

**SYLLABUSES FOR THE DEGREE OF
BACHELOR OF ARTS IN LANDSCAPE STUDIES
BA[LS]**

AR46/714

These syllabuses are applicable to candidates admitted under the 4-year '2012 curriculum' to the first year of the Bachelor of Arts in Landscape Studies in 2012-13.

Students entering the 4-year Bachelor of Arts in Landscape Studies curriculum in the academic year 2012-13 will take a professional core of 174 credits (including 150 credits of core courses and 24 credits of Faculty Foundation courses), plus a total of 18 credits in language, 36 credits of Common Core courses, and 12 credits of electives, totalling 240 credits for the 4-year curriculum.

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

University Requirements

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

(i) One 6-credit course in Core University English ¹ ; one 6-credit course in English language enhancement; and one 6-credit course in Chinese language enhancement ²	18 credits
(ii) Six 6-credit courses in the Common Core Curriculum, selecting not more than one course from the same Area of Inquiry within one academic year and at least one and not more than two courses from each Area of Inquiry during the whole period of study	36 credits

Faculty Requirements

24 credits of compulsory Faculty requirements which must be completed successfully:

Four 6-credit Faculty Foundation courses - Introduction to Building Technology - Visual Culture - Housing and Cities	24 credits
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¹ Candidates who have achieved Level 5** in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent, may at the discretion of the Faculty be exempted from this requirement and should take an elective course in lieu, see UG6 of the Regulations for First Degree Curricula.

² Putonghua-speaking students should take CUND9002 or CUND9003. 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 CARC9001 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.

- Sustainability and the Built Environment	
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Professional Core of Landscape Studies

The Landscape 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 credits. The Design Studio, and Visual Communications courses are assessed through 100% continuous coursework assessment. Courses on History and Theory, Science, and Technology are assessed through a combination of continuous coursework assessment (ranging from 40% to 100%) and examination (ranging from 0%-60%).

Landscape Design courses

(12 credits requiring approximately 300-360 hours of student learning activities per course in one semester)

These courses engage students in practical problem-solving design exercises in landscape architecture under staff guidance and supervision. The projects are closely related to concurrent course work and seek to develop student’s knowledge of key landscape theories and concepts, as well as giving them practical experience in technical issues. In addition to major projects, sketch design problems are set to teach students to produce and express landscape designs with reason, imagination and sensitivity.

Teaching is conducted in two to three four-hour design studio sessions per week (total 96-144 contact hours), 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, field trips and practical workshops are required.

Assessment is by 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).

ARCH2101	Introduction to Landscape Design Studio	(12 credits)
ARCH2102	Landscape Design Studio 1	(12 credits)
	(Pre-requisite: Introduction to Landscape Design Studio)	
ARCH3101	Landscape Design Studio 2	(12 credits)
	(Pre-requisite: Landscape Design Studio 1)	
ARCH3104	Landscape Design Studio 3	(12 credits)
	(Pre-requisite: Landscape Design Studio 2)	
ARCH4701	Landscape Design Studio 4	(12 credits)
	(Pre-requisite: Landscape Design Studio 3)	
ARCH4704	Landscape Design Studio 5	(12 credits)

(Pre-requisite: Landscape Design Studio 4)

Landscape History and Theory courses

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

Collectively these courses examine the theories and practice of landscape architecture through a comparative study of the history of landscape architectural design and urbanism, in various geographic and cultural contexts. Key issues are explored in more detail through the work of contemporary practitioners and current trends are assessed to see where the future of landscape architecture might lie.

Teaching is conducted in lectures / workshops / tutorials / review sessions (36-48 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 may be assessed through a combination of examination (0%-60%) and continuous coursework assessment (40%-100%). Continuous coursework 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.

ARCH2103	History of Landscape Design	(6 credits)
ARCH3103	Environment, Community & Design	(6 credits)
ARCH3105	Theories and Practices of Contemporary Landscape Architecture	(6 credits)
ARCH4703	Landscape & Design in China	(6 credits)
ARCH4705	Strategic Landscape Planning	(6 credits)

Landscape Technology & Science courses

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

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 / tutorials / review sessions (36-48 contact hours per course), and activities include site visits, case studies, practical demonstrations, detailed design exercises and the preparation of assignments and reports. Work is regularly presented and discussed in critical review sessions.

