

## **REGULATIONS FOR THE DEGREE OF BACHELOR OF ARTS IN ARCHITECTURAL STUDIES (BA[ArchStud])**

*These regulations are applicable to candidates admitted under the 3-year curriculum to the first year of the Bachelor of Arts in Architectural Studies in 2012-13.*

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

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### **Admission to the degree of Bachelor of Arts in Architectural Studies**

**Ar1** To be eligible for admission to the degree of Bachelor of Arts in Architectural Studies, a candidate shall:

- (a) comply with the General Regulations;
  - (b) comply with the Regulations for First Degree Curricula; and
  - (c) satisfy all the requirements of the curriculum in accordance with these regulations and the syllabuses.
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### **Period of study**

**Ar2** The curriculum for the Bachelor of Arts in Architectural Studies 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.

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### **Selection of courses**

**Ar3** 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 Architecture.

**Ar4** 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 Architecture, and such changes shall not be reflected in the transcript. Requests for changes after the first two weeks of a semester shall not be considered, and a candidate withdrawing from any course without permission shall be given an F grade.

**Ar5** 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**

**Ar6** 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 a professional core of 159 credits (including 153 credits of core courses and 6 credits of a disciplinary elective

- course), 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 satisfactorily complete all coursework requirements set as tests or as parts of any assessment and practical work to be undertaken as an integral part of the BA(ArchStud) curriculum; and
  - (d) satisfy the examiners in the assessment of the courses in the manner specified in the regulations and syllabuses.
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#### **Ar7 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, 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 Ar7(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 recommended for discontinuation of 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 a number of credits in the two given semesters, or
    - (ii) failed to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester), 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 of not fewer than 24 credits if their academic progression is unsatisfactory.
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#### **Assessment**

**Ar8** Candidates shall be assessed for each of the courses for which they have registered, 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 coursework, laboratory work, field work, research or project reports, or any other manner as determined by the examiners. Only passed courses will earn credits. Grades shall be awarded in accordance with UG8(a) of the Regulations for First Degree Curricula.

**Ar9** (a) 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 examinations 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.

(b) Candidates who are unable, because of illness, to be present at any assessment task of any course may apply for permission to present themselves for supplementary assessment of the same course to be held in a manner prescribed at the Department's discretion.

**Ar10** (a) Candidates shall not be permitted to repeat a course for which they have received a D grade or above for the purpose of upgrading.

(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.

**Ar11** There shall be no appeal against the results of examinations and all other forms of assessment.

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### **Failure in assessment**

**Ar12** Candidates are required to make up for failed courses in the following manner as prescribed by the Board of Examiners:

- (a) undergoing instruction during the prescribed summer period and satisfying the re-assessments before the beginning of the next academic year for failure in no more than 6 credits in a given semester; or
- (b) repeating the failed course(s) in the following academic year for failure in more than 6 credits in a given semester; or
- (c) taking the same or another course *in lieu* of a failed elective course, and satisfying the assessment requirements.

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### **Honours classification**

#### **Ar13**

- (a) Honours classifications shall be awarded in five divisions: First Class Honours, Second Class Honours (Division One), Second Class Honours (Division Two), Third Class Honours and Pass. The classification of honours shall be determined by the Board of Examiners for the degree in accordance with the following Cumulative GPA scores, with all courses taken (including failed courses) carrying equal weighting:

| <i>Class of honours</i> | <i>CGPA range</i> |
|-------------------------|-------------------|
| First Class Honours     | 3.60 – 4.30       |
| Second Class Honours    | (2.40 – 3.59)     |
| Division One            | 3.00 – 3.59       |
| Division Two            | 2.40 – 2.99       |
| Third Class Honours     | 1.70 – 2.39       |
| Pass                    | 1.00 – 1.69       |

- (b) Honours classification may not be determined solely on the basis of a candidate's Cumulative GPA and the Board of Examiners for the degree may, at its absolute discretion and with justification, award a higher class of honours to a candidate deemed to have demonstrated meritorious academic achievement but whose Cumulative GPA falls below the range stipulated in Ar13(a) of the higher classification by not more than 0.05 Grade Point.
- (c) A list of candidates who have successfully completed all degree requirements shall be posted on Faculty noticeboards.
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## **SYLLABUSES FOR THE DEGREE OF BACHELOR OF ARTS IN ARCHITECTURAL STUDIES (BA[ArchStud])**

*These syllabuses are applicable to candidates admitted under the 3-year curriculum to the first year of the Bachelor of Arts in Architectural Studies in 2012-13.*

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Students entering the 3-year Bachelor of Arts in Architectural Studies curriculum in the academic year 2012-13 will take a professional core of 159 credits (including 153 credits of core courses and 6 credits of a disciplinary elective course), plus a total of 21 credits in language and Common Core courses, totalling 180 credits for the 3-year curriculum.

