Definitions

**Ar230** For the purpose of these regulations and the syllabuses for the degree of Bachelor of Science in Surveying, unless the context otherwise requires:

‘Elective’ means any course offered within the same or another curriculum, other than compulsory courses in the Bachelor of Science in Surveying that can be taken by the candidate in order to complete the credit requirements of the degree.

Admission to the degree of Bachelor of Science in Surveying

**Ar231** To be eligible for admission to the degree of Bachelor of Science in Surveying, a candidate shall:

(a) comply with the General Regulations;
(b) comply with the Regulations for First Degree Curricula; and
(c) complete the curriculum and satisfy the examiners in accordance with the regulations and syllabuses set out below.

Period of study

**Ar232** The curriculum for the Bachelor of Science in Surveying shall normally require six semesters of full-time study, extending over not fewer than three academic years and shall include any assessment to be held during and/or at the end of each semester. Candidates shall not in any case be permitted to extend their studies beyond the maximum period of registration of five academic years.

Selection of courses

**Ar233** Candidates shall select their courses in accordance with these regulations and the guidelines as specified in the syllabuses before the beginning of each semester. Such selection shall be subject to the approval of the Head of the Department of Real Estate and Construction.

**Ar234** Changes to the selection of courses may be made during the first two weeks of each
semester subject to the approval of the Head of the Department of Real Estate and Construction, and such changes shall not be reflected in the transcript. Requests for changes after the first two weeks of a semester shall normally be not considered, except with the approval of the Board of the Faculty, and candidates withdrawing from any course without permission shall be given an F grade.

**Ar235** Candidates shall not be permitted to select other courses for which a failed course forms a prerequisite unless permission is given by the department for the candidates to be reassessed in the failed course and for them to satisfy the examiners in this.

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**Curriculum requirements**

**Ar236** To complete the curriculum a candidate shall:

(a) satisfy the requirements prescribed in UG5 of the Regulations for First Degree Curricula;

(b) enrol in courses of a total of 180 credits, comprising 153 credits in core courses, 6 credits of electives, 6 credits in English language enhancement, 3 credits in Chinese language enhancement and 12 credits in Common Core courses;

(c) follow instruction in the courses as prescribed under these regulations and complete satisfactorily all coursework requirements set as tests or as parts of any assessment and practical work, maybe outside Hong Kong, to be undertaken as an integral part of the degree of BSc(Surv); and

(d) satisfy the examiners in the assessment of the courses in the manner specified in the regulations and syllabuses.

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**Ar237 Progression in curriculum**

(a) Candidates shall normally be required to take not fewer than 24 credits nor more than 30 credits in any one semester (except the summer semester) unless otherwise permitted or required by the Board of the Faculty, or except in the last semester of study when candidates may be required to take fewer than 24 credits to satisfy the outstanding curriculum requirements.

(b) Candidates may, of their own volition, take additional credits not exceeding 6 credits in each semester, and/or further credits during the summer semester, accumulating up to a maximum of 72 credits in one academic year. With the special permission of the Board of the Faculty, candidates may exceed the annual study load of 72 credits in a given academic year provided that the total number of credits taken does not exceed 216 credits, save as provided for under Ar237(c).

(c) Where candidates are required to make up for failed credits, the Board of the Faculty may give permission for candidates to exceed the annual study load of 72 credits provided that the total number of credits taken does not exceed 360 credits.
(d) Candidates may, with the approval of the Board of the Faculty, transfer credits for courses completed at other institutions at any time during their candidature. The number of transferred credits may be recorded in the transcript of the candidate, but the results of courses completed at other institutions shall not be included in the calculation of the GPA. The number of credits to be transferred shall not exceed half of the total credits normally required under the degree curricula of the candidates during their candidature at the University.

(e) Unless otherwise permitted by the Board of the Faculty, candidates shall be required to discontinue their studies if they have:

(i) failed to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where they are not required to take such number of credits in the given two semesters, or
(ii) failed to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters, or
(iii) exceeded the maximum period of registration specified in the regulations of the degree.

(f) Candidates may be required by the Board of Examiners to take a reduced study load if their academic progression is unsatisfactory.

