SYLLABUSES FOR THE DEGREE OF
BACHELOR OF ARTS IN URBAN STUDIES
(BA[UrbanStud])

These syllabuses are applicable to candidates admitted to the Bachelor of Arts in Urban Studies curriculum in the 2019-20, 2020-21, and 2021-22 academic years.

Candidates admitted in 2020-21 and 2021-22 are required to take a professional core of 138 credits (including 126 credits of core courses and 12 credits of Faculty Interdisciplinary courses), 54 credits in language and Common Core courses and 48 credits of electives, totalling 240 credits for the 4-year curriculum.

Candidates admitted in 2019-20 are required to take a professional core of 144 credits (including 126 credits of core courses and 18 credits of Faculty Foundation courses), 54 credits in language and Common Core courses and 42 credits of electives, totalling 240 credits for the 4-year curriculum.

Successful completion of any other non-credit bearing courses as required by the University forms part of the graduation requirements.

Most courses are 6-credit courses, with the exception of the Urban Process and City Design Studio, Development Appraisal Studio, Development Scenarios and Impact Assessment Studio and Urban Research Studio which are 12 credits.

The syllabuses of the Bachelor of Arts in Urban Studies shall comprise the following requirements:

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University Requirements

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>(i) One 6-credit course in Core University English¹; one 6-credit course in English in the Discipline; and one 6-credit course in Chinese language enhancement²</td>
<td>18</td>
</tr>
<tr>
<td>(ii) 36 credits of courses in the Common Core Curriculum, comprising at least one and not more than two courses from each Area of Inquiry with not more than 24 credits of courses being selected within one academic year except where candidates are required to make up for failed credits</td>
<td>36</td>
</tr>
</tbody>
</table>

¹ Candidates who have achieved Level 5 or above in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent are exempted from this requirement, and Core University English is optional. Those who do not take this course should take an elective course in lieu, see UG6 of the Regulations for First Degree Curricula.

² Students are required to successfully complete the 6-credit Faculty-specific Chinese language enhancement course, except for:
   (a) Putonghua-speaking students who should take CUND9002 (Practical Chinese and Hong Kong Society) or CUND9003 (Cantonese for Non-Cantonese Speaking Students); and
   (b) students who have not studied Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take the Chinese language enhancement course should write to the Board of the Faculty to apply to be exempted from the Chinese language requirements, and (i) to take a 6-credit Cantonese or Putonghua language course offered by the School of Chinese especially for international and exchange students; OR (ii) to take an elective course in lieu.
Faculty Requirements

Candidates admitted in 2020-21 and thereafter are required to take 12 credits of compulsory Faculty Interdisciplinary courses which must be completed successfully:

<table>
<thead>
<tr>
<th>Two 6-credit Faculty Interdisciplinary courses including</th>
<th>Credit</th>
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<tbody>
<tr>
<td>- Get Inspired;</td>
<td>12</td>
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<tr>
<td>- Reaching Out.</td>
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</tbody>
</table>

Candidates admitted in 2019-20 are required to take 18 credits of compulsory Faculty Foundation courses which must be completed successfully:

<table>
<thead>
<tr>
<th>Three 6-credit Faculty Foundation courses including</th>
<th>Credit</th>
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<tbody>
<tr>
<td>- Introduction to Building Technology;</td>
<td>18</td>
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<tr>
<td>- Introduction to Landscape City Architecture;</td>
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<tr>
<td>and either one of the following:</td>
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<tr>
<td>- Housing and Cities;</td>
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<tr>
<td>- Sustainability and the Built Environment.</td>
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</tbody>
</table>