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

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### **University Requirements**

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

|  |            |
|--|------------|
| Two 3-credit courses in English language enhancement; and one 3-credit course in Chinese language enhancement <sup>1</sup> | 9 credits  |
| Two 6-credit courses in the Common Core Curriculum with not more than one course from one Area of Inquiry                  | 12 credits |

### **Professional Core of Architectural Studies**

The Architectural Studies curriculum has four types of courses which are taught using distinct learning modes.

All courses are 6 credit courses with the exception of the Design Studios which are 12 or 15 credits. All Design Studios and the majority of Architectural History and Theory, Technology, and Visual Communications courses are offered in two parts with Part I running in the first semester and Part II running in the second semester of a single academic year. This split is designed so that the knowledge and skills learnt in each course can be directly related to concurrent project work in the Design Studio course, to allow a more specific and structured approach to student learning.

The Design Studio and Visual Communications courses are assessed through 100% continuous coursework assessment. Courses on Architectural History and Theory, and Technology are assessed through a combination of continuous coursework assessment and examination.

**Architectural Design Studio Courses** (12 and 15 credits requiring approximately 360 and 450 hours of student learning activities per course). Each of the studio courses is a semester course.

These courses engage students, under staff guidance and supervision, through a range of problem-based design exercises addressing core and related issues essential to the training

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<sup>1</sup> 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 CARC1001 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.

of an architect. The studio projects provide opportunities to apply key architecture theories and concepts learned in concurrent courses.

Teaching is conducted in lectures / workshops / review sessions (total of 96 hours of student learning activities), and involves working on projects in both group and individual formats. Work is regularly presented and discussed in critical review sessions. Site visits, data research and practical workshops are required. The courses are assessed on the portfolio of project work produced, as well as contributions to discussions and activities in the studio sessions. Assessment is 100% continuous coursework assessment of drawings, diagrams, photos, renderings, animations, physical models, prototypes and project presentation (up to 5,000 words for the whole course).

|   |                                      |              |
|---|--------------------------------------|--------------|
| ARCH1025  | Introduction to Architectural Design | (12 credits) |
| ARCH1026  | Architectural Design 1               | (12 credits) |
| (Pre-Requisite: Introduction to Architectural Design) |                                      |              |
| ARCH2047  | Architectural Design 2               | (12 credits) |
| (Pre-Requisite: Architectural Design 1)               |                                      |              |
| ARCH2048  | Architectural Design 3               | (12 credits) |
| (Pre-Requisite: Architectural Design 2)               |                                      |              |
| ARCH3045  | Architectural Design 4               | (12 credits) |
| (Pre-Requisite: Architectural Design 3)               |                                      |              |
| ARCH3046  | Architectural Design 5               | (15 credits) |
| (Pre-Requisite: Architectural Design 4)               |                                      |              |

### **Architectural History and Theory courses**

Collectively these courses examine the theories and practice of architecture through a comparative study of the history of architectural design and urbanism, in various geographic and cultural contexts. Teaching is conducted in lectures / workshop / review sessions (24 - 36 contact hours per course), and the course work includes reading of critical texts, site visits, research, case studies and the preparation of assignments, essays and reports. Work is regularly presented and discussed in critical review sessions. The courses are assessed through a combination of continuous coursework assessment and examination. Continuous assessment is usually by various methods including PowerPoint presentation, reports (up to 10,000 words), short essays (1,500 - 2,000 words), quizzes, projects and/or sketch books.

|          |                                    |             |
|----------|------------------------------------|-------------|
| ARCH1024 | Architectural History and Theory 1 | (6 credits) |
| ARCH2049 | Architectural History and Theory 2 | (6 credits) |
| ARCH2050 | Architectural History and Theory 3 | (6 credits) |
| ARCH3047 | Architectural History and Theory 4 | (6 credits) |
| ARCH3048 | Architectural History and Theory 5 | (6 credits) |