Assessment

Ar238 Candidates shall be assessed for each of the courses which they have registered for, and assessment may be conducted in any one or any combination of the following manners: written examinations or tests, written assignments or exercises, continuous assessment of performance, laboratory work, field work, research or project reports, or any other manner as determined by the examiners. Grades shall be awarded in accordance with UG8(a) of the Regulations for First Degree Curricula.

Ar239 Candidates who are unable, because of illness, to be present at the written examination of any course may apply for permission to present themselves at a supplementary examination of the same course to be held before the beginning of the First Semester of the following academic year. Any such application shall be made on the form prescribed within two weeks of the first day of the candidate’s absence from any examination. Any supplementary examination shall be part of that academic year’s examinations, and the provisions made in the regulations for failure at the first attempt shall apply accordingly.

Ar240 Candidates shall not be permitted to repeat a course for which they have received a D grade or above for the purpose of upgrading.

Ar241 Failure in Assessment
(a) Candidates are required to make up for failed courses in the following manner as prescribed by the Board of Examiners:

(i) undergoing re-assessment/re-examination in the failed course to be held no later than the beginning of the first semester of the following academic year (not including the summer semester); or
(ii) re-submitting failed coursework, without having to repeat the same course of instruction in the summer semester; or
(iii) repeating the failed course(s) by undergoing instruction and satisfying the assessments; or
(iv) taking another course in lieu of a failed elective course, and satisfying the assessment requirements.

(b) Where candidates are permitted or required to present themselves for re-assessment/ re-examination/ assessment in an alternative course, the new grade obtained together with the previous F grade shall be recorded on the transcript and will be included in the calculation of the semester GPA, the year GPA and the cumulative GPA.

(c) The maximum number of attempts for a particular course or requirement is three.

Degree classification

Ar242 A pass list of candidates awarded the degree of Bachelor of Science in Surveying will be published in five divisions as follows: First Class Honours, Second Class Honours (Division I), Second Class Honours (Division II), Third Class Honours and Pass. The classification of honours shall be determined by the Board of the Faculty at its full discretion by taking into account the overall performance of the candidates and other relevant factors as appropriate.
Students entering the 3-Year Bachelor of Science in Surveying curriculum in the academic year 2011-12 will take 153 credits of courses, plus a total of 21 credits in language and Common Core courses, and 6 credits of electives, totalling 180 credits for the 3-year curriculum.

The Surveying curriculum has four course categories which are taught using distinct learning modes.

Most courses are 6 credit courses, with the exception of a Dissertation which is 15 credits. The majority of the Management, Law and Economics courses, and Construction courses are offered in two parts, with Part I offered in the first semester and Part II offered in the second semester of a single academic year. This split is designed to allow for knowledge and skills learnt in each course to be related directly to concurrent project work in the studio courses, to allow a more specific and structured approach to student learning.

The syllabus of the Bachelor of Science in Surveying shall comprise the following requirements:

First Year of Study

[First semester courses]
- Surveying Studio 1 (6 credits)
- Building Technology 1 (6 credits)
- Introduction to Law and Contract (6 credits)
- Land Economics (6 credits)
- Chinese Language Enhancement course (3 credits)
- English Language Enhancement course (3 credits)

[Second semester courses]
- Surveying Studio 2 (6 credits)
- Planning and Development (6 credits)
- Building Services for Health and Safety (6 credits)
- Advanced Structures and Construction for Surveyors (6 credits)
- English Language Enhancement course (3 credits)
- Common Core course (6 credits)

Second Year of Study
First semester courses
- Surveying Studio 3 (6 credits)
- Land Law and Conveyancing Law (6 credits)
- Real Estate and Construction Management Theory (6 credits)
- Economics of Property Rights (6 credits)
- Environmental Science in Buildings (6 credits)

Second semester courses
- Surveying Studio 4 (6 credits)
- Research Methods (6 credits)
- Cities and Urban Development (6 credits)
- Elective (6 credits)
- Common Core course (6 credits)

Final Year of study
[Full year course]
- Dissertation (15 credits)

First semester courses
- Surveying Studio 5 (6 credits)
- Real Estate and Facility Management Practice (6 credits)
- Real Estate Investment and Finance (6 credits)
- Real Estate Investment Law (6 credits)