Professional Core of Urban Studies

<table>
<thead>
<tr>
<th>Core Course List</th>
<th>Credits</th>
<th>2019 intake</th>
<th>2020 intake and 2021 intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBS1003 Theories and Global Trends in Urban Development</td>
<td>6</td>
<td>Year 1</td>
<td>Year 1</td>
</tr>
<tr>
<td>URBS1004 Urban Analytics Studio</td>
<td>6</td>
<td>Year 1</td>
<td>Year 1</td>
</tr>
<tr>
<td>URBS1005 Urban Problems, Interventions and Design Thinking</td>
<td>6</td>
<td>Year 1</td>
<td>Year 1</td>
</tr>
<tr>
<td>CAES1000 Core University English</td>
<td>6</td>
<td>Year 1</td>
<td>Year 1</td>
</tr>
<tr>
<td>CEUC9001 Practical Chinese for Surveying, Urban Studies and Conservation Students</td>
<td>6</td>
<td>Year 1</td>
<td>Year 1</td>
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<tr>
<td>AFIC1001 Get Inspired</td>
<td>6</td>
<td>Year 1</td>
<td></td>
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<tr>
<td>AFIC1002 Reaching Out</td>
<td>6</td>
<td>Year 1</td>
<td></td>
</tr>
<tr>
<td>AFFC1201 Introduction to Building Technology</td>
<td>6</td>
<td>Year 1</td>
<td></td>
</tr>
<tr>
<td>AFFC1027 Introduction to Landscape City Architecture</td>
<td>6</td>
<td>Year 1</td>
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<tr>
<td>Either one of the following two Faculty Foundation courses:</td>
<td>6</td>
<td>Year 1</td>
<td></td>
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<tr>
<td>AFFC1200 Housing and Cities</td>
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<td></td>
<td></td>
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<tr>
<td>or AFFC1028 Sustainability and the Built Environment</td>
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<tr>
<td>Two Common Core courses</td>
<td>12</td>
<td>Year 1</td>
<td>Year 1</td>
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<tr>
<td>Course</td>
<td>Credits</td>
<td>Year 1</td>
<td>Year 2</td>
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<td>----------------------------------------------------------------------</td>
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<tr>
<td>CAES9121 Communication Course for Architecture Students</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
</tr>
<tr>
<td>URBS2007 Urban Process and City Design Studio</td>
<td>12</td>
<td>Year 2</td>
<td>Year 2</td>
</tr>
<tr>
<td>URBS2005 Research Methods in Urban Studies</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
</tr>
<tr>
<td>URBS2008 Design Graphics Studio</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
</tr>
<tr>
<td>URBS2010 Urban Planning and Urban Management</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
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<tr>
<td>RECO2042 Introduction to Law (for candidates admitted in 2021-22 and thereafter)</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
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<tr>
<td>RECO2032 Introduction to Law (for candidates admitted in 2019-20 and 2020-21)</td>
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<tr>
<td>RECO2039 Urban and Land Economics (for candidates admitted in 2021-22 and thereafter)</td>
<td>6</td>
<td>Year 2</td>
<td>Year 2</td>
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<tr>
<td>RECO2029 Land Economics (for candidates admitted in 2019-20 and 2020-21)</td>
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<tr>
<td>Two Common Core course</td>
<td>12</td>
<td>Year 2</td>
<td>Year 2</td>
</tr>
<tr>
<td>URBS3005 Development Appraisal Studio</td>
<td>12</td>
<td>Year 3</td>
<td>Year 3</td>
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<tr>
<td>URBS3008 Urban Policy and Governance</td>
<td>6</td>
<td>Year 3</td>
<td>Year 3</td>
</tr>
<tr>
<td>URBS3009 BIM, CIM and New Urban Data Applications</td>
<td>6</td>
<td>Year 3</td>
<td>Year 3</td>
</tr>
<tr>
<td>URBS3006 Planning and Development Laws</td>
<td>6</td>
<td>Year 3</td>
<td>Year 3</td>
</tr>
<tr>
<td>Two Common Core courses</td>
<td>12</td>
<td>Year 3</td>
<td>Year 3</td>
</tr>
<tr>
<td>Three Elective courses</td>
<td>18</td>
<td>Year 3</td>
<td>Year 3</td>
</tr>
<tr>
<td>URBS4005 Development Scenarios and Impact Assessment Studio</td>
<td>12</td>
<td>Year 4</td>
<td>Year 4</td>
</tr>
<tr>
<td>URBS4006 Urban Research Studio</td>
<td>12</td>
<td>Year 4</td>
<td>Year 4</td>
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<tr>
<td>RECO3038 Real Estate Investment and Finance (for candidates admitted in 2020-21 and thereafter)</td>
<td>6</td>
<td>Year 4</td>
<td>Year 4</td>
</tr>
<tr>
<td>RECO3029 Real Estate Investment and Finance (for candidates admitted in 2019-20)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>URBS4007 Urban Environmental Science and Design</td>
<td>6</td>
<td>Year 4</td>
<td>Year 4</td>
</tr>
<tr>
<td>Four Elective courses</td>
<td>24</td>
<td>Year 4</td>
<td>Year 4</td>
</tr>
</tbody>
</table>