### **Technology courses**

The Building Technology courses explore issues of materials, construction, structures and environment as they relate to the built environment. Particular emphasis is placed upon overarching concepts of environmental sustainability and ecological design in all courses. The curriculum examines state-of-the-art “high” technology in combination with comparative studies of vernacular “low” technological practices of construction. Students are equipped with a global understanding of divergent technological practices found in numerous regionally specific conditions. The courses establish key technical concepts and knowledge that underpin students’ architectural design work. Much of the course relates to projects undertaken in the design studios. Teaching is conducted in lectures / workshops / review sessions (24 - 36 contact hours per course), and activities include site visits, case studies, practical demonstrations, detailed design exercises and the preparation of assignments and reports. The courses are assessed through a combination of continuous

coursework assessment and examination. Continuous assessment is usually by various methods including homework, group work, quizzes, group projects, assignments, integrated coursework, presentation, and individual study. The usual output mainly comprises annotated diagrams and short written descriptions (up to a total of 5,000 words for the whole course).

|          |                       |             |
|----------|-----------------------|-------------|
| ARCH1019 | Building Technology 1 | (6 credits) |
| ARCH2051 | Building Technology 2 | (6 credits) |
| ARCH2052 | Building Technology 3 | (6 credits) |
| ARCH3049 | Building Technology 4 | (6 credits) |
| ARCH3050 | Building Technology 5 | (6 credits) |

### **Visual communications**

These courses introduce students to the essential tools of design communication, and teach the fundamentals of graphic design as a means to describe space visually. Students learn freehand drawing, computer aided drafting, physical model building and 3D computer modelling. They investigate approaches and techniques to manage, manipulate, and envision information, using a variety of computer software to link photography, drawing, and other media.

Teaching is conducted in lectures / workshops / review sessions (24 - 36 contact hours per course), and activities include case studies, practical exercises, demonstrations, and the preparation of assignments and reports. The courses are assessed through submitted course work. Assessment is 100% continuous coursework assessment of drawings, diagrams, photos, renderings, animations, physical models, prototypes and project presentation (up to 5,000 words for the whole course).

|          |                         |             |
|----------|-------------------------|-------------|
| ARCH1020 | Visual Communications 1 | (6 credits) |
| ARCH2045 | Visual Communications 2 | (6 credits) |
| ARCH2053 | Visual Communications 3 | (6 credits) |

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### **Disciplinary Electives**

(6 credits requiring approximately 120-180 hours of student learning activities per course)

Disciplinary electives offer students the opportunity to gain advanced knowledge in a chosen area of study. The topics offered fall within the categories of building technology, visual communication, and history and theory. Not only will students receive specialized knowledge through lectures, they will also acquire knowledge through research methodologies, as well as interactive learning and active engagement. The themes of these courses will cover contemporary and emergent issues.

|          |   |
|----------|---|
| ARCH3051 | Advanced Topics in Architectural History and Theory (6 credits) |
| ARCH3052 | Advanced Topics in Building Technology (6 credits)              |
| ARCH3053 | Advanced Topics in Visual Communication (6 credits)             |

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### First Year of Study

[First Semester courses]

|  |              |
|--|--------------|
| - Introduction to Architectural Design | (12 credits) |
| - Visual Communications 1              | (6 credits)  |
| - Building Technology 1                | (6 credits)  |
| - English Language Enhancement course  | (3 credits)  |
| - Chinese Language Enhancement course  | (3 credits)  |

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|                                       |              |
|---------------------------------------|--------------|
| [Second Semester courses]             |              |
| - Architectural Design 1              | (12 credit)  |
| - Architectural History and Theory 1  | (6 credits)  |
| - 2 Common Core courses               | (12 credits) |
| - English Language Enhancement course | (3 credits)  |

### Second Year of Study

|                                      |              |
|--------------------------------------|--------------|
| [First Semester courses]             |              |
| - Architectural Design 2             | (12 credits) |
| - Visual Communications 2            | (6 credits)  |
| - Building Technology 2              | (6 credits)  |
| - Architectural History and Theory 2 | (6 credits)  |

|                                      |              |
|--------------------------------------|--------------|
| [Second Semester courses]            |              |
| - Architectural Design 3             | (12 credits) |
| - Visual Communications 3            | (6 credits)  |
| - Building Technology 3              | (6 credits)  |
| - Architectural History and Theory 3 | (6 credits)  |

### Final Year of Study

|                                      |              |
|--------------------------------------|--------------|
| [First Semester courses]             |              |
| - Architectural Design 4             | (12 credits) |
| - Building Technology 4              | (6 credits)  |
| - Architectural History and Theory 4 | (6 credits)  |
| - Disciplinary Elective              | (6 credits)  |

|                                      |              |
|--------------------------------------|--------------|
| [Second Semester courses]            |              |
| - Architectural Design 5             | (15 credits) |
| - Building Technology 5              | (6 credits)  |
| - Architectural History and Theory 5 | (6 credits)  |