Second semester courses
- Advanced Valuation (6 credits)
- Real Estate and Construction Management Practice (6 credits)
- Development Control and Alternative Disputes Resolution (6 credits)

21 credits of compulsory University requirements which must be completed successfully:

| (i) Two 3-credit courses in English language enhancement; and one 3-credit course in Chinese language enhancement | 9 credits |

1 Putonghua-speaking students should take CUND0002 or CUND0003. Students who have not studied Chinese language during their secondary education / who have not attained the requisite level of competence in the Chinese language to take CREA1001 can apply (i) to take credit-bearing Cantonese or Putonghua language courses offered by the School of Chinese especially for international and exchange students; OR (ii) to be exempted from the Chinese language requirement and take an elective course in lieu.
(ii) Two 6-credit courses in the Common Core Curriculum with not more than one course from one Area of Inquiry | 12 credits

1. **Studio courses** (6 credits, approximately 120 hours of student learning activities is required for each course, including 54-72 contact hours for weekly studio meetings)

   These courses engage students, under staff guidance and supervision, in addressing the core and related issues essential to the training of a professional surveyor. The studio projects require students to apply and integrate the theories and knowledge learned in concurrent courses of management, law, economics, and construction. Assessment is 100% by continuous coursework assessment: i.e. writing reports and presentations (up to 5,000 words).

   **Studio courses (6 credits)**
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECO1012</td>
<td>Surveying studio 1</td>
</tr>
<tr>
<td>RECO1013</td>
<td>Surveying studio 2 (pre-requisite: Survey Studio 1)</td>
</tr>
<tr>
<td>RECO2013</td>
<td>Surveying studio 3 (pre-requisite: Survey Studio 2)</td>
</tr>
<tr>
<td>RECO2014</td>
<td>Surveying studio 4 (pre-requisite: Survey Studio 3)</td>
</tr>
<tr>
<td>RECO3017</td>
<td>Surveying studio 5 (pre-requisite: Survey Studio 4)</td>
</tr>
</tbody>
</table>

2. **Management, law and economics courses** (6 credits)

   A typical 6 credit course in land and construction management, law and economics includes 36 to 48 hours of lectures and seminars or tutorials. Around 80 hours of independent study is expected. Continuous assessment is by coursework (essays or reports: up to 3,000 words approximately) (20%) and a 3-hour written examination (80%).

   **Management courses (6 credits)**
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECO1015</td>
<td>Planning and development</td>
</tr>
<tr>
<td>RECO2021</td>
<td>Cities and Urban Development</td>
</tr>
<tr>
<td>RECO2017</td>
<td>Real estate and construction management theory</td>
</tr>
<tr>
<td>RECO3024</td>
<td>Real estate and facility management practice (pre-requisite: Real estate and construction management theory)</td>
</tr>
<tr>
<td>RECO3023</td>
<td>Real estate and construction management practice (pre-requisite: Real estate and construction management theory)</td>
</tr>
</tbody>
</table>

   **Law courses (6 credits)**
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECO1011</td>
<td>Introduction to law and contract</td>
</tr>
<tr>
<td>RECO2012</td>
<td>Land law and conveyancing law</td>
</tr>
</tbody>
</table>
Economics courses (6 credits)

RECO1014  Land economics
RECO2015  Economics of property rights
RECO3021  Real estate investment and finance (pre-requisite: Land Economics)
RECO3022  Advanced valuation (pre-requisite: Land Economics)

3.  Construction courses (6 credits)

A typical 6 credit course in construction includes 36 to 48 hours of lectures, seminars, tutorials, and site visit. Around 80 hours of independent study is expected. Assessment is by coursework (essays or reports: up to 3,000 words approximately) (20%) and a 3-hour written examination (80%).

Construction courses (6 credits)

RECO1016  Building services for health and safety
ARCH1019  Building technology 1
RECO2016  Environmental science in buildings
RECO1017  Advanced structures and construction for surveyors (pre-requisite: Building technology 1)

4.  Research courses (6 credits, approximately 120 – 150 hours of student learning activities is required for each course)

6-credit courses in Research Methods – This course introduces the scientific methodology in research, preparing students for their dissertations. It includes up to 24 hours of lectures, seminars, and tutorials; and a dissertation proposal (up to 2,000 words). Assessment is 30% by presentation, and 70% the final dissertation proposal. An addition of 30 hours of independent studies is expected of the student.

