Course
Bachelor of Facilities Management

Course Code
V14115

Location
Chadstone Campus - taught on and off campus

Contact
Immanuel Vyas, Academic Administration Manager
immanuel.vyas@holmesglen.edu.au
| Level 1 |
|------------------|------------------|------------------|------------------|
| **Subject title** | **Anatomy of a Domestic Building** | **Sustainable Building Services** | **Building Information and Communications Management** | **Construction Site Operations** |
| **Code** | ADB110 | SBS110 | BCO111 | CSO111 |
| **Credit Points** | 6 | 6 | 6 | 6 |
| **Teaching Period** | Trimester 1 and 3 | Trimester 1 | Trimester 1 | Trimester 1 and 3 |
| **Core/Elective** | Core | Core | Core | Core |

**Subject Overview**

- Understanding of the basic forces that act on, and are supported by, domestic building structures (dead load, live load, wind load, load bearing structures and footings)
- Understanding of the low-rise domestic building as a 'built system' composed of distinct, interlocking subsystems (structure, envelope, partitions, services, fittings, finishes)
- Understanding of domestic building technology applicable to a range of types of domestic buildings
- Understanding of the process of building and development from concept development, development and building approval, through to completion and occupation
- Understanding of the Building Code of Australia provisions relevant to domestic buildings
- Understanding of the National Timber Framing Code
- Understanding of the concept of building services for a domestic or commercial building as a 'built system' that is comprised of numerous subsystems
- Understanding of regulatory and technical requirements relevant to reticulated (electrical, water, gas, sewerage and drainage, telecommunications) and designed building services (HVAC, fire, internal transportation) installations
- Understanding of energy efficiency and sustainable design with respect to building services, including lighting, power, heating, cooling, mechanical services, hot water, and water usage
- Understanding of the principles of integrated intelligent building services
- Ability to analyse design documentation and carry out on-site inspections of services installations and assess their compliance with relevant statutes, codes and standards
- Understanding of the nature and function of the various parties that are involved in a construction site
- Understanding of the external factors that can impact on site organization, and efficient operation of a construction site
- Understanding of the principles of effective site planning to accommodate site clearance, construction/demolition work, materials storage, access, temporary works and services, dewatering, plant and amenities, and the efficient organisation of site activities
- Understanding of the different forms of communication and the use of information and communications technology (ICT) in the construction industry (including CAD, building information modelling, e-tendering, e-commerce and web-based project management)
- Ability to measure excavations, cutting, trimming and filling requirements on a construction site
- Understanding of the principles of effective communications within teams
- Understanding of the national and function of the various parties that are involved in a construction site
- Understanding of the external factors that can impact on site organization, and efficient operation of a construction site
- Understanding of the principles of effective site planning to accommodate site clearance, construction/demolition work, materials storage, access, temporary works and services, dewatering, plant and amenities, and the efficient organisation of site activities
- Understanding how geotechnical investigations are conducted on site
- Understanding of the survey techniques used to set out and monitor construction work
- Understanding of environmental protection requirements and waste minimisation measures relevant to construction site operations
- Ability to apply the Australian Standard Method of Measurement (ASMM) to site preparation and project preliminaries
- Ability to measure excavations, cutting, trimming and filling requirements on a construction site

**Learning Outcomes**

- Leadership and management of construction site operations on the basis that these operate as a system. The related components of construction site operations operate as subsystems. These subsystems include site information, surveying and preparation, establishment, amenities, protection, safety, management and construction sequence.

**Weekly contact**

- Site visit report/model – 30%
- Research report – 30%
- Examination: 3 hours, open book – 40%
- Report – 30%
- Case study – 30%
- Examination: 3 hours, open book – 40%
- Knowledge map – 30%
- Report – 30%
- Examination: 3 hours, open book – 40%
- Case study report – 30%
- Research report – 30%
- Examination: 3 hours, open book – 40%
### Level 1

