in low rise buildings in a practical setting. The aim is that you will be able to apply your knowledge to practical situations and specify the use of appropriate methods of diagnosis to deal with hidden defects and sensitive locations.

  You will cover:
  • Initial appraisal of building defects, via condition surveys and building surveys
  • Analysis and assessment of structurally damaged buildings
  • Non-destructive techniques of evaluating hidden defects including thermography, endoscopy, x-ray and ultrasound
  • Accurate measured survey and monitoring techniques for historic and other sensitive buildings
  • Advanced diagnosis and prevention of the causes of structural defects in low rise buildings
  • The role of the surveyor as a technical expert and expert witness, including analysis and assessment of structurally damaged buildings
  • The use of remote monitoring technologies
  • Advanced diagnosis and prevention of the causes of structural defects in low rise buildings
  • Aspects of structural insurance and the role of the surveyor as a technical expert, and expert witness, including the preparation of specialist reports

**Delivery and assessment**
This module will be delivered through a range of lectures, seminars, tutorials, workshops, surgeries, studios, field trips and labs.

Assessment is 100% coursework.

• **Research Project (20 credits)**
  This module requires you to investigate a topic of your choice in an extended project. You will critically analyse existing literature, recommend and apply suitable research methods, analyse data, and produce conclusions and recommendations.

**Assessment and delivery**
Lectures will cover key concepts and tutorials will be used to support this work and enable you to develop your project.

Assessment is 100% coursework.