One 15-credit course in Dissertation – A dissertation (10,000 words+) is a detailed discourse requiring original research. Up to 24 contact hours and 270 hours of independent study is expected of the student. Assessment is 100% by the final dissertation submitted.

Research Courses (6-15 credits)

RECO2020  Research methods
RECO3018  Dissertation (Pre-requisite: Research Methods)
Elective courses

Students can choose to take courses offered within or outside the Faculty.

Year 1
Semester 1 Courses

RECO1012  Surveying Studio 1 (6 Credits)
This course is structured to apply and integrate the subject matter of lecture courses through case studies and projects. This semester is devoted to developing an appreciation and understanding of the land conversion process, including the roles of stakeholders involved, factors affecting property choices, and institutional constraints governing land uses and development.

Assessment: 100% continuous coursework assessment

ARCH1019  Building Technology 1 (6 credits)
This course addresses the fundamental issues and elements of environmental science and engineering integrated into architecture. It aims to develop an understanding of the broad spectrum of technologies and materials available to the architect as well as provide basic insight into the science that underpins them. The basic principles of science and engineering within the context of architecture and the design process will be discussed, through lectures, site visits, case studies.

Assessment is by a combination of continuous coursework assessment (40%-100%) and examination (0%- 60%).

RECO1011  Introduction to Law and Contract (6 Credits)
Legal framework of the HKSAR - the Basic Law and the HKSAR legal system; Elements of the law of contract; Construction contracts – standard forms; Discharging and enforcing contracts.

Assessment: 20% continuous coursework assessment and 80% examination

RECO1014  Land Economics (6 Credits)
Location, trade and economic growth; the concept of rent and economic rent; producers’ location decisions; urban land markets; economic regions; land as a natural resource; money and interest theory; timing problems in the land conversion process; renovation and redevelopment cycles; land stock control; government land and housing policies; social costs and land rent dissipation.

Assessment: 20% continuous coursework assessment and 80% examination

CAES1103 Communication skills for Real Estate Students (3 credits)
This course aims to help students to respond effectively to the demands on their communication skills made by the Surveying Studio tasks. Outcomes include giving well-organised presentations and using effective writing strategies through project team-work. Students are also
encouraged to expand and consolidate their linguistic competence, both in basic language skills as well as in the vocabulary related to their discipline.

Assessment: 100% continuous coursework assessment

**CREA1001 Practical Chinese language course for Real Estate and Construction students**

建築學院 (房地產及建設系) 實用中文課程 (3 credits)

As a compulsory subject for students of Architecture, Chinese Language for Architecture (CARC) is different from the general Chinese training. The course comprehensively focuses on wide-ranging practical writing training, communication skills enhancement as well as the cultivation of literature sensibility and aesthetic quality.

The course pattern will be in the form of traditional lecture and tutorials plus various field trips, workshops and other learning experiences.

1. 通盤訓練學員綜合語文能力，並扣連本科專業知識，培養融通能力。
   Comprehensive training of overall language skill including oral communication, grammar, practical writing and Chinese characters

2. 強化學生口語傳意、語法基礎、應用寫作及漢字流變的知識，深化學生的基礎學養，亦厚化其論辯思維。
   Nurture the ability of critical thinking, creative writing and debate in Chinese.

3. 重視美感陶鑄，課程加入文學欣賞、書法美學。
   Enhance the appreciation of Chinese literature and calligraphy aesthetics.

Assessment: 50% continuous coursework assessment and 50% examination

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**Year 1**
**Semester 2 Courses**

**RECO1013 Surveying Studio 2 (6 Credits)**
This course is structured to apply and integrate the subject matter of lecture courses through case studies and projects. This semester is devoted to further developing an appreciation and understanding of the issues and constraints faced by real estate developers in the land conversion process, including but not limited to site selection, optimization of land use and building design, and sales and marketing of real estate projects.

