

For the purpose of these syllabuses, the teaching of each course will be conducted within one semester.

**SUMMER PREREQUISITE COURSE**

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**ARCH7501. MLA Pre-requisite (3 credits)**

Intensive introductory course in landscape design, aesthetics, and basic skills in two and three dimensional landscape architectural representation.

Assessment: 100% continuous coursework assessment

**FIRST YEAR: CORE COURSES**

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**ARCH7101 & ARCH7102. Landscape planning and design I and II (15 credits each)**

This studio course engages candidates in practical problem-solving exercises in landscape architecture. Projects will call for design integration of the many factors which shape our physical landscapes including ecology, society, urban design, and architectural parameters, with special attention being paid to local and regional characteristics. Besides a major project, sketch design problems are set to train and test candidates' ability to produce and express design concepts with reason, imagination and sensitivity under time constraints. Field trips are required.

Assessment: 100% continuous coursework assessment

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**ARCH7103. Landscape planting I (3 credits)**

One of the core skills of the Landscape Architect is an understanding of horticulture and arboriculture, and their influence on the design process. This course gives students a comprehensive understanding of plant species commonly used in Hong Kong & Southern China, together with a knowledge of their characteristics for use in landscape planting, and the underlying fundamentals of botany, plant physiology, and taxonomy.

The course also introduces the basic principles and vocabulary of planting design. It examines the influence on plant physiology and tolerances, plant form, succession and ecological habitat on plant selection. Students are introduced to basic spatial forms and arrangements of plants, and how these impact on environmental experience. Field study trips provide the opportunity to investigate real examples planting designs and analyse their success/shortcomings.

Assessment: 100% continuous coursework assessment

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**ARCH7104. Landscape technology I (3 credits)**

This course covers the basic theory and practice of site engineering for landscape architects including earthworks, grading, drainage, basic surveying and road alignment. Earth materials, soil mechanics, and site investigation are reviewed as a basis to site engineering operations. Coursework may include regular assignments, site visits, and site study reports.

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**ARCH7105. Landscape technology II (3 credits)**

As a continuation of Landscape Technology I, the second part of this course covers landscape architectural construction materials and landscape architectural construction design and detailing. Retaining walls, outdoor paving, lighting, fountains, and other landscape construction elements are included. Coursework may include regular assignments, site visits, and site study reports.

Assessment: 100% continuous coursework assessment

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**ARCH7106. History and theory of landscape architecture I (3 credits)**

Illustrated lectures are given on the historical development of landscape design in its various cultural contexts. Basic theory of design as related to landscape architecture is dealt with as a basis for the studio course in landscape planning and design. Coursework may include studies on selected topics and a sketchbook assignment.

Assessment: 100% continuous coursework assessment

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**ARCH7107. History and theory of landscape architecture II (3 credits)**

As a continuation of History and Theory of Landscape Architecture I, this course continues to examine the historical development of landscape design in its various geographic and cultural contexts, including recent and contemporary designs. The theory and practice of contemporary landscape architecture are dealt with. Coursework may include studies on selected topics and a sketchbook assignment.

Assessment: 100% continuous coursework assessment

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**ARCH7108. Ecology and design (3 credits)**

This course introduces students to the principles of ecology related to natural and built environments, with special emphasis on the impact of construction and land development on natural processes. This practical knowledge will help to set a foundation for their work in the field of landscape architecture.

Assessment: 75% continuous coursework assessment and 25% examination

**SECOND YEAR: CORE COURSES**

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**ARCH7201 & ARCH7202. Landscape planning and design III and IV (15 credits each)**

This course is a continuation of Landscape Planning and Design I and II, and concludes with a design thesis where a written report is also required. Candidates are required to demonstrate a mature understanding of their chosen topics during an oral examination. Subject to staff approval, a written dissertation may be undertaken in lieu of the design thesis.

Assessment: 100% continuous coursework assessment

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**ARCH7203. Landscape planting II (3 credits)**

The course aims to improve student awareness and knowledge of the principles and techniques relating to the retention, protection, transplanting and management of trees in Hong Kong. Students learn how to prepare tree survey reports and felling applications. They will also be introduced to the various types and forms of landscape maintenance contract as tools in landscape management.

Through a study of the historical use of plants, the course examines the functional applications of plants including environmental improvement, ornamental, medicinal, cultural and other uses in landscape planting design. Through a critical review of historical developments, fashions, and contemporary approaches to planting, students develop an understanding of the key technical, administrative and management aspects of landscape planting.

Assessment: 100% continuous coursework assessment

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**ARCH7204. Computer-aided design methods for landscape architecture I (3 credits)**

*Methods of Fabrication.* By manipulating and controlling information available in the public domain, a model 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 resin printer, a highly precise physical model will be the final output.