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<thead>
<tr>
<th>Subject title</th>
<th>Total Building Performance</th>
<th>Managing a Domestic Project</th>
<th>Professional and Legal Environment</th>
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<td><strong>Code</strong></td>
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<td>MDP123</td>
<td>PLE122</td>
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<td><strong>Core/Elective</strong></td>
<td>Core</td>
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</tr>
</tbody>
</table>

| **Subject Overview** | The concept of a building as a system is maintained in this subject. The building performance system provides the occupants of the building with a comfortable environment within which to work and live. The building performance system is divided into a series of subsystems including air quality, aesthetics, and space planning. The performance of the building is reviewed in terms of financial, functional and component/element perspectives. | The practical reality of managing a live domestic construction project - the delivery of a single transportable dwelling in the context of a project-based client brief is the focus of this subject. | Many aspects of the Australian legal environment impact upon the building construction sector. The professional bodies (AIQS, AIB, and AIBS) provide a framework within which industry participants can operate effectively within the legal framework. The ethical standards that apply to the building industry are examined as part of this subject. The relationship that exists between builder and client is examined as it relates to small business, fair trading, the Building Code of Australia, and the Domestic Building Contracts Act. |

| **Learning Outcomes** | Understanding of building science principles relevant to utility, health, comfort and well-being considerations of occupants in buildings (lighting, acoustics, thermal performance, indoor air quality, sick building syndrome) | Understanding of project management techniques with emphasis on time management and various time management techniques (critical path method, Gantt charts) | Understanding of the areas and sources of law |
|                       | Understanding of ergonomics, physiological responses and human movement issues in relation to the built environment | Ability to use project management software in planning and managing a project | Understanding of the Australian legal system |
|                       | Understanding of the issues associated with access for people with disabilities and the principles of universal design | Understanding of the principles and importance of cost control and quality management | Understanding of professional codes of practice (AIB, AIBS, AIQS) |
|                       | Understanding of building performance measurement and evaluation at design and post-occupancy stages | Understanding of quality management standards (ISO 9000 series) and principles relevant to project quality management plans | Understanding of the system of codes, regulations, standards and legislation that apply to the construction industry, including licensing and consumer protection provisions |
|                       | Ability to conceptualise and evaluate total building performance as design and operational functions | Ability to undertake simple cash flow planning for a domestic building project | Understanding of the principles and tenets of contract law and the law of tort and how these are relevant to the business and practice of building |

<table>
<thead>
<tr>
<th><strong>Weekly contact</strong></th>
<th>3 hours</th>
<th>6 hours</th>
<th>3 hours</th>
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<td>Analysis assignment – 30%</td>
<td>Construction management plan assignment – 30%</td>
<td>Research report – 30%</td>
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<tr>
<td></td>
<td>Research report – 30%</td>
<td>Simulated building gaming exercise – 30%</td>
<td>Concept map/report – 30%</td>
</tr>
<tr>
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<td>Examination: 3 hours, open book – 40%</td>
<td>Examination: 3 hours, open book – 40%</td>
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<table>
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<tr>
<th><strong>Prerequisites</strong></th>
<th>ADB110 Anatomy of a Domestic Building</th>
<th>CS0111 Construction Site Operations</th>
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Bachelor of Facilities Management

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# Bachelor of Facilities Management

## Level 2

<table>
<thead>
<tr>
<th>Subject title</th>
<th>Measurement and Estimating</th>
<th>Managing Multiple Projects</th>
<th>Business Management for the Construction Industry</th>
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<tbody>
<tr>
<td>Code</td>
<td>ATB230</td>
<td>CEC231</td>
<td>MMP231</td>
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<td>Core/Elective</td>
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<td>Core</td>
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### Subject Overview

<table>
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<tr>
<th>The concept of a tall building as a series of interlocking subsystems is the focus of this subject. Tall buildings are very different from low/medium rise buildings in terms of structural performance and erection techniques. The subsystems are examined as the construction progresses from sub-structure through to super-structure including services, components, construction methods, techniques, plant and equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>This subject introduces the techniques used by quantity surveyors and builders to measure and cost building works, and how to undertake cost planning and bid preparation. It also provides a contextual understanding of the importance of the construction industry to the national economy and the macro and micro economic concepts that influence the activities and impacts of the sector.</td>
</tr>
<tr>
<td>Construction managers are responsible for the management of a number of concurrent projects within one or more sites. The basic project management techniques for single projects assume a significantly higher level of complexity when a number of concurrent projects, often at different stages, need to be managed and optimised within limited resources. The issue of quality management also becomes critical in the context of managing volume building activities. This subject provides the opportunity for students to apply existing and new knowledge and skills in the context of managing multiple projects concurrently.</td>
</tr>
<tr>
<td>The business environment is integral to the building industry. Efficient and effective management of both small and large building business is important to success in the industry.</td>
</tr>
</tbody>
</table>