Assessment: 100% continuous coursework assessment

Prerequisite: RECO1012 Surveying Studio 1

**RECO1015   Planning and Development (6 credits)**
This course addresses the planning and development issues related to land and construction management in Hong Kong. It covers general aspects of the land and property development process; housing market analysis; the real estate cycle; market analysis; urban land policy analysis; the land tenure system; land supply and urban land policy; development appraisal; development controls; post development analysis; property appraisal; change of use; end of the life cycle; redevelopment; planning, land lease and building control; application and approval procedures; development potential and parameters; the construction process; introduction to procurement, contract option, and facility management.

Assessment: 20% continuous coursework assessment and 80% examination

**RECO1016   Building Services for Health and Safety (6 credits)**
This course is designed to appraise how the design and installation of various building services systems and building components combine to help achieve the health and safety of occupants and the public at large. They include: (1) fire safety; (2) sanitation; (3) transportation; and (4) internal components.

Assessment: 20% continuous coursework assessment and 80% examination

**RECO1017   Advanced Structures and Construction for Surveyors (6 credits)**
This course provides the theoretical knowledge and concepts for the functional design and construction of complex buildings in Hong Kong. Topics cover processes and techniques for the construction of buildings, appreciation of structural systems for high-rise buildings, inspection and maintenance of buildings, performance of materials and components, sustainable construction and common civil engineering construction.

Assessment: 20% continuous coursework assessment and 80% examination

Prerequisite: ARCH1019 Building Technology 1

**CAES1106 Communication skills for Real Estate Students (2) (3 credits)**
This English-in-the-Discipline course follows on from the Semester 1 communication skills course in complementing the learning outcomes and methods of the Surveying Studio program. The focus will be on raising students’ awareness of the appropriate professional discourse and
related English usage through engaging in project-based discussion and written tasks, designed to simulate the demands on surveying professionals involved in real-world decision-making scenarios.

Assessment: 100% continuous coursework assessment

**COMMON CORE COURSE (6 Credits)**

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**Year 2**  
**Semester 1 Courses**

**RECO2013 Surveying Studio 3 (6 credits)**  
In the first semester students will participate in an inter-disciplinary project, or comparable learning project. The project is designed for surveying students to form multi-disciplinary teams to work on tasks from feasibility to scheme design stage so that they could learn from each other, experience team spirit and be able to see different problems from different perspectives. Appropriate elements of China Practice may be included.

Assessment: 100% continuous coursework assessment

Prerequisite: RECO1013 Surveying Studio 2

**RECO2012 Land Law and Conveyancing Law (6 credits)**  
Land tenure in the HKSAR; co-ownership; mortgages; easements; covenants; leases; landlord and tenant; adverse possession; deed of mutual covenant and the management of multi-storey buildings; the land registration system; Conveyancing law in the HKSAR and Mainland China.

Assessment: 20% continuous coursework assessment and 80% examination

**RECO2017 Real Estate and Construction Management Theory (6 credits)**  
This module introduces management theory, project management, construction management with a particular focus on the real estate and construction context.

Assessment: 20% continuous coursework assessment and 80% examination

**RECO2015 Economics of Property Rights (6 credits)**  
Basic concepts of economic growth and development; general concepts of property rights as foundation for understanding the economy and government policies on land use; concepts of market failure in the development market and industry and their Coasian transaction cost reinterpretation in the light of sustainable development driven by innovations in property development; and neo-institutional analysis of issues in development economics applied to spatial analysis.

Assessment: 20% continuous coursework assessment and 80% examination
RECO2016  Environmental Science in Buildings (6 credits)

Assessment: 20% continuous coursework assessment and 80% examination

Year 2
Semester 2 Courses

RECO2014  Surveying Studio 4 (6 credits)
The second semester is designed to consider inter-disciplinary problem scenarios from practical real life situations that may arise from the different aspects of surveying. Appropriate elements of China Practice may be included. Design of problem scenarios is intended to provide students with an opportunity to apply what they have learnt in real life situations that arise during the planning, development, construction, marketing and maintenance stages of a project. The scenarios will be designed to require students to identify and explore inter-disciplinary problems that they need to resolve in real life situations, instead of dealing with specified problems as with assignments in other modules. For that purpose, on many occasions the problems will be deliberately ill-defined.

