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 2011-12.

Students entering the 3-year Bachelor of Arts in Architectural Studies curriculum in the academic year 2011-12 will take 153 credits of core courses, 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 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 (ranging from 40% to 100%) and examination (ranging from 0%- 60%).

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

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)

    [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)

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[1]	9 credits
Two 6-credit courses in the Common Core Curriculum with not more than one course from one Area of Inquiry	12 credits

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.

---

[1] Putonghua-speaking students should take CUND0002 or CUND0003. Students who have not studied Chinese language during their secondary education / who have not attained the requisite level of competence in the Chinese language to take 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.

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 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 (6 credits)

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 (40%-100%) and examination (0%-60%). 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 (6 credits)

These courses explore issues of materials, construction, structures and environment as they relate to the built environment. 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 (40%-100%) and examination (0%- 60%). 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 (6 credits)

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 various 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)

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

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 A 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 is by 100% continuous coursework assessment

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 is by 100% continuous coursework assessment

CARC1001 PRACTICAL CHINESE LANGUAGE COURSE FOR ARCHITECTURE STUDENTS (3 credits)
建築學院實用中文課程

中國語文科為建築學院學生必修科目，有別於一般基礎國文培訓，本課程著重培養學員綜合、融通、品鑒之能力。課程以口語傳意、語法知識、應用寫作及漢字流變為基礎，配以論辯思維、文學欣賞、書法美學等高階語藝及美學陶鑄，以求深化學識、厚化學養。

修畢課程，學員能鞏固聽說讀寫能力，融通漢語結構及漢字流變的知識。提升中文傳意能力至演辯批判、文辭欣賞、美學品鑑層次。

課程形式以傳統之大課及導修以外，亦加入校外考察及工作坊等學習經歷。評分則以考試、導修、報告、功課進行。

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

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

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

2. 強化學生口語傳意、語法基礎、應用寫作及漢字流變的知識，深化學生的基礎學養、亦厚化其論辯思維。
Nurture the ability of critical thinking, creative writing and debate in Chinese.
3. 重視美感陶鑄，課程加入文學欣賞、書法美學。
Enhance the appreciation of Chinese literature and calligraphy aesthetics.

Assessment is by 50% continuous coursework assessment and 50% examination

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 is by 100% continuous coursework assessment

Prerequisite: ARCH1025 INTRODUCTION TO ARCHITECTURAL DESIGN

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

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.

Assessment is by 100% continuous coursework assessment

TWO COMMON CORE COURSES (12 Credits)

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 is by 100% continuous coursework assessment

Prerequisite: ARCH1026 ARCHITECTURAL DESIGN 1

ARCH2045   VISUAL COMMUNICATIONS 2 (6 credits)
              Material Culture
Visual Communications 2 focuses on digital modelling and fabrication. By manipulating and controlling information available in the public domain, models will be constructed to form a landscape out of the pre-existing mapped urban environment. Developing the information further, a three-dimensional computer model will be constructed to produce objects with a high degree of precision. By manufacturing the model from a series of computer controlled fabrication devices, including the CNC milling machine, the large-format laser cutter, and a three-dimensional starch printer, highly precise physical models will be produced.

Assessment is by 100% continuous coursework assessment

ARCH2051   BUILDING TECHNOLOGY 2 (6 credits)
              Building Systems
Principles of building systems and environmental considerations are taught, and their relationship with architectural planning and design are discussed. Case studies, site visits and significant integration with design studio projects are essential parts of this course.

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

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

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 is 100% continuous coursework assessment

Prerequisite: ARCH2047 ARCHITECTURAL DESIGN 2

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 a three dimensional model of geometric efficiently in order to control the time required to construct and render a project of substantial size. The final project consists of an animation which will utilize motion as a tool of design and discourse.

Assessment is 100% continuous coursework assessment

ARCH2052   BUILDING TECHNOLOGY 3 (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 is by a combination of continuous coursework assessment (40%-100%) and examination (0%- 60%)

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

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 is 100% continuous coursework assessment

Prerequisite: ARCH2048 ARCHITECTURAL DESIGN 3

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 is 100% continuous coursework assessment

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 is 100% continuous coursework assessment

DISCIPLINARY ELECTIVE (6 credits)

Year 3
Semester 2

ARCH3046   ARCHITECTURAL DESIGN 5 (15 credits)

Architectural Design 5, a capstone experience I 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 is 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 is 100% continuous coursework assessment

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 is 100% continuous coursework assessment

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 is 100% continuous coursework assessment

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 is 100% continuous coursework assessment

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 is 100% continuous coursework assessment