## **Year 1 Semester 1**

### **ARCH1025 Introduction to Architectural Design (12 credits)**

Introduction to Architectural Design is the first in a two-course sequence forming a comprehensive introduction to the foundation studies of architecture, addressing the core and related issues essential to the training of an architect. The course aims to teach architectural literacy, to develop critical and analytical skills, to enhance visual, spatial and ideological sensibilities with certain emphasis on the presentation of ideas, concepts, and design both in the visual and verbal format. Field trips form an integral part of the course. Assessment: 100% continuous coursework assessment

### **ARCH1019 Building Technology 1 (6 credits) Environmental Science and Engineering in Architecture**

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: 50% continuous coursework assessment and 50% examination

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**ARCH1020 Visual Communications 1 (6 credits)**  
**Representational Forms and Methods**

Visual Communications 1 relates the study of architecture to the study of representational forms and methods. Taught through lectures that introduce fundamentals of visual communication including: grid, line, perspective, movement studies, projection, and composition, the course is a preliminary immersion in the culture of visual studies. Visual Communications 1 also provides students with basic skills and techniques (in freehand drawing, 2D and 3D CAD drawing, laser cutting, model making, Illustrator and Photoshop software) which allow the students to experiment with many of the issues and ideas introduced. Students will be responsible for individual projects which exhibit their grasp of the lecture topics.

Assessment: 100% continuous coursework assessment

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**CAES1101 Communication Course for Architecture Students (3 credits)**

This course provides Architecture students with an opportunity to enhance their linguistic range specifically in describing buildings. The use of terminology is the focus both in short writing tasks and oral presentations. Aspects of presentation skills are practiced and developed using small-group project work and extensive use is made of videotaping for feedback.

Assessment: 100% continuous coursework assessment

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**CARC1001 Practical Chinese Language Course for Architecture Students (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. Comprehensive training of overall language skill including oral communication, grammar, practical writing and Chinese characters.
2. Nurture the ability of critical thinking, creative writing and debate in Chinese.
3. 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**

**ARCH1026 Architectural Design 1 (12 credits)**

Architectural Design 1 is the second in a two-course sequence a comprehensive introduction to the foundation studies of architecture, addressing the core and related issues essential to the training of an architect. The course aims to teach architectural literacy, to

develop critical and analytical skills, to enhance visual, spatial and ideological sensibilities with certain emphasis on the presentation of ideas, concepts, and design both in the visual and verbal format. Field trips form an integral part of the course.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH1025 Introduction to Architectural Design

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**ARCH1024 Architectural History and Theory 1 (6 credits)**  
**Modern Architecture**

This course examines the history of modern architecture, from the apex of the Industrial Revolution to the emergence of post-modernism in the late 1960s. Students will explore modern architecture not as a cohesive or isolated product of any formal school of thought but rather as a complex and contradictory history bound by key formal, theoretical, social, cultural, technological, economic, as well as political moments in time. Throughout the course, students will touch upon two key influences in the development of modern architecture: the key material changes brought about by technology and industrialization as well as received ideas of progress stemming from the utopian legacy of the Enlightenment. This course raises major disciplinary questions, themes, and issues that will reverberate throughout the subsequent Architectural History and Theory curriculum. Content will focus primarily upon the European avant-garde, though parallel architectural developments in both North America and Asia will also be covered.

Assessment: 100% continuous coursework assessment

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**CAES1105 Communication Course for Architecture Students (2) (3 credits)**

This English-in-the-Discipline course follows on from the Semester 1 communication skills course by providing students with further opportunities to enhance their linguistic range specifically in their approach to architectural literacy. Students learn how to analyse architectural readings and texts critically and to engage in focused discussion and debate on related issues. This course also aims to raise students' awareness of cohesion and coherence in formal writing.

