

**REGULATIONS FOR THE DEGREE OF
BACHELOR OF ENGINEERING IN CIVIL ENGINEERING (LAW)
(BEng[CivE-Law])**

(See also General Regulations and Regulations for First Degree Curricula)

EL 1 Admission to the Degree

To be eligible for admission to the degree of Bachelor of Engineering in Civil Engineering (Law), a candidate shall

- (a) comply with the General Regulations;
 - (b) comply with the Regulations for First Degree Curricula;
 - (c) satisfy all the requirements of the curriculum in accordance with the regulations that follow and the syllabuses of the degree.
-

EL 2 Length of Study

The curriculum shall normally require eight semesters, including two summer semesters of full-time study spreading over three academic years.

EL 3 Curriculum Requirements

To complete the curriculum, a candidate shall

- (a) satisfy the requirements prescribed in UG 3 of the Regulations for the First Degree Curricula; and
 - (b) complete not less than 180 credit-units of courses, in the manner specified in the syllabuses; candidates are required to pass all core courses as specified in the syllabuses, and will have to satisfactorily complete prerequisite courses in order to enrol in a succeeding course.
-

EL 4 Candidates shall normally select not more than 36 but not less than 30 credit-units of courses in each semester (except summer semester), unless otherwise permitted or required by the Board of the Faculty. Candidates who have overloaded in preceding semesters will be allowed to reduce the load by up to the equivalent number of units they have passed in excess of the normal load in a subsequent semester without having to seek prior approval.

EL 5 Candidates shall normally complete their industrial training and some courses in the summer semesters as specified in the syllabuses.

EL 6 Candidates with unsatisfactory academic progress may be required by the Board of the Faculty to take a reduced study load.

EL 7 Selection of Courses

Candidates shall select their courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each academic year.

EL 8 Assessment and Grades

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, continuous assessment, laboratory work, field work, project reports, or in any other manner as specified in the syllabuses. Grades shall be awarded in accordance with UG 5 of the Regulations for the First Degree Curricula.

EL 9 Written examinations or tests shall normally be held at the end of each semester unless otherwise specified in the syllabuses.

EL 10 A candidate who fails in any course may be required by the Board of the Faculty to repeat the same course when it is next offered. The grades for all the attempts made will be recorded in his transcript.

EL 11 Candidates shall not be permitted to repeat a course for which they have received a grade D or above for upgrading purposes.

EL 12 A candidate will normally be recommended for discontinuation if

- (a) his/her yearly GPA is unsatisfactory for two consecutive academic years;
- (b) he/she has failed in a core course three times; or
- (c) he/she has accumulated less than half of the credits expected of a normal load for two consecutive years.

EL 13 Advanced Standing

Advanced standing may be granted to candidates in recognition of studies completed successfully elsewhere. The amount of advanced credits to be granted shall be determined by the Board of the Faculty, in accordance with the following principles:

- (a) a minimum of two years of study at this University shall be required before the candidate is considered for the award of the degree; and
- (b) a minimum of 120 credits shall be gained in this University.

Advanced credits granted shall not be included in the calculation of the cumulative GPA.

EL 14 Degree Classification

The degree of Bachelor of Engineering shall be awarded in five divisions:

First Class Honours
Second Class Honours Division One
Second Class Honours Division Two
Third Class Honours
Pass

EL 15 The classification of honours shall be determined by the Board of the Faculty at its full discretion by taking the overall performance of candidates, the best 180 credit-units passed as specified in the syllabuses of respective programmes, and other relevant factors into consideration.

CIVIL ENGINEERING (LAW)

PROGRAMME STRUCTURE

Curriculum

The curriculum comprises 195 credit-units of courses as follows:

- (a) General Engineering Courses
Students are normally required to successfully complete 24 credit-units of general engineering courses.
- (b) Core Courses – Civil Engineering
Students are required to successfully complete ALL core courses – civil engineering (84 credit-units).
- (c) Core Courses - Law
Students are required to successfully complete ALL core courses – law (24 credit-units).
- (d) Compulsory Depth Courses
Students are required to take ALL compulsory depth courses (24 credit-units).
- (e) Elective Civil Engineering (Law) Courses
Students are required to take at least 24 credit-units of elective civil engineering (law) courses.
- (f) Broadening Courses
 - 1. Students are required to successfully complete one English language course (3 credit-units) and one Chinese language course (3 credit-units).
 - 2. Students are required to successfully complete at least 6 credit-units in Humanities and Social Sciences Studies or Culture and Value Studies.
- (g) Industrial Training
Students are required to successfully complete Industrial Training (3 credit-units). The training normally takes place after their first year of study.

To be eligible for admission to the degree, a candidate shall be required to successfully complete not less than 180 credit-units from the above listed courses.