These courses also explore the hard science behind landscape architecture and give students a thorough grounding in the knowledge that underpins their design work. Students learn the basics of plants, including their physiology, ecology and design application, together with the related soil science and planting technology. They also gain an understanding of hard landscape

including the principle and application of site grading, drainage, structures, and the properties and uses of materials in landscape construction.

The courses are assessed through a combination of continuous coursework assessment (40%-100%) and examination (0%-60%). Continuous coursework 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).

ARCH2056	Building Technology 1	(6 credits)
ARCH3102	Technology in Landscape Architecture	(6 credits)
ARCH3106	Plants & Planting Design 1	(6 credits)
ARCH4702	Plants & Planting Design 2	(6 credits)
ARCH4706	Ecology & Sustainability	(6 credits)

Visual Communications courses

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

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 video media.

Teaching is conducted in lectures / workshops / tutorials / review sessions (36-48 contact hours per course), and activities include case studies, practical exercises, demonstrations, and the preparation of assignments and reports. 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).

ARCH2055	Visual Communications 1	(6 credits)
ARCH3056	Visual Communications 2	(6 credits)
ARCH3107	Visual Communications for Landscape Architects	(6 credits)

Elective courses

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

The BA(LS) curriculum requires that BA(LS) students complete elective courses, totaling a minimum of 12 credits. Guidance will be provided by Programme Staff to ensure appropriate elective selection within the BA(LS) curriculum or other courses within the University.

In lieu of one elective course, students can also do either an independent field study or an independent research project as an “independent study in landscape studies”, on a topic of their interest, with approval from the Programme Director. These courses are assessed through 100% continuous coursework assessment by various methods including research reporting, progress presentations and the final report submission.

ARCH4707	Advanced Topics in Landscape History & Theory	(6 credits)
ARCH4708	Advanced Topics in Landscape Technology	(6 credits)
ARCH4709	Advanced Topics in Landscape Representation	(6 credits)
ARCH4710	Landscape Practicum	(6 credits)
ARCH4711	Independent Study in Landscape Studies	(6 credits)

First Year of Study

[First semester courses]

- Sustainability and the Built Environment (6 credits)
- Visual Culture (6 credits)

- 2 Common Core courses (12 credits)
- Core University English (6 credits)

[Second semester courses]

- Housing and Cities (6 credits)
- Introduction to Building Technology (6 credits)

- Chinese Language Enhancement Course (6 credits)
- 2 Common Core courses (12 credits)

Second Year of Study

[First semester courses]

- Introduction to Landscape Design Studio (12 credits)
- Visual Communications 1 (6 credits)
- Building Technology 1 (6 credits)
- English language enhancement course (6 credits)

[Second semester courses]

- Landscape Design Studio 1 (12 credits)
 - History of Landscape Design (6 credits)
 - 2 Common Core courses (12 credits)
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Third Year of Study

[First semester courses]

- Landscape Design Studio 2 (12 credits)
- Technology in Landscape Architecture (6 credits)
- Theories and Practices of Contemporary Landscape Architecture (6 credits)
- Visual Communications 2 (6 credits)

[Second semester courses]

- Landscape Design Studio 3 (12 credits)
- Environment, Community & Design (6 credits)
- Plants & Planting Design 1 (6 credits)
- Visual Communications for Landscape Architects (6 credits)

Final Year of Study

[First semester courses]

- Landscape Design Studio 4 (12 credits)
- Plants & Planting Design 2 (6 credits)
- Landscape Design in China (6 credits)
- Elective (6 credits)

[Second semester courses]

- Landscape Design Studio 5 (12 credits)
- Strategic Landscape Planning (6 credits)
- Ecology & Sustainability (6 credits)
- Elective (6 credits)

Course Description

Year 1

Semester 1

ARCH1028 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

ARCH1027 Visual Culture (6 credits)

This course introduces students to visual literacy and visual thinking. Critical thinking, visual analysis and reflection on personal experience will be emphasized. Students will develop creative observations through taxonomies of visual grammars; and understand their active participation as both consumer and producer in the world of visual culture. Students will explore a broad introduction to art history and visual culture, introducing key themes, figures, and movements.