**First Year of Study**

The theme of Year 1 is ‘Fundamental Urban Studies’. Year 1 students are required to take the University’s Common Core courses, language courses, Faculty Interdisciplinary courses and core courses to introduce students to global trends in urban development and urban problems, interventions and design thinking, and the use of urban analytics in urban studies.

**Second Year of Study**

The theme of Year 2 is ‘Urban Planning, Design and Management’. Year 2 curriculum introduces students to the theories and methods of urban studies. The Design Graphics Studio will enable students to develop graphic skills and techniques which are useful in their communication of urban issues and solutions. The Urban Process and City Design Studio will introduce students to project work and studio teaching and learning environment through
problem-based learning projects and assignments and additional training in skills and methods. Students are required to take 12 credits of University Common Core courses to broaden their knowledge and English in the Discipline course.

Third Year of Study

The theme of Year 3 is ‘Development and Sustainability’. Year 3 curriculum further introduces students to the theories and methods of urban studies and urban policy and governance. Further spatial analysis, planning and development appraisal skills will be developed in Development Appraisal Studio. Students will take Elective courses and University Common Core courses to broaden their knowledge and develop multi-disciplinary perspectives.

Final Year of Study

The theme of Year 4 is ‘Urban Analysis and Impact’. In the Final Year, students will carry out dissertations that synthesize what they have learnt in the programme and further develop their understanding and analysis of issues of urban development through the Development Scenarios and Impact Assessment Studio and Research Studio. It will also introduce students to urban environmental science and design and real estate investment and design.

They will continue to take Elective courses from other departments and faculties to broaden their knowledge and develop multi-disciplinary perspectives.

Course Offerings for Minor in Urban Studies

Students of other degree programmes intending to minor in Urban Studies must complete at least 36 credits among the courses listed below. Student must complete at least three Urban Studies courses (with the course code URBS) from the list.

URBS1003 Theories and Global Trends in Urban Development
(equivalent to URBS1001 Urban and Regional Development I) (6 credits)
RECO2039 Urban and Land Economics
(equivalent to RECO2029 Land Economics) (6 credits)
URBS1005 Urban Problems, Interventions and Design Thinking
(equivalent to URBS2004 Urban and Regional Development II) (6 credits)
URBS2010 Urban Planning and Urban Management
(equivalent to URBS3004 Urban Planning and Urban Management) (6 credits)
URBS2005 Research Methods in Urban Studies (6 credits)
URBS3008 Urban Policy and Governance
(equivalent to URBS4003 Urban Policy and Governance) (6 credits)
RECO3038 Real Estate Investment and Finance (effective from Academic Year 2023-24)
(equivalent to RECO3029 Real Estate Investment and Finance) (6 credits)
URBS3006 Planning and Development Laws
(effective from Academic Year 2022-23) (6 credits)
URBS4007 Urban Environmental Science and Design
(effective from Academic Year 2022-23) (6 credits)
URBS5005 Healthy and Liveable Cities and Smart Technologies
Double counting of credits is not permissible for minor in Urban Studies. When a course is used to satisfy the requirements of another curriculum or programme, it shall not be counted towards the fulfillment of the requirements of this minor.