Assessment: 100% continuous coursework assessment

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**Two Common Core courses (12 credits)**

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

**ARCH2047 Architectural Design 2 (12 credits)**

Architectural Design 2 is the first in a two-course sequence that focuses on environmental and spatial considerations with emphasis on the integration of building technology in design and the use of digital media in conceptualizing and presenting design ideas. The course aims at developing both an awareness of architecture within a community environment and an ability to apply architectural language in design. A study of a community will be made paying particular attention to its architectural character and context. This study, which includes basic site survey, will form the basis of ensuing design projects, sketch designs and field studies. Field trips form an integral part of the course.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH1026 Architectural Design 1

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**ARCH2045 Visual Communications 2 (6 credits)**  
**Visual Content**

Visual Communications 2 focuses on producing visual content through digital modelling and the communication among a variety of associated digital tools for drafts, analysis, diagrams and fabrication. Based upon the knowledge in geometry and computational logic, this course will construct a series of digital and physical models alongside the design studio projects including topography models out of the information available to the public domain, parametric massing and envelop models with a high degree of precision, communicative models for visualizing information through different format of the visual content, analytical models for design evaluation feedback, and the production models from a series of computer controlled fabrication devices, including the CNC milling machine, the large-format laser cutter, and a three-dimensional printer.

Assessment: 100% continuous coursework assessment

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**ARCH2051 Building Technology 2 (6 credits)**  
**Building Structures**

The course aims provide students with an appreciation and understanding of the behavior of both horizontal spanning as well as vertical structures. The relationships between load carrying mechanisms and various structural and architectural forms will be explored and case studies of significant structures of these types will be discussed and analyzed in relation to architectural planning and design processes. Structural aspects of site investigation, foundations and retaining structures will also discussed within the context of relevant case studies.

Assessment: 100% continuous coursework assessment

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**ARCH2049 Architectural History and Theory 2 (6 credits)**  
**Global Perspectives I**

The purpose of this course is two-fold: to introduce students to the development of major architectural ideas and a selected group of significant architectural monuments in Europe, from ancient times to the nineteenth century, and the unique aesthetic, cultural, and historical issues that frame them; and to present the main issues in the study of architecture and the various methods used to analyze and interpret buildings in various spatial and temporal contexts. Lectures and course content will emphasize key themes of cultural, economic, and political interconnectivity and their impact upon architectural production, not only within Europe, but around the world.

Assessment: 70% continuous coursework assessment and 30% examination

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**Year 2**  
**Semester 2**

**ARCH2048 Architectural Design 3 (12 credits)**

Architectural Design 3 is the second in a two-course sequence that focuses on environmental and spatial considerations with emphasis on the integration of building technology in design and the use of digital media in conceptualizing and presenting design ideas. The course aims at developing both an awareness of architecture within a community environment and an ability to apply architectural language in design. A study of a community will be made paying particular attention to its architectural character and context. This study, which includes basic site survey, will form the basis of ensuing design projects, sketch designs and field studies. Field trips form an integral part of the course.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH2047 Architectural Design 2

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**ARCH2053 Visual Communications 3 (6 credits)**  
**Animate Systems**

Visual Communications 3 examines techniques associated with forming narratives in architecture. Beginning with modelling complex spaces, the focus will be on producing images and presentation line drawings. The course will introduce the concept of digital analysis for environmental and structural systems. The final project consists of an animated series of drawings which will utilize motion studies as a tool of design and discourse.

[Note: Software involved will be Rhino, Grasshopper, Vray, Keyshot, Ecotect, Photoshop, and Illustrator]

Assessment: 100% continuous coursework assessment

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**ARCH2052 Building Technology 3 (6 credits)**  
**Building Sustainability**

This course introduces the ideas of sustainability through the underlying ecological principle of whole systems. Ecological systems by nature are dynamic. Therefore, a critical understanding of the functioning, limitations and requirements of the system are fundamental. Lectures and projects will explore the latent potential of these different systems (whether natural or artifice) and how they effect and are affected by the built environment.

Assessment: 100% continuous coursework assessment

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**ARCH2050 Architectural History and Theory 3 (6 credits)**  
**Global Perspectives II**

The purpose of this course is two-fold: to introduce students the development of major architectural ideas and a selected group of significant architectural monuments in East, South, and Southeast Asia, from ancient times to the nineteenth century, and the unique aesthetic, social-cultural, technological and historical issues that frame them; and to present the main issues in the study of architecture and the various methods used to analyze and interpret buildings in various spatial and temporal contexts. Lectures and course content will emphasize key themes of cultural, economic, and political interconnectivity and their impact upon architectural production, not only within Asia, but around the world.