Assessment: 100% continuous coursework assessment

CAES1000 Core University English (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. Students will also complete four online-learning modules through the Moodle platform on academic grammar, academic vocabulary, citation and referencing skills and understanding and avoiding plagiarism. This course will help students to participate more effectively in their first-year university studies in English, thereby enriching their first-year experience.

Assessment: 60% continuous coursework assessment and 40% examination

Two Common Core courses (12 credits)

Year 1

Semester 2

RECO1200 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

RECO1201 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

CARC9001 Practical Chinese for Architecture and Landscape Students (6 credits)

The main objective of this course is to enhance the students' command of Chinese for the architecture 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 architecture.

Aims and Objectives

1. Demonstrate ability in using effective spoken and written language skills required for daily life communication, surveying & architecture related professions and academic studies.
2. Reflect on their language learning experience and devise strategies for further improvement
3. Have in-depth oral presentation, discussion and debating skills.
4. Have an overall understanding between language and cultural concepts.
5. Have a better awareness and sensitivity toward language usage, critical thinking and aesthetic quality.

Assessment: 50% continuous coursework assessment and 50% examination

Two Common Core courses (12 credits)

Year 2
Semester 1

ARCH2101 Introduction to Landscape Design Studio (12 credits)

The first Landscape Studio course engages students in exploring the two and three-dimensional aspects of landscape design under staff guidance and supervision. Students will investigate the creative process, spatial hierarchy, materiality, and conceptual development through a series of design exercises. The projects are closely related to concurrent course work and seek to develop student's knowledge of key landscape theories and concepts. In addition to major projects, sketch design problems are set to teach students to produce and express landscape designs with reason, imagination and sensitivity. Teaching is conducted in the design studio in both group and individual formats, and work is regularly presented and discussed in critical review sessions. Field trips are required. Introduction to Landscape Design Studio is focused on the use of hand drawn graphics and physical models as the basis of design communication.

Assessment: 100% continuous coursework assessment

ARCH2056 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: 100% continuous coursework assessment

ARCH2055 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 ways to communicate their design issues and ideas. Students will be responsible for individual projects which exhibit their grasp of the lecture topics.

Assessment: 100% continuous coursework assessment

CAES9120 Communication Course for Architecture Students (6 credits)

This English-in-the-Discipline course aims to complement the Design Studio component as well as the core curriculum of the Architecture degree programme. The focus is on the language & communication skills required to facilitate students' approach to architectural literacy.

Through spontaneous speaking tasks on their personal and social experience of architecture in HK and through critical reading & discussion of selected texts, students will focus on the language needed to express their views on architectural issues.

The out-of-class learning component of the course will supplement the main aims by consolidating students' use of architectural vocabulary and enhancing cohesion in their writing. Students will be encouraged to take responsibility to improve their own language skills in future through tutor feedback and by exploring sources of grammatical & lexical input.

Assessment: 100% continuous coursework assessment

Year 2**Semester 2****ARCH2102 Landscape Design Studio 1 (12 credits)**

The Second Semester Landscape Studio continues the exploration of landscape design under staff guidance and supervision. In this studio, students investigate the spatial, experiential and temporal aspects of landscape design through various design exercises with an emphasis on developing visual thinking skills. Projects introduce a variety of site inquiry methods at a site scale that require students to consider users, programming and context in their design. Teaching is conducted in the design studio in both group and individual formats, and work is regularly presented and discussed in critical review sessions. Field trips are required. Landscape Design Studio 1 continues to emphasise the use of hand drawn graphics as the basis of design communication.

As part of this course, students are required to undertake a one week (self-funded) overseas study tour. This offers an opportunity to see and experience some of the finest historic and contemporary examples of the work of landscape architects in Asia, and to meet with and question local landscape practitioners, government administrators, academics and other specialists in the landscape field. It greatly helps students to expand their knowledge of landscape and its role and value within the built and natural environment. The tour reinforces students' understanding of theories and practice in landscape architecture taught in related courses. This study tour is located within Asia and the itinerary and content is developed by the students themselves based on comprehensive research and planning. Students are also required to undertake the logistical preparation and organization of the tour as a first hand practical exercise.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH2101 Introduction to Landscape Design Studio

ARCH2103 History of Landscape Design (6 credits)