The following courses have been removed from the Minor in Urban Studies course list:

<table>
<thead>
<tr>
<th>Course code and title</th>
<th>Removed with effect from (academic year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBS1001 Urban and Regional Development I (6 credits)</td>
<td>2019-20</td>
</tr>
<tr>
<td>URBS2004 Urban and Regional Development II (6 credits)</td>
<td>2019-20</td>
</tr>
<tr>
<td>URBS3004 Urban Planning and Urban Management (6 credits)</td>
<td>2019-20</td>
</tr>
<tr>
<td>URBS4003 Urban Policy and Governance (6 credits)</td>
<td>2019-20</td>
</tr>
<tr>
<td>ARCH3103 Environment, Community and Design (6 credits)</td>
<td>2019-20</td>
</tr>
<tr>
<td>CONS1001 Introduction to Conservation (6 credits)</td>
<td>2021-22</td>
</tr>
<tr>
<td>RECO2029 Land Economics (6 credits)</td>
<td>2022-23</td>
</tr>
<tr>
<td>RECO3029 Real Estate Investment and Finance (6 credits)</td>
<td>2023-24</td>
</tr>
</tbody>
</table>

Students who have taken any of these courses previously will be recognized.

**Course Description**

**Year 1**

**URBS1003 Theories and Global Trends in Urban Development (6 credits)**

The course introduces students to global urbanisation trends as well as basic theories for understanding cities. Drawing on multidisciplinary perspectives, students will be exposed to relevant theories from urban sociology, public policy and political science, economics, design, geography, environmental management and planning.

Assessment: 70% continuous coursework assessment and 30% examination

**URBS1004 Urban Analytics Studio (6 credits)**

This course will introduce student to data analytics of urban data and demonstrates how these analytics can be employed in solving urban problems. Students will learn conceptual frameworks, methodologies, software tools, as well as applied cases for urban data analytics. Students will also be introduced to multimedia, data visualization and interactive mapping.

Assessment: 100% continuous coursework assessment

**URBS1005 Urban Problems, Interventions and Design Thinking (6 credits)**

The course further introduces students to theories for understanding cities in a more critical way. Drawing on multidisciplinary perspectives, students learn relevant theories from urban
sociology, public policy and political science, economics, design, geography, environmental management and planning. We structure the course as a series of paired discussions: first, introducing some prevalent urban problems, and next, strategic interventions aimed at a more sustainable, liveable, and just mode of urban development. We assess these interventions and discuss new approaches to development. Students will also be exposed to design thinking and explore the design of policy interventions in complex urban environments.

Assessment: 100% continuous coursework assessment

Pre-requisite: URBS1003 Theories and Global Trends in Urban Development (for Candidates admitted in 2019-20 and 2020-21)

**CAES1000 Core University English (certified Communication intensive Course[CiC]\(^3\)) (6 credits)**

The Core University English (CUE) course aims to enhance first-year students’ academic English language proficiency in the university context. CUE focuses on developing students’ academic English language skills for the Common Core Curriculum. These include the language skills needed to understand and produce spoken and written academic texts, express academic ideas and concepts clearly and in a well-structured manner and search for and use academic sources of information in their writing and speaking. Four online-learning modules through the Moodle platform on academic speaking, academic grammar, academic vocabulary, citation and referencing skills and avoiding plagiarism will be offered to students to support their English learning. This course will help students to participate more effectively in their first-year university studies in English, thereby enriching their first-year experience.

Assessment: 100% continuous coursework assessment

**CEUC9001 Practical Chinese for Surveying, Urban Studies and Conservation Students (6 credits)**

The main objective of this course is to enhance the students’ command of Chinese for the construction and surveying profession through basic training in presentation skills and in specific techniques for the preparation of target-oriented letters, proposals, plans and reports. This course also aims to develop students’ ability to engage in negotiations, debates as well as critical and creative thinking. In order to promote artistic and aesthetic appreciation, thematic lectures and topical workshops on Chinese calligraphic and artistic representations will be conducted. Site visits to traditional Chinese temples, gardens and museums will be organized to provide students with opportunities to gain hands-on experiences of the inner dynamics of Chinese culture. Students will be able to acquire sophisticated Chinese language skills and knowledge of Chinese culture within the context of the discipline of construction and surveying.