Degree Classification

The degree classification shall be based on the best 180 credit-units including the courses in (a) to (e) below:

- (a) At least 24 credit-units from General Engineering courses
 - (i) ENGG1002 Computer programming and applications; or both ENGG1013 Computer programming and applications 1A and ENGG1014 Computing programming and applications 1B; AND
 - (ii) ENGG1003 Mathematics I or both ENGG1004 Mathematics IA and ENGG1005 Mathematics IB; AND
 - (iii) ENGG1006 Engineering for sustainable development; AND
 - (iv) ENGG1010 Foundations of engineering mechanics
- (b) All core courses – civil engineering;
- (c) All core courses – law;
- (d) At least 36 credit-units from:
 - (i) compulsory depth courses AND
 - (ii) elective civil engineering (law) courses;
- (e) ECEN1602 Writing solutions to legal problems and CENG1004 Practical Chinese language course for civil engineering (law) students.

Requirement for Continuation of Study of LLB

To be eligible for admission to Bachelor of Laws (LLB), a candidate must have also taken and passed the following courses:

- LLAW1005 Law of tort I
- LLAW1006 Law of tort II
- LLAW1008 The legal system
- LLAW1009 Law and society
- LLAW1010 Legal research and writing I
- LLAW1011 Legal research and writing II
- LLAW1012 Legal research and writing III
- PHIL1005 Critical thinking and logic

An example of the programme structure is as follows:

(a) First Year

Computer programming and applications or Computer programming and applications 1A and Computer programming and applications 1B	6
Engineering drawing	6
Mathematics I or Mathematics IA and Mathematics IB	6
Environmental engineering and fluid mechanics	6
Engineering mechanics and materials	6
Industry training*	3
Theory and design of structures I	6
Engineering for sustainable development	6
Foundations of engineering mechanics	6
Practical Chinese language course for civil engineering (law) students	3
Broadening courses	6
 Total credit-units	 60

(b) Second Year

Engineering design & communication*	6
Engineering geology and rock mechanics	6
Engineering mathematics II	6
Hydraulics and hydrology	6
Principles of civil engineering management	6
Project*	12
Soil mechanics	6
Surveying	6
Theory and design of structures II	6
Writing solutions to legal problems	3
 Total credit-units	 63

(c) Third Year

Construction project management	6
Law of contract I	6
Law of contract II	6
Elective civil engineering (law) course(s)	24

Engineering hydraulics	6
Foundation engineering	6
Land law I	6
Land law II	6
Theory and design of structures III	6
Total credit-units	72

* courses to be completed in summer semester

SYLLABUSES

Candidates will be required to do the coursework in the respective courses selected. Not all courses are offered in every semester. Where two courses are described as “I and II” (12 credits-units), this means that they may either be taught separately in two semesters in the same academic year or be taught as one combined course in one semester, and may either be examined separately or at the same time.

LEVEL ONE

General Engineering Courses

ENGG1002. Computer programming and applications (6 credit-units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1003. Mathematics I (6 credit-units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1004. Mathematics IA (3 credit-units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1005. Mathematics IB (3 credit-units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1006. Engineering for sustainable development (6 credit-units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1010. Foundations of engineering mechanics (6 credit units)

For course descriptions, please refer to the General Engineering courses for details.

ENGG1013. Computer programming and applications IA (3 credit-units)

Please refer to the General Engineering courses for details.

ENGG1014. Computer programming and applications IB (3 credit-units)

Please refer to the General Engineering courses for details.

Core Courses – Civil Engineering**CIVL1003. Engineering drawing (6 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL1009. Surveying (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL1010. Theory and design of structures I (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL1012. Environmental engineering and fluid mechanics (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL1013. Engineering mechanics and materials (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

Broadening Courses**ECEN1602. Writing solutions to legal problems (3 credit-units)**

The course follows on from language input into the Legal Research and Writing I course in Year 1, Sem. 1. *Writing solutions to legal problems* dovetails closely with a substantive law course (Tort), allowing students to apply and articulate their knowledge of tort law as they frame a written response to the kinds of legal issues typically found in tutorial and examination questions. The focus is on the discourse structure of legal arguments, with attention paid to control of the grammar, vocabulary and stylistic features typical of problem solutions. Students receive substantial individual feedback on 3 problem cycles, featuring revisions of each answer. Assessment is wholly by coursework, including 2 extended pieces of writing under examination conditions at the end of the course.

CENG1004. Practical Chinese language course for civil engineering (law) students (3 credit-units)

This course is designed for students undertaking the Civil Engineering (Law) Programme. It aims to familiarize students with different scripts of Chinese characters, office documents, the rhetorical strategies in engineering articles, and the characteristics of Chinese legal language in instructions, assessments, proposals and reports. The features of target-oriented writings for the engineering and legal professions will also be explored. The ultimate objective of the course is to sharpen students' skills in presentation, communication as well as practical Chinese writing.