This course examines international landscape design concepts and trends as observed over history from prehistoric periods to contemporary projects. Significant figures and outstanding works of landscape architecture are examined through the lens of geographic, cultural, and historical contexts. In addition, the basic principles of aesthetics in landscape are introduced, discussing our psychological response to our living environments, questioning the systems we adopt to understand and value our surroundings, including discussion of theories on natural preference and experiential influences. It examines the role of identity and meaning in landscape design. Students might be required to participate in a week-long field trip abroad (self-funded) for research and site visits, or overseas exchanges with partnering institutions. Continuous coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

Two Common Core courses (12 credits)

Year 3**Semester 1****ARCH3101 Landscape Design Studio 2 (12 credits)**

Landscape Design Studio 2 further develops the student's ability to research, analyse, conceptualise and present integrated and meaningful designs for site-scale landscape projects. The scale of projects increases with a focus on site planning with the integration of multiple factors which shape our physical landscapes including ecology, hydrology, and climate, with special attention being paid to biophysical characteristics of the site. Projects and design problems further test and develop student's ability to create and articulate landscape design solutions, increasingly under time constraints. Computer drafting and graphic techniques are introduced in this studio to aid design communication. Local or overseas fieldtrips are required for research, site visits, or exchanges with partnering institutions. Continuous coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH2102 Landscape Design Studio 1

**ARCH3105 Theories and Practices of Contemporary (6 credits)
Landscape Architecture**

The course critically examines contemporary landscape architecture through the study of recent critical texts on topical subjects and the review of significant landscape projects from around the world. Students are encouraged to develop an awareness of the underpinning theories, philosophies, approaches and techniques of contemporary landscape practitioners, and the evolution of trends in landscape design. Particular emphasis is placed on landscape design in China, Korea and Japan, and the differences with current landscape design movements in North

America and Europe. The course introduces students to the practices and processes of working professionals as a reference framework for their design and technical studies, through the examination of the work and professional procedures of landscape architects. Continuous coursework assessment includes written essays, study reports and practical exercises.

Assessment: 100% continuous coursework assessment

ARCH3102 Technology in Landscape Architecture (6 credits)

This course addresses technological issues fundamental to landscape design with an emphasis on site engineering. The course will explore the concept of landform and grading in design through the understanding of topography in history, art, and landscape design. Students will acquire a deeper understanding of how grading can inspire their designs, and how people will experience their landscapes. This understanding is supported through a series of technical design exercises including surveying techniques, manipulation of contours, grading terminology and formulas, drainage patterns, and accessibility issues. Continuous coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

ARCH3056 Visual Communications 2: Material Culture (6 credits)

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: 100% continuous coursework assessment

Year 3 Semester 2

ARCH3104 Landscape Design Studio 3 (12 credits)

The Landscape Design Studio 3 course continues to develop student's landscape design skills through a variety of increasingly complex and challenging landscape architectural design assignments. The scale of projects increases with a focus on site planning with the integration of multiple factors which shape our physical landscapes including society, urban context, and architectural parameters, with special attention being paid to urban conditions. Projects and design problems further test and develop student's ability to create and articulate landscape design solutions, increasingly under time constraints. Computer drafting and graphic techniques are introduced in this studio to aid design communication. Local or overseas fieldtrips are required for research, site visits, or exchanges with partnering institutions. Continuous coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH3101 Landscape Design Studio 2

ARCH3103 Environment, Community & Design (6 credits)

Environment, Community & Design are the three tenets of landscape architecture, and this course examines how landscape architecture can generate sustainable design responses that negotiate between communities and their environments. The course explores the social and behavioural aspects of landscapes through the understanding of community identity and self, neighbourhood, common ground and ownership of the public realm, environmental psychology and third place. The course will focus on developing design principles as they relate to cultural practices, social behaviour, and community building through the medium of landscape. Various approaches to community engagement and participation within the design process will also be introduced. The mode of assessment would be 100% continuous coursework assessment, comprising detailed case studies and research assignments, community mapping and design exercises with existing community groups in Hong Kong.

Assessment: 100% continuous coursework assessment

ARCH3106 Plants & Planting Design 1 (6 credits)

This course is designed to give students a comprehensive knowledge in plants, landscape planting design and management. It focuses on learning a core palette of plant species and their characteristics, for use in landscape planting in the region and developing student's understanding of the underlying fundamentals of botany, plant physiology, and taxonomy. The course also examines techniques in plant propagation and horticultural care. The functional applications of plants including environmental improvement, ornamental, medicinal, cultural and other uses in landscape planting design, are explored within both historical and contemporary schemes. Students are introduced to a systematic approach to planting design and some of the basic technical, administrative and management aspects of landscape planting.