Assessment: 50% continuous coursework assessment and 50% examination

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\(^3\) For candidates admitted in 2020-21 and thereafter: A certified Communication-intensive Course (CiC) which meets all of the requirements endorsed by the Senate, including

(a) the teaching and assessment of oral, written and visual communication ‘literacies’; and
(b) at least 40% of the course grade assigned to communication-rich assessment tasks.

Please refer to the respective syllabuses statements on the programme website for the details.
AFFC1201 Introduction to Building Technology (6 credits)

This course provides the fundamental knowledge and concepts for functional design and construction of buildings. The aim of the course is to help students to explain why the building stands up, identify the function of essential elements and components of buildings, including the materials used and their installation methods. A morphological approach will be used to explain the building elements and components. Students will learn how to read from drawings and sketches, and appreciate their practical application from site visits. Topics will cover structural elements, building envelopes and services of buildings, including the materials and methods of their installation.

Assessment: 100% continuous coursework assessment

AFFC1200 Housing and Cities (6 credits)

The aim of this course is to develop students’ abilities to identify, describe and analyze critically the role and function of cities at different stages. In addition, students will be encouraged to correlate between city formation and various elements in urban development, particularly housing issues, in an increasingly globalized context. The course is explicitly interdisciplinary, and introduces recurrent and emerging debates about housing and the role and function of cities in the 21st century together with a parallel analysis of an increasingly complex matrix of social, political and economic issues as the pace of urbanization increases. Upon completion of the course students will have an appreciation of the complexity of urban issues in an increasingly urban world, and an appreciation of one of the major functions of cities - housing people.

Assessment: 100% continuous coursework assessment

AFFC1027 Introduction to Landscape City Architecture (6 credits)

This course is an introduction to the understanding of landscapes, cities, and architectures. Students will be exposed to why architecture is an essential necessity for our societies as well as recognising that architecture is both an expression of programme, form and structure as well as the resolution of cultural specificities and practices. We will demonstrate and examine how architecture is presented to the public and how its practice is varied and diverse in different societies. The various geographical, landscape and urban conditions found in Hong Kong will be the playground and the source for learning, describing and debating. In addition to lectures, a series of walks, visits, and exercises will allow the students to express, demonstrate, and challenge the different propositions presented in the class.

Assessment: 100% continuous coursework assessment

AFFC1028 Sustainability and the Built Environment (6 credits)

The course examines the broad range of issues confronting mankind’s search for a sustainable future, such as: population & urbanization; transportation & logistics; technology & mobility; water; waste; energy; food; (natural) disasters; and community & governance. Through the perspective of contemporary and historical case studies students explore how people, in their visions of the future, have sought to perfect built environments as the setting for model
communities.
The ideas raised in the lectures, reinforced through weekly readings and weekly tutorial sessions, are brought together at the end of the course with an intensive workshop, in which students look to define their own vision of a sustainable community. This course is intended to inspire thinking about the way we should construct our living environments in future, in order to find a sustainable balance.

Assessment: 100% continuous coursework assessment

AFIC1001 Get Inspired (6 credits)

Get Inspired is a broad-based survey about the built environment disciplines, exposing students to the broad theories, methods and key questions of the various disciplines within the Faculty of Architecture, and examining how each has sought to address the chronic challenges of public health in the city.

Assessment: 100% continuous coursework assessment

AFIC1002 Reaching Out (6 credits)

Reaching Out will challenge students to work in mixed disciplinary groups to explore the nature and value of the research work of the Faculty’s research labs, and to develop a group project that takes knowledge and practices generated by one of the labs and to investigate how it has been applied to a specific site.

Assessment: 100% continuous coursework assessment

2 Common Core courses (12 credits)

1 Elective course (6 credits) (For candidates admitted in 2020-21 and thereafter)

Year 2

CAES9121 Communication Course for Architecture Students (certified Communication intensive Course[CiC])³ (6 credits)

This English-in-the-Discipline course is designed to help students to respond effectively to the communication demands of their studio programmes and their future careers. The focus is on raising students’ awareness of the genre of professional discourse by providing them with opportunities to enhance their linguistic range in their approach to architectural, cultural, real estate & built environment literacy.