Assessment: 100% continuous coursework assessment

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**Year 3**  
**Semester 1**

**ARCH3045 Architectural Design 4 (12 credits)**

Architectural Design 4, a capstone experience in the BAAS program, is the first in a two-course sequence that places emphasis on the development of a design ability to organize building processes of medium complexity within a social and economic framework and in the environmental context of Hong Kong. The course culminates with a comprehensive design project in depth and is assessed by an oral examination. Other design projects, measured drawings and sketch designs supplement the main coursework. Field trips form an integral part of the course.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH2048 Architectural Design 3

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**ARCH3049 Building Technology 4 (6 credits)**  
**Building Integration**

Building Integration examines the architecture of integrated building systems. This course introduces methods of integration and procedures for analyzing building systems in relation to specific environmental considerations, architectural design, construction, and building life-cycle operations. Students will study exemplary case studies to understand how they work as integral buildings, what went into their consideration, and what they add to the accumulated knowledge of contemporary architectural practice. Emphasis is placed on understanding how successful integration brings all building components together in a sympathetic way - while reinforcing the synergy of the whole without sacrificing the integrity of the individual building components. Workshops, site visits, and direct engagement with local expert practitioners will form an essential part of this course. Students shall prepare analytical drawings which explore methods of building integration through appropriate selection, configuration, and combination of architectural technologies within their design studio projects.

Assessment: 100% continuous coursework assessment

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**ARCH3047 Architectural History and Theory 4 (6 credits)**  
**The City**

This course is intended to introduce students to the scholarly study of the city, from ancient Greece to the Shenzhen Special Economic Zone. Understanding the city as a global entity shaped by dynamic and ever-changing cultural, industrial, political and social processes forms a major goal of the course. Each lecture will be devoted to the examination of several key case-studies in coordination with an important concept or methodological concern in the study of the built environment. Recognizing how these processes manifest themselves spatially, and how they impact both architectural and urban form and development over time, constitutes another major course objective. Students will be expected to complete a final research project on a topic related to a city of their own choosing.

Assessment: 100% continuous coursework assessment

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**DISCIPLINARY ELECTIVE (6 credits)**

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**Year 3**  
**Semester 2**

**ARCH3046 Architectural Design 5 (15 credits)**

Architectural Design 5, a capstone experience in the BAAS program, is the second in a two-course sequence that places emphasis on the development of a design ability to organize building processes of medium complexity within a social and economic framework and in the environmental context of Hong Kong. The course culminates with a comprehensive design project in depth and is assessed by an oral examination. Other design projects, measured drawings and sketch designs supplement the main coursework. Field trips form an integral part of the course.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH3045 Architectural Design 4

**ARCH3050 Building Technology 5 (6 credits)**  
**Building Construction and Practice**

This course has its focus on the thorough relationship of building materials and technology with architectural design and practices. It explains various design theories as reflected in general architectural design and detailing. Topics of building types and building enclosure are identified with reference to both local and international examples. Documentation of technical documents and stages of practices in accordance with the Hong Kong Institute of Architects are interpreted.

Assessment: 100% continuous coursework assessment

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**ARCH3048 Architectural History and Theory 5 (6 credits)**  
**Contemporary Issues in Architecture**

This course examines key discursive issues that impact architecture and the built environment today. Emphasis will be placed on understanding contemporary challenges in architectural practice and theory and their origins vis-à-vis the continuation, diversification, and transformation of the modernist tradition over the course of the last century leading up to the millennium. Major issues to be addressed include the inextricable relationship between architecture and the global-local context, the digital revolution, the conservation of urban and cultural heritage, public housing, sustainability and the impact of the impending energy crisis upon future urban development, and the interconnectedness of architecture and other disciplines. Multidisciplinary discourses on mass culture, globalization, place-making, identity and post-colonialism will also be introduced.

Assessment: 100% continuous coursework assessment

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**DISCIPLINARY ELECTIVE COURSES**

**Students can choose to take the disciplinary elective courses from this approved list only:**

**ARCH3051 Advanced Topics in Architectural History and Theory (6 credits)**

This course gives students an opportunity to explore advanced topics in Architectural History and Theory in an intensive manner. Organized around research projects, the course is taught in smaller class sizes and organized around seminars and student presentations.

Assessment: 100% continuous coursework assessment

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**ARCH3052 Advanced Topics in Building Technology (6 credits)**

This course gives students an opportunity to explore advanced topics in Building Technology in an intensive manner. Organized around research projects, the course is taught in smaller class sizes and organized around seminars and student presentations.

Assessment: 100% continuous coursework assessment

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**ARCH3053 Advanced Topics in Visual Communication (6 credits)**

This course gives students an opportunity to explore advanced topics in Visual Communication in an intensive manner. Organized around research projects, the course is taught in smaller class sizes and organized around seminars and student presentations.

Assessment: 100% continuous coursework assessment

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