Assessment: 50% continuous coursework assessment and 50% examination

ARCH3107 Visual Communications for Landscape Architects (6 credits)

This course will introduce representation techniques and theories unique to landscape architecture. It will expand the fundamental relationships between dynamic landscape processes and methods in which they are understood, conveyed, and visually communicated. It will focus on representation as a research and design tool through the investigation of time-based landscape and urban operations, processes, and systems analytics. The course will cover a range of visual representation techniques from methods of mapping, illustrating time-based process, synthesizing bio-physical and human processes to depiction of proposed strategies and alternative futures. Students will be exposed to a variety of media such as analog techniques, digital 2D representation, digital modelling, rendering, film, and Geographic Information Systems. Students will be responsible for individual projects which exhibit their grasp of the lecture topics.

Assessment: 100% continuous coursework assessment

Year 4

Semester 1

ARCH4701 Landscape Design Studio 4 (12 credits)

The Landscape Design Studio 4 course is taught in the Faculty's Shanghai Study Centre, and students are required to reside in Shanghai for the duration of the course. The design projects focus on the interrelationships of landscape systems and the urban region of Shanghai to develop a critical understanding of its social, political, and ecological context. The studio develops student's landscape design skills through a variety of increasingly complex and challenging landscape architectural design assignments at an urban design scale. Projects call for integration of multiple factors which shape our physical landscapes including ecology, society, urban context, and architectural parameters, with special attention being paid to the Chinese local and regional characteristics. These investigations will foster a critical position about the current urban development models in China that could inform new landscape strategies and alternate futures for the city. Projects and design problems further test and develop student's ability to create and articulate landscape design solutions, increasingly under time constraints. Computer graphic techniques are increasingly used for design communication. Fieldtrips are required for research, site visits, or exchanges with partnering institutions. Coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

Prerequisite: ARCH3104 Landscape Design Studio 3

ARCH4702 Plants & Planting Design 2 (6 credits)

The second course in Plants and Planting Design looks at the application of plant species in a variety of contexts. Planting design issues such as urban trees, thematic planting, ecological design and self sustaining plant communities are introduced. It investigates advanced landscape planting techniques including vertical green wall systems, roof gardens, and amenity turf grass. Technical design considerations of contract documentation, plant specification, and quality control, are discussed. A detailed review is made of the horticultural nursery and landscape construction industries within the region, looking at practical issues of plant production, delivery and handling, site preparation, planting site construction, and horticultural maintenance. The course extends students' understanding of plants and planting design, by examining issues within different climatic zones, building an understanding of plant distribution and use on a regional and global scale, developing a more contextual approach to plant species selection and planting design and working in unfamiliar environments. Coursework comprises technical design exercises, field trips, site visits, and study reports.

Assessment: 50% continuous coursework assessment and 50% examination

ARCH4703 Landscape & Design in China (6 credits)

This survey course will introduce contemporary design in China through landscape and related design fields such as art, fashion, graphic, industrial, stage, film and furniture design. Students will be exposed to issues of culture, technology, consumption, the environment, rapid urbanization, and other contemporary or historic forces in China that shape the contemporary landscapes and related creative practices. Students engage with leading Chinese designers in each of the fields and study relevant contemporary projects to determine how issues of Chinese identity and community are being expressed and developed. This helps students to broaden their understanding of landscape design and introduces them to a wide range of new subjects, materials and techniques that can be used to inspire innovation and creativity in landscape design. Some topics include: the appropriation of the theories and symbolism of the Chinese garden tradition in contemporary landscape design; and landscape design in response to contemporary urban, environmental, economic, political and cultural forces in China. Coursework assessment comprises technical research studies, site visit reports, and written papers (up to 5,000 words).