Activities are organised through engagement in project-based discussion and written tasks designed to simulate the English Language demands on Architectural, Surveying and Built Environment professionals.

The out-of-class learning component of the course will supplement the main aims by consolidating use of vocabulary related to architectural, real estate & built environment and further enhancing students’ writing. Students will also become familiar with self-evaluation
and with resources they can access to take responsibility to improve their own language skills in future.

Assessment: 100% continuous coursework assessment

**URBS2007 Urban Process and City Design Studio (12 credits)**

This studio enables students to apply and integrate the skills and knowledge learnt in the courses to case studies and projects in analyzing urban issues. Spatial analysis and planning skills will be developed in the studio, which will include emphasis on project planning, impact assessment, financing, and community engagement.

Assessment: 100% continuous coursework assessment

**URBS2005 Research Methods in Urban Studies (6 credits)**

Introduction to the basic qualitative and quantitative methods used to analyze cities and regions, including qualitative methods, sampling, questionnaire design and statistics.

Assessment: 50% continuous coursework assessment and 50% examination

**URBS2008 Design Graphics Studio (6 credits)**

This studio will provide students with the basic graphic skills and techniques (in freehand drawing, photography, 2D and 3D CAD drawing, laser cutting, model making, Illustrator and Photoshop software) which allow them to experiment with many of the issues and ideas introduced. Students will be responsible for individual projects which exhibit their grasp of the studio topics.

Assessment: 100% continuous coursework assessment

Pre-requisite: URBS1004 Urban Analytics Studio

**URBS2010 Urban Planning and Urban Management (6 credits)**

This course reviews the processes and theories of urban development, urban planning, and the management of cities. It examines key issues and concerns in the management of cities such as spatial strategy, transport policy, infrastructure provision, environmental policy, development controls and urban sustainability.

Assessment: 100% continuous coursework assessment

**RECO2032 Introduction to Law (6 credits) (for candidates admitted in 2019-20 and 2020-21)**

Legal framework of the HKSAR - the Basic Law and the HKSAR legal system; elements of the law of contract and tort; introduction to public law.

Assessment: 20% continuous coursework assessment and 80% examination
RECO2042  Introduction to Law (6 credits) (for candidates admitted in 2021-22 and thereafter)

Legal framework of the HKSAR - the Basic Law and the HKSAR legal system; elements of the law of contract and tort; introduction to intellectual property rights and elementary public law.

Assessment: 20% continuous coursework assessment and 80% examination

RECO2029  Land Economics (6 credits) (for candidates admitted in 2019-20 and 2020-21)

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: 40% continuous coursework assessment and 60% examination

RECO2039  Urban and Land Economics (6 credits) (for candidates admitted in 2021-22 and thereafter)

This course will include the fundamental theories of urban and land economics: urbanization and economic growth; agglomeration and network economies; path dependence; urban land markets; land use models; spatial equilibrium model; land development cycles; land value and property value; government policy controls; and external shocks to land markets. In addition, this course will introduce the application of agent-based models to simulate land use outcomes based on the principles of aforementioned theories.

Assessment: 100% continuous coursework assessment

2 Common Core courses (12 credits)

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Year 3

URBS3005  Development Appraisal Studio (12 credits)

This studio course enables students to apply and integrate their learning outcomes from other courses to case studies and projects in analyzing land and property development issues. It covers the fundamental economic and financial concepts, essential methods and practical trainings to equip students with the professional knowledge and skills in carrying out the tasks of land development planning, project appraisal and property valuation. Further spatial analysis, evaluation and planning skills will also be developed through problem-based learning modules, which place an emphasis on project planning, viability study, impact assessment, financing, cost-benefit analysis, risk management and stakeholder engagement.
Assessment: 100% continuous coursework assessment

Pre-requisite: URBS2007 Urban Process and City Design Studio

URBS3008 Urban Policy and Governance (6 credits)

The institutional structure and public administration of cities, including sectors such as housing and transport; the management and governance of mega-city region; public participation and engagement in urban management and governance.

