

Module specification

When printed this becomes an uncontrolled document. Please access the **Module Directory** for the most up to date version by clicking on the following link: [Module directory](#)

Module Code	AUR599
Module Title	Building Surveying 2
Level	5
Credit value	20
Faculty	Faculty of Arts, Computing and Engineering
HECoS Code	100216
Cost Code	GABE

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc (Hons) Building Surveying	Core
BSc (Hons) Building Surveying Degree Apprenticeship	Core

Pre-requisites

N/A

Breakdown of module hours

Learning and teaching hours	30 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	30 hrs
Placement / work-based learning	0 hrs
Guided independent study	170 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	3 rd July 2024
With effect from date	September 2024
Date and details of revision	
Version number	1



Module aims

This module aims to equip students with a comprehensive understanding of building surveying principles, practices, and techniques. It focuses on developing subject-specific skills and knowledge necessary for effective building surveying in various contexts.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Develop an appreciation of the performance requirements of buildings and facilities, encompassing safety, durability, sustainability, and comfort criteria.
2	Survey and analyse the technical factors influencing building design and construction, including structural systems, materials, and environmental considerations.
3	Describe prevalent construction methods, materials, and technologies across different building sectors, including residential, industrial, and commercial.
4	Discuss various approaches to managing, maintaining, and repairing buildings throughout their lifecycle, considering maintenance scheduling, budgeting, and sustainability principles.

Assessment

Indicative Assessment Tasks:

1. Practical task conducting a comprehensive survey of a selected building, evaluating its performance, identifying technical factors affecting its design and construction, and proposing management, maintenance, and repair strategies based on their findings. The assessment will involve producing a detailed report outlining their observations, analysis, and recommendations, demonstrating an understanding of building surveying principles and practices. (1,500 words +/-10%, 50% weighting)
2. Written assessment focusing on modern practices in building surveying, exploring and critically analysing current trends, technologies, and methodologies employed in the field, addressing topics such as sustainable building practices, digital tools for surveying, and emerging regulatory frameworks (2,500 words +/-10%, 50% weighting)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	2 & 3	Practical	50
2	1 & 4	Written Assignment	50

Derogations

The pass mark for this module is 40%, and a minimum of 40% must be achieved in each assessment element.

Learning and Teaching Strategies

The module will be delivered through a combination of formal lectures, interactive seminars, and practical workshops. These sessions will cover key topics such as building performance requirements, technical factors affecting design and construction, mainstream construction technologies, and approaches to managing buildings.

Site visits to various buildings and construction sites will be incorporated into the module to provide real-world context and practical application of theoretical concepts. These visits will allow students to observe different building types, construction methods, and maintenance practices, enhancing their understanding of building surveying principles in action.

Assessment tasks will be designed to evaluate students' understanding and application of building surveying concepts. These assessments may include conducting a building survey, producing written assessments on modern practices in building surveying, and participating in group projects or presentations. Feedback from assessments will be used to guide students' learning and development throughout the module.

Indicative Syllabus Outline

The syllabus considers the broad range of building surveying facets and the role of the building surveyor in industry:

- Building surveying principles and practices
- Legal and regulatory frameworks
- Safety, durability, sustainability, and comfort considerations
- Materials classification, components, structural systems and properties Domestic, industrial, and commercial buildings
- Pathological processes and defects, diagnosis, and remediation Building maintenance and management, lifecycle management of buildings
- Socioeconomic and environmental factors and their influences on property development and construction
- Environmental impact of buildings and facilities and sustainability principles and practices
- Professional responsibilities, roles of key stakeholders in building surveying and collaboration and communication within multidisciplinary teams
- Cost management, estimation, budgeting techniques and value engineering Inclusive Design and Accessibility Emerging technologies in Building Surveying

The syllabus is not limited to the above and covers a broad spectrum of topics in building surveying and theoretical concepts and practical applications. The module will explore key considerations in building design, construction, maintenance, and management, preparing students for roles in the building surveying profession.

Indicative Bibliography:

Essential Reads

Glover, P. (2022), *Building Surveys*. Oxfordshire: Taylor & Francis

Other indicative reading

Goring, L. (2022), *Residential Surveying Matters and Building Terminology: In Alphabetical Order*. Oxfordshire: Taylor & Francis.

Richardson, B. (2019), *Defects and Deterioration in Buildings: A Practical Guide to the Science and Technology of Material Failure*. Oxfordshire: Taylor & Francis.

Chartered Institute of Architectural Technologists: www.ciat.org.uk

Royal Institute of British Architects www.architecture.com

Chartered Institute of Building www.ciob.org.uk

Ordnance Survey www.ordnancesurvey.co.uk/

Royal Institution of Chartered Surveyors www.rics.org

Institution of Civil Engineers www.ice.org.uk

Designing Buildings Wiki www.designingbuildings.co.uk

Institution of Structural Engineers www.istructe.org.uk

IHS Database www.ihsti.com