### Learning Outcomes

1. Understanding of structural forces that act on tall buildings and the design principles that address these, including sub-structures and super-structures
2. Understanding of foundation systems applicable to tall building construction
3. Understanding of major excavation, stabilisation and dewatering techniques used in the construction of basement levels of tall buildings
4. Understanding of building services design and installation in tall buildings
5. Understanding of environmental and social issues relevant to tall building construction
6. Understanding of the common structural systems, materials, construction methods, techniques, plant and equipment used for the construction of tall buildings
7. Understanding of the roles of quantity surveyors/cost engineers in the construction industry
8. Understanding of the principles and logic of the Australian Standard Method of Measurement (ASMM)
9. Understanding of cost planning principles
10. Ability to prepare a simple bill of quantities
11. Ability to prepare builder’s estimates for a project
12. Understanding of bidding and tendering principles
13. Understanding of macroeconomic concepts as they apply to the construction industry
14. Understanding of microeconomic concepts as they apply to the construction industry
15. Understanding of the application of project management techniques to multiple concurrent construction projects
16. Ability to implement time management techniques to multiple construction projects
17. Ability to formulate and implement site cost control measures to multiple construction projects
18. Ability to apply manual and computer software applications in the preparation of construction project schedules, resource planning, cost planning and management
19. Understanding of total quality management principles and quality management processes during construction
20. Understanding of financial terms and concepts, accounting principles and practices relating to the construction industry
21. Ability to read and interpret financial statements
22. Understanding of financing, cash flow budgeting and management in a project context
23. Understanding of returns on investment concepts and techniques, including discounted cash flow and internal rate of return
24. Understanding of taxation fundamentals as they apply to business and the construction industry
25. Understanding of human resource management and ethical practices in business
26. Ability to prepare a business plan for a small to medium size building business

### Weekly contact

<table>
<thead>
<tr>
<th>3 hours</th>
<th>3 hours</th>
<th>3 hours</th>
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<td>TOTAL HOURS</td>
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### Assessment (%)

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<tr>
<th>Report 1 – 30%</th>
<th>Assignment 1: Measurement exercise – 30%</th>
<th>Assignment 1: Strategic and quality management plans – 30%</th>
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<td>Examination: 3 hours, open book – 40%</td>
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</table>
# Bachelor of Facilities Management

## Level 2

<table>
<thead>
<tr>
<th>Subject title</th>
<th>Building Maintenance and Refurbishment</th>
<th>Health and Safety in Building</th>
<th>Community and Industrial Relations</th>
<th>Construction Law</th>
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<td><strong>Credit Points</strong></td>
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<td><strong>Core/Elective</strong></td>
<td>Core</td>
<td>Core</td>
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### Subject Overview

| Effective building maintenance and timely refurbishment of commercial buildings are important to achieving the full benefit of the life of a building. The impact of building codes and regulations (including BCA, AS) is considered. Maintenance scheduling and its impact on building usage are important to effective operation of buildings. The implications of maintenance and refurbishment on heritage buildings are also considered. Health and safety are important factors in successful construction projects. Legislation reinforces the importance of these factors to the industry and its workforce. Risk minimisation is essential to effective health and safety implementation. Building construction is an activity that involves many stakeholders, including employees, sub-contractors and the community. Effective management of relationships with these stakeholders and dispute resolution is crucial to successful construction projects. Australian industrial relations have a strong history of conciliation and arbitration as the basis for their processes. Industrial relations, human resource management, community consultation and dispute resolution are key issues for managers in construction activities. This subject further exposes students to the theory and practice of law as it applies to business and the construction industry. Contract law and the use of standard forms of construction contracts are integral to the functioning of the industry. Property law also forms an important component in the legislative framework within which the industry operates. Professional practice and ethical behaviour is linked to the legislative framework. |