Assessment: 100% continuous coursework assessment

URBS3009 BIM, CIM and New Urban Data Applications (6 credits)

This course introduces students to the concepts and practices of building information modelling (BIM), city information modelling (CIM), and new urban spatial analysis applications. Knowledge and concepts on the structure and operation of Geo-database will be taught to equip students with essential techniques for spatial data preparation, conversion, and integration. Students will have knowledge of BIM, CIM, and the spatial skills and techniques needed for conducting various smart city planning and design projects.

Assessment: 100% continuous coursework assessment

Pre-requisite: URBS1004 Urban Analytics Studio

URBS3006 Planning and Development Laws (6 credits)

This course introduces students to the Hong Kong laws relevant to the planning and development of land properties from the legal and regulatory perspectives. It enables students to understand the statutory framework, administrative practices, mechanisms, tools and their enforcement in governing the planning, development and holding of land and building properties. Case study illustrations will help understand the interpretation, compliance and enforcement of the laws, rules and regulations under various real situations.

Assessment: 100% continuous coursework assessment

2 Common Core course (12 credits)

3 Electives (18 credits)

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Year 4

URBS4005 Development Scenarios and Impact Assessment Studio (Capstone Experience) (12 credits)

This course provides the theoretical basis and analytical methods in impact assessments. Students will learn knowledge and skills in identifying, forecasting and evaluating the potential
environmental and social impacts of urban development initiatives and projects.

Assessment: 100% continuous coursework assessment

Pre-requisite: URBS3005 Development Appraisal Studio

**URBS4006 Urban Research Studio (Capstone Experience) (12 credits)**

Students will further carry out capstone research projects that solidify and integrate their academic and practical understanding of urban issues and allow them to develop further skills and knowledge in their desired area with advanced urban analysis techniques, such as GIS and urban modelling.

Assessment: 100% continuous coursework assessment

Pre-requisite: URBS4005 Development Scenarios and Impact Assessment Studio

**RECO3038 Real Estate Investment and Finance (6 credits) (for candidates admitted in 2020-21)**

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.

(for candidates admitted in 2021-22 and thereafter)
This course introduces the commercial real estate market, presents financial economic principles, concepts, and tools for the analysis of real estate from an investment perspective, and extends such analysis to examine leverage and equity securitization.

Assessment: 100% continuous coursework assessment

Pre-requisite: RECO2039 Urban and Land Economics (equivalent to RECO2029 Land Economics)

**RECO3029 Real Estate Investment and Finance (6 credits) (for candidates admitted in 2019-20)**

Real estate market; financial economic concepts and tools for investment analysis; application in real estate, REIT and land; leverage; statistical model for forecasting.

Assessment: 100 continuous coursework assessment

Pre-requisite: RECO2029 Land Economics)

**URBS4007 Urban Environmental Science and Design (6 credits)**

This course introduces the fundamentals of urban environmental science and technology, explores how informed design is essential to the environmental sustainability and well-being of future cities, and examines best practices of environment-conscious design at city scale.
Students are expected to familiarize with scientific literature on key urban environmental challenges; understand the role of environment-conscious design in key urban environmental performance domains, such as climate, air pollution, water, noise, and energy; and acquire practical skills and experiences that are geared towards making informed designs to advance urban sustainability.

Assessment: 100% continuous coursework assessment

4 Electives (24 credits)

Elective course

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

URBS5005 Healthy and Liveable Cities and Smart Technologies (6 credits)

This course introduces the science and practice of healthy and liveable cities. Drawing from a multidisciplinary perspective, it will provide a holistic overview of the links between cities’ built environment, health and well-being; discuss the concept of urban liveability and its indicators; describe methods to measure healthy-influencing urban environments; explore how smart technologies can help shape healthier and more liveable cities; and provide a basic understanding of healthy and sustainable city planning.

Assessment: 100% continuous coursework assessment