Assessment: 100% continuous coursework assessment

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**ARCH7205. Computer-aided design methods for landscape architecture II (3 credits)**

*Animation.* This course examines techniques associated with forming narratives in architecture and landscape 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: 100% continuous coursework assessment

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**ARCH7206. Landscape architectural practice I (3 credits)**

Introduction to the basic principles and approaches to the practice of landscape architecture, including an understanding of professionalism, codes of professional conduct, the nature and scope of services, consultancy appointments, project team members and their roles, the forms and management of consulting practices, tender documents and types of contract for the implementation of landscape works. The course is conducted as a series of focused lectures on specific topics interspersed with panel discussions with leading landscape professionals to explore the application of landscape practice theory in the contexts of local private practice, public offices and working in China.

Assessment: 60% continuous coursework assessment and 40% examination

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**ARCH7207. Landscape architectural practice II (3 credits)**

Practice II provides an introduction to the liabilities and responsibilities of the practicing landscape architect in relation to key areas of the Laws of Tort; Contract; Land; and Environment. The course investigates the role of the landscape architect on site, focusing on the procedures and activities required to manage the construction of a landscape contract and ensure successful realization of the designers vision on site, including aspects on site safety and dispute resolution.

Assessment: 100% continuous coursework assessment

(Choice of elective courses offered by other units of the Faculty of Architecture is subject to prior approval of the Head of the Department in consultation with the respective Programme Directors.)

## **FIRST AND SECOND YEAR: ELECTIVE COURSES**

There are four categories of elective courses offered. Within each of these there are a number of courses which may be available for selection by candidates in the Master's Programme. No more than three courses are to be chosen from any one of the categories.

- I: Landscape History and Theory
- II: Landscape Technologies
- III: Independent Studies
- IV Courses offered by other units in the University, and opened as electives to MLA students (subject to agreement of the Division Head and relevant Programme Directors)

These courses may be taken in either the First or Second Year, subject to availability. Candidates will be guided in the selection of elective courses. Not all of the courses are offered every year and that new courses may be offered in any year.

### **CATEGORY I : LANDSCAPE HISTORY AND THEORY**

#### **ARCH5102. Chinese landscapes (3 credits)**

Beginning with a background survey of the varied landscapes of China - physical, functional, pictorial, cultural aspects - the course proceeds to focus on a unique landscape type: the Chinese Garden. Its tangible elements, both natural and man-made, together with its intentions, poetics and symbolisms will be analyzed, leading to an appreciation of integrated compositions as exemplified by well-known gardens from that historical tradition. Theories on their aesthetics and design as well as their relationship with Chinese architecture, philosophy, literature and painting are also explored and discussed. Coursework includes studies of selected texts, assignments, field visits and written reports.

Assessment: 100% continuous coursework assessment

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#### **ARCH7109. Case studies in contemporary landscape architecture (3 credits)**

Landscape architecture has transformed itself into an intriguing discipline over the past decades with the introduction of new theories and interpretations of land and environment, innovative methods in dealing with brown fields and contaminated sites, and many other new approaches that challenge the conventional perception of how public realm should be.

This course will focus on the landscape projects undertaken in the past ten years worldwide, and use them as case studies to further examine these contemporary theories and see how these pioneering concepts are executed.

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**ARCH7040. Special topics in landscape architecture (3 credits)**

This course explores specific issues and topics in landscape architecture such as: Design and Theory, Urbanism, Landscape Planning, Landscape Technology, Landscape Ecology, and other relevant subjects.

Assessment: 100% continuous coursework assessment

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**ARCH7502. Research seminar in landscape architecture I (3 credits)**

This topical research seminar I provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7503. Research seminar in landscape architecture II (3 credits)**

This topical research seminar II provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7504. Research seminar in landscape architecture III (3 credits)**

This topical research seminar III provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7510. The South America Project: Protected Areas in the Peruvian Amazon (3 credits)**

In collaboration with The South America Project, a research effort spearheaded by Harvard and with a network of institutions in the Americas, this advanced research seminar will undertake a transnational study of intensive rural development, resource extraction, and environmental conservation in two of the world's most biodiverse regions: Western China and the Andean Amazon. The course is aimed at refining research methodologies, narratives, and technologies able to more sustainably coordinate developments of IIRSA (Initiative for Integration of Regional Infrastructure in South America) and raise awareness and local stewardship of regional environmental problems by proposing visionary built works. Critical landscape theory, with literature from such arenas as geography, sociology and ecology, are engaged to create a platform for debates between conservation and equitable development practices. The seminar includes a mandatory field tour of conservation landscapes in Peru over Reading Week. Student research, supplemented by lecture, discussion and workshops, concludes with concise, critical essays and key visualizations.