Broadening course(s)

6 credit-units of broadening courses in Humanities and Social Sciences Studies or Culture and Value Studies.

LEVEL TWO**Core Courses – Civil Engineering****CIVL2001. Engineering design and communication (6 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2002. Engineering geology and rock mechanics (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2003. Engineering mathematics II (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2004. Hydraulics and hydrology (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2006. Soil mechanics (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2007. Theory and design of structures II (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL2008. Principles of civil engineering management (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

Industrial Training**CIVL2005. Industrial training (3 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

LEVEL THREE**Core Course – Civil Engineering****CIVL3013. Project (12 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

Core Courses - Law**LLAW1001 and LLAW1002. Law of contract I and II (12 credit-units)**

The function of contract; formation of a valid contract; offer and acceptance; capacity; illegality; finality and completeness; intention to create legal relations; interpretation of the terms of a contract; misrepresentation; mistake; duress and undue influence; privity; performance; discharge and breach; quasi-contract; remedies; principles of agency.

LLAW2013 and LLAW2014. Land law I and II (12 credit-units)

Introduction: concept of a proprietary interest; what is property law; classification of property; the nature of a trust.

Ownership, title and possession: legal ownership; title; leasehold estates in Hong Kong; ownership and possession; tenure and estates; equitable interests; possession-recovery and protection of possession; adverse possession and possessory title.

Priority: doctrine of notice; statutory intervention (e.g. land registration); subrogation.

Creation and transfer of proprietary interests in land: creation; assignment; intervention of equity (e.g. *Walsh v Lonsdale*, part performance, estoppel, constructive and resulting trusts).

Future interests: remainders and reversions: trusts for sale; vested and contingent interest; rules against inalienability.

Concurrent interests: joint tenancy and tenancy in common; ownership in multi-storey buildings; severance; termination.

Leases: nature of leases; relationship of landlord and tenant; termination; statutory intervention.

Easements: nature; creation and determination.

Licences: revocability; enforceability.

Covenants: between landlord and tenant; between adjoining and co-owners; role in use and management of land.

Security interests: mortgages; charges; pledges; liens.

Land registration and priorities.

Compulsory Depth Courses**CIVL3003. Construction project management (6 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3006. Engineering hydraulics (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3008. Foundation engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3018. Theory and design of structures III (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

Elective Civil Engineering (Law) Courses**CIVL1011. Transportation engineering (6 credit-units)**

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3001. Advanced engineering mechanics (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3005. Earthwork engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3007. Environmental impact assessment of civil engineering projects (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3011. Municipal and industrial wastewater treatment (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3012. Prestressed concrete structures (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3014. Slope engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3015. Solid and hazardous waste management (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3016. Steel structures (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3021. Water resources engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3022. Wind engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3023. Inter-disciplinary design project (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3026. Engineering practice in Mainland China (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3027. Building practice in the built environment (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

CIVL3028. Structural dynamics and earthquake engineering (6 credit-units)

For course descriptions, see the syllabuses of the Civil Engineering programme.

LLAW3007. Alternative dispute resolution (6 credit-units)

This course will examine the traditional methods of dispute resolution such as judicial adjudication, and consider alternative dispute resolution from both a Hong Kong and an Asian perspective.

This course is composed of two main parts:

- (a) an introduction to traditional methods of dispute resolution and a critique of their advantages and disadvantages; and
- (b) an examination of alternative dispute resolution methods, which will cover the following:
 - (i) the origin and development of the alternative dispute resolution movement, and
 - (ii) an in-depth study of the following methods: confidential private listening; negotiation, mediation and conciliation; arbitration; good offices/ombudsman; mini-trials/summary jury trials; private courts, dispute resolution centres and online web-based ADR schemes.

These methods of alternative dispute resolution will be examined by considering their present and potential application in Hong Kong and other parts of Asia, in such areas as: administrative complaints, commercial and construction disputes (both domestic and international), labour relations, landlord and tenant disputes and matrimonial disputes. Students will also engage in role playing exercises in simulated negotiation, mediation and arbitration with video taped assessment.

LLAW3034. Labour law (6 credit-units)

This course is intended to provide an introduction to the major issues in labour and employment law in Hong Kong. It is concerned with the law governing the workplace: the common law of the contract of employment, the statutory provisions regulating the contract of employment and governing the rights and obligations of workers and employers, workers' entitlements under legislation, workplace safety, the right to compensation for work-related injury, protection against discrimination, and collective rights such as the right to form trade unions, to bargain and to strike. International law, in the form of the International Labour Organisation conventions as well as the major UN conventions on human rights, and their interface with domestic law, will be considered.