Assessment: 100% continuous coursework assessment

Prerequisite: RECO2013 Surveying Studio 3

RECO2021  Cities and Urban Development (6 Credits)
This course requires students to organize a 1-2 weeks study field trip themselves, to international or PRC destinations. The main objective is to analyse and explain international differences in real estate and construction institutions and practices. Desk research, preparation and organization of site visits, analyses, formal reporting and presentation are all important components.

Assessment: 100% continuous coursework assessment

RECO2020  Research Methods (6 credits)
This course introduces the scientific method in research, and prepares students for their dissertations. It aims to train students to think scientifically; and hence be able to formulate a dissertation proposal. The logic of language and the logic of science are introduced. Literature search techniques, qualitative and quantitative approaches, test of hypotheses, data analysis, and dissemination of results are also taught.
Assessment: 100% continuous coursework assessment. (30% by presentation, and 70% the final dissertation proposal.)

COMMON CORE COURSE (6 Credits)

Elective (6 credits)

Year 3

Full Year Course

RECO3018 Dissertation (15 credits)
A dissertation is a detailed discourse on a research topic in the area of real estate and construction chosen by the student, to be executed following scientific methodology principles as taught in Research Methods. It aims to train students to think scientifically, and to carry out and complete an entire research project on their own, under a dissertation supervisor. Students are expected to identify and define a problem for scientific research; substantiate the research problem, and as appropriate, propose testable hypotheses with appropriate methodology and data; collect empirical data to test the proposed hypotheses and explain the regularities in the data collected; and carry out further research to widen and deepen the analysis.

Assessment: 100% continuous coursework assessment

Prerequisite: RECO2020 Research Methods

Semester 1 Courses

RECO3017 Surveying Studio 5 (6 credits)
For this Studio programme students are required to formulate their own study area based on brief hypothetical scenarios given. Emphasis is on issues related to the broad concept of sustainability in a global context and its relation to land, real estate, construction and building development and management.

Assessment: 100% continuous coursework assessment

Prerequisite: RECO2014 Surveying Studio 4

RECO3024 Real Estate and Facility Management Practice (6 credits)
This module outlines and explains the roles of property and facility management on real estate portfolios, and explores the strategic management roles of a property and facility manager.

Assessment: 20% continuous coursework assessment and 80% examination
Prerequisite: RECO 2017 Real Estate and Construction Management Theory

**RECO3021   Real Estate Investment and Finance (6 credits)**
Interactions between space and asset markets; financial economic concepts and tools for real estate analysis; real estate valuation and investment analysis at property and business levels; leverage and mortgages; statistical modelling and forecasting; price indices and derivatives; real options and land value.

Assessment: 20% continuous coursework assessment and 80% examination

Prerequisite: RECO1014 Land Economics

**RECO3015   Real Estate Investment Law (6 credits)**
Law, government, and business; Business Associations and Entities - partnership, agency, and corporation; Regulatory framework of banking and finance; Surveyors in financial markets – roles, liabilities, and professional ethics.

Assessment: 20% continuous coursework assessment and 80% examination

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**Semester 2 Courses**

**RECO3022   Advanced Valuation (6 credits)**

Assessment: 20% continuous coursework assessment and 80% examination

Prerequisite: RECO1014 Land Economics

**RECO3023   Real Estate and Construction Management Practice (6 credits)**
This module develops further skills developed in Year 2, in terms of contract administration and construction management theory, and introduces practical and commercial issues through the medium of real life case studies and simulations. It also covers principles of professional surveying practices.

Assessment: 20% continuous coursework assessment and 80% examination

Prerequisite: RECO 2017 Real Estate and Construction Management Theory
RECO3016  Development Control and Alternative Dispute Resolution  (6 credits)
Building and planning applications and appeals; Government leases; lease terms/conditions, lease modification and relevant legislation; Land resumption and compensation; Alternative dispute resolution: primary and secondary dispute resolution; negotiation; conciliation; mediation; adjudication and arbitration; Law of arbitration.

Assessment: 20% continuous coursework assessment and 80% examination