### Learning outcomes

- Understanding of the range, scope and principles of legislation relating to activities in the construction industry, including planning, development, building, licensing, property, consumer protection, environmental protection, contracts, disputes, business and public liability issues, and understand how these are effected through primary and secondary legislation.
- Understanding of contract law as it applies to the construction industry, including the implications of proportionate liability.
- Understanding of standard and non-standard forms of contract and their application within the industry.
- Understanding of the legal requirements governing builder licensing and the professional standards for practitioners in the building industry.
- Understanding of the implications of professional liability legislation.
- Understanding of the (Australian) industrial relations system, its key elements and issues in relation to the construction industry.
- Understanding of (Australian) law in relation to industrial relations and employee management.
- Ability to apply relevant principles of industrial relations and human resource management to management.
- Understanding the changing trends in industrial law and trade union functions relevant to the construction industry.
- Understanding the appropriate strategies for effective community consultation and dispute resolution.
- Awareness of the role of Job Safety Analysis (JSA) in construction projects.
- Understanding of the process of hazard identification and risk analysis in achieving OHS objectives.
- Ability to undertake a condition survey of an existing building, identify the causes of building defects and plan remediation requirements.
- Understanding of the technical, OHS and operational considerations in managing maintenance and refurbishment work.
- Ability to formulate a maintenance plan for a simple commercial building.
- Ability to formulate a maintenance plan for an operational commercial building.
- Understanding of Occupational Health and Safety (OHS) principles and practices in the construction industry.
- Understanding of the role of the Job Safety Analysis (JSA).
- Understanding of the legislative issues related to OHS and the parties involved.
- Ability to conduct a safety audit and identify mandatory and recommended OHS measures on construction sites.
- Ability to formulate a refurbishment plan for an existing building. Identify the causes of building defects and plan remediation requirements.
- Understanding of the changing trends in industrial law and trade union functions relevant to the construction industry.
- Understanding the appropriate strategies for effective community consultation and dispute resolution.
- Identification of hazardous materials commonly used in the construction industry and protective measures to be undertaken.
- Understanding of the process of hazard identification and risk analysis in achieving OHS objectives.
- Ability to formulate a condition survey of an existing building and identify the causes of building defects and plan remediation requirements.
- Understanding of Occupational Health and Safety (OHS) principles and practices in the construction industry.
- Understanding of the process of hazard identification and risk analysis in achieving OHS objectives.
- Ability to conduct a safety audit and identify mandatory and recommended OHS measures on construction sites.
- Understanding of the legislative issues related to OHS and the parties involved.
- Understanding of the role of the Job Safety Analysis (JSA).

### Weekly contact

<table>
<thead>
<tr>
<th>Weekly contact</th>
<th>3 hours</th>
<th>3 hours</th>
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<tr>
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<td>Report 2 – 30%</td>
<td>Research Report – 30%</td>
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### Level 3

<table>
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<th>Subject title</th>
<th>Medium Density Sub-division and Development</th>
<th>Sustainable Housing Development</th>
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#### Subject Overview

The three streams of the project are drawn together in this subject and applied in a project based approach to a medium density sub-division. The topics covered include financial management, land and housing development processes, environmental and social impact studies, risk analysis, risk management, market research, management, community and industrial relations. These topics are applied to a real life and/or hypothetical medium density sub-division.

“Think Global, Act Local”. This subject provides students with the opportunity to apply their understanding of global environmental issues and the principles of ecologically sustainable development to a large scale housing development. Emphasis is placed on independent research, a self-developed project plan and the application of existing and new knowledge and skills.

#### Learning Outcomes

- Understanding of the land and housing development process as it applies to medium density developments
- Ability to apply financial management principles and techniques to construction projects
- Understanding of environmental and social impact studies to medium density developments
- Understanding of risk analysis and risk management techniques to medium density developments
- Ability to undertake market research and analyse research data
- Understanding of business management considerations when undertaking a medium density development
- Understanding of community and industrial relations principles and practices
- Understanding of the evolving environmental debate as it applies to housing development, the concept of ‘sustainability’ and its relation to the built environment
- Ability to apply the principles of ecologically sustainable development to a hypothetical large-scale housing development
- Understanding of the implications of sustainability principles in construction projects
- Understanding of the range of assessment instruments that can be used in the planning and monitoring of sustainable housing projects
- Understanding of legislative requirements for undertaking sustainable housing development
- Understanding of the implications of sustainability principles in construction projects
- Understanding of the range of assessment instruments that can be used in the planning and monitoring of sustainable housing projects
- Understanding of legislative requirements for undertaking sustainable housing development

#### Weekly contact

- 6 hours
- 6 hours

#### Assessment (%)

- Project statement – 30%
- Final report – 50%
- Seminar presentation – 20%
- Project statement/Interim project report – 30%
- Final project report – 50%
- Seminar presentation – 20%
### Level 3

<table>
<thead>
<tr>
<th>Subject title</th>
<th>High Rise Development and Procurement Methods</th>
<th>Large Scale Mixed-Use Sustainable Development</th>
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<td>LSD363</td>
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**Subject Overview**

This subject provides students with the opportunity to apply existing and new knowledge and skills to the management of the development and procurement of a hypothetical high rise building. Different procurement approaches used in contemporary practice are examined and evaluated.