Assessment: 100% continuous coursework assessment

Elective (6 credits)

Year 4**Semester 2****ARCH4704 Landscape Design Studio 5 (12 credits)**

The final design studio is a capstone experience for the demonstration of students' capability in landscape design. Landscape Design Studio 5 further develops the student's ability to research, analyse, conceptualise and present integrated and meaningful designs for large-scale, multi-faceted development projects, as well as generating quick, innovative and mature design solutions to complex technical problems through a series of design exercises. Emphasis is placed on the application of ecological systems to address landscape planning at a regional scale and the rehabilitation of disturbed sites. The projects will operate at multiple scales from a regional perspective to a local intervention in order for students to acquire the ability to manage and relate designs at various scales. The multi-layers of design projects will further test and develop student's ability to create and articulate landscape design solutions, increasingly under time constraints. The studio will incorporate GIS modelling software to aid in the research and development of the projects. Computer graphic techniques are increasingly used for design communication. Local or overseas fieldtrips are required for research, site visits, or exchanges with partnering institutions. Continuous coursework assessment includes regular technical exercises and assignments, site visits, and study reports.

Assessment: 100% continuous coursework assessment

Pre-requisite: ARCH4701 Landscape Design Studio 4

ARCH4705 Strategic Landscape Planning (6 credits)

Strategic landscape planning involves the mapping, evaluation and management of the landscape on a regional and national scale. This course examines landscape planning from a historical and theoretical point of view, taking examples from around the world. Students look at the definition of landscape character and type, in both urban and rural contexts, and the mapping of landscape value, landscape sensitivity, and visual quality. Students learn how these can form strategic planning tools to guide and inform policy makers on the conservation and management of existing natural and man-made landscape resources, and in the control of development within site specific and regional contexts. Site search methodologies and trans-boundary issues are explored. Continuous coursework assessment includes written essays, research exercises, site visits, study reports and practical exercises.

Assessment: 100% continuous coursework assessment

ARCH4706 Ecology & Sustainability (6 credits)

This course seeks to give students a broad understanding of the elements which combine to form our natural environment, and provide the context and inspiration for landscape architects. Focusing on degraded landscapes, its soils, water, air, and climate, the course systematically investigates the properties of the elements and the natural forces which control them. Ecological mitigation techniques and case studies of successful landscape designs are introduced. The second part of this course develops an understanding of the principles of ecological restoration, the key components and processes in ecological systems, together with key issues of biodiversity, carrying capacity and sustainability. The course investigates issues of brownfields rehabilitation, resource extraction, mitigation, and environmental management. Continuous coursework assessment comprises illustrated lectures, studies on selected topics and field assignments and reports.

Assessment: 50% continuous coursework assessment and 50% examination

Elective (6 credits)

Electives in Landscape Studies**ARCH4707 Advanced Topics in Landscape History & Theory (6 credits)**

This course explores advanced issues in landscape history or theory through the examination of critical texts, research, and writing. Specific topics and offerings will vary based on the instructor's discretion. Continuous coursework assessment includes written essays, research exercises, site visits, study reports and practical exercises.

Assessment: 100% continuous coursework assessment

ARCH4708 Advanced Topics in Landscape Technology (6 credits)

This course explores advanced issues in landscape technology through the introduction of advanced technologies and landscape sciences. Specific topics and offerings will vary based on

the instructor's discretion. Continuous coursework assessment includes written essays, research exercises, site visits, study reports and practical exercises.

Assessment: 100% continuous coursework assessment

ARCH4709 Advanced Topics in Landscape Representation (6 credits)

This course explores advanced issues in landscape representation through the use of various tools, techniques, and theories. Specific topics and offerings will vary based on the instructor's discretion. Continuous coursework assessment includes written essays, research exercises, site visits, study reports and practical exercises.

Assessment: 100% continuous coursework assessment

ARCH4710 Landscape Practicum (6 credits)

This course provides an opportunity for practical experience in landscape architecture through direct engagement in the design and physical construction of built landscape works under the guidance of a Registered Landscape Architect or teacher in the programme. Assessment is based on a detailed log-book/journal, visual documentation, or other learning activities to be submitted at the end of the practicum.

Assessment: 100% continuous coursework assessment

ARCH4711 Independent Study in Landscape Studies (6 credits)

This course incorporates supervised studies on special approved topics in landscape studies by individuals or small groups. Students must obtain approval from the Programme Director and the work must be supervised by a teacher in the programme. Oral presentation and special study reports/papers or other learning activities are required.

Assessment: 100% continuous coursework assessment