**CATEGORY II : LANDSCAPE TECHNOLOGIES****ARCH6119. Components of Sustainable Landscape Design (3 credits)**

The course starts with an exploration of the fundamental components of landscape, systematically examining the nature and characteristics of soils, water, air, and plants, together with the natural forces which influence them, and how they combine and interact to form our natural environment. Students see how the elements and forces can be used in practical application to create new landscapes, but also how they can be degraded through mis-use and contamination. They also see how they can provide the context and inspiration for landscape designs.

Assessment: 100% continuous coursework assessment

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**ARCH6120. Introduction of computer-aided design for landscape architecture (3 credits)**

This course provides a study of current computer techniques which can be used by landscape architects as design aids. Two- and three-dimensional drafting, design, and presentation techniques will be covered. Landscape specific techniques such as three-dimensional terrain modelling, site planning and analysis, planting and irrigation, and geographic information systems will be covered. Philosophical and management aspects relating to the technology will also be discussed.

Assessment: 100% continuous coursework assessment

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**ARCH7033. Horticulture and design (3 credits)**

This course deals with horticultural principles and practices in relation to design. It covers the hierarchical nature of the plant kingdom, the physiological relationships between structure and function of plant organs, responses of plants to environmental factors, techniques for plant multiplication, selection of plants suitable for use particularly in urban areas, species interactions and management of landscaped sites in terms of nutritional requirements and control of pests and diseases. Field trips are required.

Assessment: 20-30% continuous coursework assessment and 70-80% examination

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**ARCH7042. Landscape practicum (3 credits)**

This course provides candidates an opportunity for practical experience in landscape architecture in Hong Kong through direct engagement in the design and physical construction of built landscape works under the guidance of a Registered Landscape Architect. Assessment is based on a detailed log-book / journal to be submitted at the end of the practicum.

Assessment: 100% continuous coursework assessment

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**ARCH7511. Architecture and Adaptation: Jakarta (3 credits)**

This research initiative examines the intersections of extreme environmental circumstances and creative design production. Focusing on highly-dense urban locations that face the regular and damaging occurrence of inundation, the studio will document the constituent forces and effects that pose

challenges to design solutions. Relying heavily on situated research, on the ground collaborations, 7 observation and analysis through visual production, students will need to travel to Jakarta and research inundation's effects on its urban, landscape and architectural compositions. The focus is the dual construct of the city and its ecological milieu. Differing from environmental science or ecology, landscape architectural research in this area emphasizes the particular and synthetic interactions of built form, social patterns, and natural systems. The student research will work to define the agency of design within metropolitan and environmental hypercomplexities. It has two aims: to analyze the circumstances of impending disaster through inundation that make this problem central to South East Asian coastal cities; and, to render this condition explicit and spatially specific to sites in Jakarta that we will observe first-hand.

Assessment: 100% continuous coursework assessment

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**ARCH7505. Research seminar in landscape architecture IV (3 credits)**

This topical research seminar IV provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7506. Research seminar in landscape architecture V (3 credits)**

This topical research seminar V provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7507. Research seminar in landscape architecture VI (3 credits)**

This topical research seminar VI provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

**CATEGORY III : INDEPENDENT STUDIES**

**ARCH7034. Independent study in landscape architecture I (3 credits)**

This course incorporates supervised studies on special approved topics in landscape architecture by individuals or small groups. Oral presentations and special study reports/paper are required.

Assessment: 100% continuous coursework assessment

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**ARCH7035. Independent study in landscape architecture II (3 credits)**

This course incorporates supervised studies on special approved topics in landscape architecture by individuals or small groups. Oral presentations and special study reports/paper are required.

Assessment: 100% continuous coursework assessment

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**ARCH7043 Special Topics in Landscape Technology (3 credits)**

This seminar course explores how modern technology changes the ways people interact, how they experience space, and ultimately their perception and understanding of the built and natural environment. These are very critical developments in contemporary societies that would affect the practice of landscape architecture. Students enrolled in this course will engage in the critical analyses of such phenomena.

Assessment: 100% continuous coursework assessment

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**ARCH7044 Special Topics in Landscape Theory (3 credits)**

This seminar course interrogates contemporary issues in critical landscape theory, and related disciplines, and its application across society, landscape and territory. A substantive writing and research component will be developed throughout the term.

Assessment: 100% continuous coursework assessment

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**ARCH7045 Special Topics in Landscape Research (3 credits)**

This seminar course aims to explore the different research methodologies and approaches in dealing with contemporary landscape issues. Students will engage in an understanding of the existing research literature in the landscape field, and should demonstrate how their comprehension of these theories in interpreting and applying to current landscape phenomena.

Assessment: 100% continuous coursework assessment

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**ARCH7508. Research seminar in landscape architecture VII (3 credits)**

This topical research seminar VII provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment

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**ARCH7509. Research seminar in landscape architecture VIII (3 credits)**

This topical research seminar VIII provides students the opportunity to explore specific issues and topics in landscape architecture through a variety research methodologies. An overseas study trip may be required.

Assessment: 100% continuous coursework assessment