A project based approach is used to study a large-scale, mixed-use, sustainable building development. The student will examine a range of issues including macroeconomics, environmental economics and large-scale economic investment, social and cultural diversity issues, cost benefit analysis and large-scale economic investments, risk analysis and management as they relate to large-scale mixed-use sustainable development.

**Learning Outcomes**

- Understanding of traditional and non-traditional construction procurement methods
- Understanding of risk management principles and practices as they apply to high-rise development
- Understanding of effective contract management and temporary project team issues in procurement processes
- Ability to plan temporary structure systems for high-rise developments
- Ability to organise construction sites to promote efficient operations in high rise construction in built up areas
- Ability to apply the understanding of macroeconomics, environmental economics to large-scale economic investments
- Understanding social and cultural diversity issues in making construction investment decisions
- Ability to apply cost benefit analysis techniques used in large-scale economic investments
- Understanding of risk analysis and risk management techniques used in large-scale projects
- Understanding of the provision of infrastructure and worksite development for large-scale projects
- Understanding of business management factors that apply when undertaking a large-scale project
- Ability to undertake a feasibility assessment and present recommendations for a large scale development
- Ability to undertake a feasibility assessment and present recommendations for a large scale development

**Weekly contact**

<table>
<thead>
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<tr>
<td>Assessment (%)</td>
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<td>Final project report – 50%</td>
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<td>Seminar presentation – 20%</td>
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<tr>
<td>Project statement/Interim report – 30%</td>
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<td>Final report – 50%</td>
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<td>Seminar presentation – 20%</td>
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</table>
Bachelor of Facilities Management

### Level 4

<table>
<thead>
<tr>
<th>Subject title</th>
<th>The Facilities Management Concept</th>
<th>Facility Life Cycle Performance</th>
<th>Intelligent Services and Space Usage</th>
<th>Procurement Management</th>
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**Subject Overview**

In this subject, students study the origins, scope and trends in the evolution of facilities management as a foundation for further studies in the discipline. They will develop an understanding of the concept of strategic facilities management and be able to analyse the strategic context of an organization with respect to its objectives and environment and develop a strategic FM plan.

In this subject, students develop an overall life-cycle perspective of the factors and components that impact on facility performance and learn to apply specific tools and techniques, including post-occupancy evaluation, life-cycle analysis, maintenance management, to monitor and improve performance, and facilitate operational and capital budgeting, refurbishment and upgrading.

This subject focuses on the core facilities management functions of space and building management. At the operational level, space management requires a systematic approach to needs analysis and decision making, including optimisation modelling, cost-benefit analysis and other relevant techniques. As well as dealing with building management including the management of hard (operation of plant and equipment) and soft (ancillary services such as cleaning and contractor management) building services.

This subject focuses on the application of cost-benefit analysis in situations of certainty and uncertainty, at operational and strategic levels to evaluate procurement options and the integration of procurement activities into organisational quality management and FM information systems, and the strategic implications of procurement management on organisational strategies are also considered.

**Learning Outcomes**

- Understand the origins of the concept of facilities management
- Understand and apply the concept of strategic facilities management
- Understand corporate property management principles and develop appropriate strategies to meet business objectives
- Identify and evaluate the facilities management needs of an organisation with respect to workplace change and improvement
- Critically analyse the strategic context of an organisation and relate this to facilities management issues
- Develop a strategic facilities management plan for an organisation

- Understand the concept of facility life cycle performance
- Identify the factors and components that contribute to the life cycle performance of a facility and analyse the interrelationships between them
- Understand the life cycle performance characteristics of building components, finishes and equipment to be able to plan appropriate maintenance and replacement interventions
- Understand the use of life cycle analysis and planning to make maintenance and capital decisions
- Prepare maintenance, capital replacement and refurbishment plans to maintain optimal facility performance
- Identify appropriate information on capital and maintenance items for the preparation of operational and capital budgets and tax depreciation schedules
- Evaluate the on-going performance of a facility and its components in accordance with key performance indicators for efficiency, effectiveness and stakeholder satisfaction
- Understand the concept of post-occupancy evaluation and apply the principles to establishing a framework to evaluate facility life cycle performance
- Understand the importance of space as a driver of organisational costs and performance
- Understand the concept of virtual space and its potential in facilities management
- Understand and apply the principles of space and portfolio management to address the operational and strategic objectives of organisations
- Analyse the spatial requirements of organisational functions and plan efficient and effective space use strategies
- Understand the range of operating services relevant to the provision of accommodation including maintenance, cleaning, energy, water and sewerage, waste management, communications, security, environmental management
- Awareness of the range, functions and applications of intelligent technologies that underpin building management systems (BMS), building energy management systems (BEMS), integrated, flexible and intelligent services, computer-aided facilities management (CAFM), and computerised maintenance management systems (CMMS)
- Formulate strategic and operational plans encompassing intelligent services and space usage to improve organisational performance
- Understand the principles of supply chain, logistics and just-in-time (JIT) management applied to the procurement function in facilities management
- Understand the principles of different procurement options to meet facilities management requirements including development, purchasing, leasing, service agreements/outourcing
- Analyse procurement needs and options, and formulate procurement strategies for facilities management functions that optimise organisational performance
- Understand and apply the principles of contract management to manage the procurement of goods, services and facilities
- Integrate the management of leasing, service and purchasing contracts into facilities management information and quality management systems
- Awareness of the principles and requirements of electronic procurement and to identify implications for procurement management practices
- Apply procurement management principles to strategic facilities management

**Weekly contact**

- Research report – 30%
- Case study – 30%
- Examination: 6 hours, open book, take home – 40%

**Assessment (%)**

- Research report – 30%
- Case study – 30%
- Examination: 3 hours, open book – 40%

- Research report – 30%
- Case study – 30%
- Examination: 3 hours, open book – 40%

- Research report – 30%
- Case study – 30%
- Examination: 3 hours, open book – 40%
## Level 4

<table>
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<tr>
<th>Subject title</th>
<th>Facilities Management Information Management</th>
<th>Risk Management in Facilities Management</th>
<th>Any level 4 subject in other Built Environment degrees offered by Holmesglen</th>
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<tr>
<td>Code</td>
<td>BFM405</td>
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<td>Teaching Period</td>
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<td>Core/Elective</td>
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### Subject Overview

- **BFM405**: This subject focuses on applying concepts of value, quality and environment management to improving facility performance at both the operational and strategic levels. Students will apply their learning to the analysis of a case study project and formulate appropriate strategies for continual improvement of facility performance, particularly in relation to energy efficiency, health and safety, comfort and utility, environmental sustainability, environmental management and productive effectiveness and efficiency.

- **BFM406**: In this subject students learn and apply principles of information management to facilities management, including identification, mining and management of sources of data, and using a structured approach to conducting FM audits as part of FM information management. Throughout this subject students are also able to extract and analyse relevant data for the preparation of ad-hoc and regular reports, for establishing key performance indicators and benchmarking.

- **BFM407**: The steps in a generic risk management process include establishing the context, identifying the risks, assessing the risks and developing strategies to treat the risks through risk avoidance, reduction, retention or transfer. The subject covers these principles in the context of the professional practice of facilities management.

### Learning Outcomes

- **Understand the principles of value management applied to improving facility performance**
- **Understand the principles of environmental management (ISO AS/NZS 14000) applicable to strategic and operational facilities management**
- **Perform strategic analyses to identify key areas of facility performance improvement that can underpin organisational strategic planning in a given context**
- **Formulate change management strategies from a facilities management perspective to implement policies for improving facility and organisational performance**
- **Analyse facility performance and formulate strategies to improve facility performance in terms of energy performance, water usage, health and safety, comfort and utility, environmental sustainability, productivity**
- **Implement compliance programs relevant to improving facility performance (energy efficiency opportunities program, environmental resource efficiency plans)**
- **Develop relevant key performance indicators to monitor facility performance and improvements**

- **Understand the principles of organisational information management for strategic and operational facilities management applications**
- **Identify sources of facilities management data and organise these in operational databases**
- **Design and perform facilities management audits, including energy, water, waste and carbon emissions audits**
- **Analyse and apply facilities management data to generate routine and ad-hoc reports to support facilities management and organisational functions and improve organisational performance**
- **Understand the concepts and mechanisms of energy and carbon accounting**
- **Formulate and apply key performance indicators to evaluate and benchmark facilities management performance, and organisational performance impacted by facilities management functions**
- **Implement best practice for facilities management information management in an organisation**

- **Understand and apply principles of risk management to the operational management of facilities**
- **Understand and apply principles of risk management to strategic management and strategic facilities management**
- **Understand the professional risks and responsibilities associated with the practice of facilities management**
- **Apply relevant codes of ethics and rules of conduct to the professional practice of facilities management**

### Weekly contact

- **3 hours**

### Assessment (%)

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<th>Framework for facilities management information system – 30%</th>
<th>Research report – 30%</th>
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