

Architecture - Theory/ History (ARCH)

Azrieli School of Architecture and Urbanism Faculty of Engineering and Design

ARCH 1000 [0.5 credit]

Intro. to Architecture

Architecture in the matrix of human conditions: linkages among architecture, fine arts, humanities, social sciences, physical sciences, mathematics and philosophy.

Architectural ideas will be introduced through a discussion of cities, buildings and landscapes. (Core Course).

Lectures three hours a week.

ARCH 1005 [0.5 credit]

Contemporary Society

The relationship of architecture, architectural thought and the architectural profession to the societies in which they exist (and which they must serve). Topics are selected to emphasize key issues. (Elective Course).

Lectures and seminars, three hours a week.

ARCH 2006 [0.5 credit]

The History and Theory of Industrial Design

Theoretical overview including: definitions and dimensions of design and industrial design, its nature and historical evolution; quality; quality aspects in synthetic objects; formal qualities as determinants for categories of design; design methods; design management in industry; professional industrial design and its promotion. Practicing industrial designers are invited to present case studies of their activities. (Elective Course).

Also listed as IDES 1000.

Lectures three hours a week.

ARCH 2101 [0.5 credit]

Industrial Design Analysis

Analysis of various industrial design problems, including: relationship with principal techniques and mass-production technology; uniformity and variety; specialty and versatility in production; tolerances; ergonomics and anthropometrics; industrial design and environment; future industrial design approaches to pollution and resource conservation; adaptation of value-analyses to industrial design. (Elective Course).

Also listed as IDES 1001.

Prerequisite(s): ARCH 2006 or IDES 1000.

Lectures three hours a week.

ARCH 2300 [0.5 credit]

Intro. to Modern Architecture

Architectural and urban ideals of modernism with emphasis upon the development of the avant-garde in the early twentieth century. The phenomenon of modern architecture within the broader framework of the development of western thought. (Core Course).

Precludes additional credit for ARCH 3009.

Prerequisite(s): BAS students require ARTH 1100 and ARTH 1101 or permission of the School. B.Eng.

Architectural Conservation and Sustainability students require ARCC 1202.

Lectures three hours a week.

ARCH 3208 [0.5 credit]

Urban Space Architecture

Design explorations that are directed towards the search for aesthetic form and meaning in urban space, with particular application to the Canadian context. Project-oriented. (Workshop).

Prerequisite(s): permission of the School.

Lecture, seminar, lab or field work six hours a week.

ARCH 3902 [0.5 credit]

Theory of Architecture

Workshop focuses on one specific aspect of architecture in the area of theory and history. Workshop offerings change from year to year. (Workshop).

Prerequisite(s): permission of the School.

Lecture, seminar, lab or field work six hours a week.

ARCH 4002 [0.5 credit]

Canadian Architecture

Canadian architecture from the seventeenth century to the present day, covering both stylistic and technological developments. Building styles, methods, and materials in the context of social and economic conditions and construction techniques. (Theory/History Elective).

Also listed as ARTH 3002.

Precludes additional credit for ARCH 3002.

Prerequisite(s): ARCH 2300 or permission of the School.

Lectures, seminars three hours a week.

ARCH 4004 [0.5 credit]

Architectural Theory

An exploration of architectural intentions in the early period of Western history, with special emphasis on Renaissance treatises and ideas. Architectural intentions in relation to shifting world-views, as a basis of historical interpretation. (Theory/History Elective).

Precludes additional credit for ARCH 3007.

Prerequisite(s): ARCH 2300 or permission of the School.

Lectures three hours a week.

ARCH 4006 [0.5 credit]

Origins of Modernism

Exploration of architectural theories with special emphasis on the European context from the seventeenth century to the late nineteenth century. (Theory/History Elective).

Precludes additional credit for ARCH 3008.

Prerequisite(s): ARCH 2300 or permission of the School.

Lectures three hours a week.

ARCH 4008 [0.5 credit]**Foundations of Modernism**

Major critical perspectives as applied to architecture as a fine art. The debate between classicism and romanticism with consideration of its cultural roots. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4009 [0.5 credit]**Theory of the Avant-Garde**

Exploration of architectural theories with special emphasis on the development of the avant-garde in the early twentieth century, looking at the avant-garde within the larger framework of modernism. (Theory/History Elective).
Precludes additional credit for ARCH 3009.

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4105 [0.5 credit]**Theories of Landscape Design**

Introduction to landscape architecture as the organization of outdoor space. Historical, cultural, economic and political factors as a basis for interpreting spatial organization in urban and rural areas of human settlement. Emphasis on the period from the fifteenth to the nineteenth century. (Theory/History Elective).

Precludes additional credit for ARCH 3105.

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4200 [0.5 credit]**Architectural Conservation Philosophy and Ethics**

Analysis of philosophical theories and related approaches to the material transformation of buildings. Micro-histories in architectural conservation theory and practice; overview of historical and contemporary concepts in architectural conservation. Preservation, restoration, rehabilitation, reconstruction, adaptive re-use, conservation anamnesis, diagnosis.

Precludes additional credit for ARCH 3100 (no longer offered).

Prerequisite(s): third-year standing B.A.S. or third-year status in B.Eng. (Architectural Conservation and Sustainability).

Lectures three hours a week.

ARCH 4201 [0.5 credit]**History of Modern Housing**

Study of housing as a function of social organization, demographics, market demand and public policy. Topics include the evolution of housing form, the role of the state, and the participation of architects in the housing marketplace in the 19th and 20th century. (Theory/History Elective).

Prerequisite(s): third-year standing in the B.A.S. program or permission of the School.

Lectures three hours a week.

ARCH 4204 [0.5 credit]**The Design Professions**

Architecture and design professions in relation to traditional professions and to occupations in art and design. Professions in the development of culture and society; education, career and work; knowledge in the design professions; and the nature of design practice. (Elective Course).

Also listed as SOCI 4204.

Prerequisite(s): third-year standing in the B.A.S. program; fourth-year standing in Sociology; fourth-year standing in the B.A. Honours Architecture/Art History program; or permission of the School.

Seminar three hours a week.

ARCH 4205 [0.5 credit]**User-Building Synopsis**

Projects to develop skills in the analysis of building performance. Examination of occupancy analysis, safety and risk assessment, post-occupancy evaluation, and social impact assessment. (Workshop).

Prerequisite(s): permission of the School.

Lecture, seminar, lab or field work six hours a week.

ARCH 4206 [0.5 credit]**Recycling Architecture in Canada and Abroad**

Concepts of mediating old and new architecture at the scale of the city through to the detail of the construction joint. Issues in sustainability and cultural identity illuminated by recycled architecture and adaptive reuse are explored through readings, drawings and case studies. (Theory/History Elective).

Prerequisite(s): third-year standing in the B.A.S. program or by permission of the instructor or fourth-year standing in the B.Eng. Architectural Conservation and Sustainability program.

Lectures three hours a week.

ARCH 4300 [0.5 credit]**Neo-Classical Architecture**

18 th - and 19 th- century architecture and urban form in Western Europe. Emphasis on the cultural and philosophical framework of rising modernity to illuminate architectural production and theory as well as the development of urban form. (Theory/History Elective).
Precludes additional credit for ARCH 1201 and ARCH 2200.

Prerequisite(s): ARCH 2300 or permission of the School.

Lectures three hours a week.

ARCH 4301 [0.5 credit]**Post-War Architecture**

Theoretical, ideological and artistic debates that have influenced the development of world architecture since 1950. (Theory/History Elective).

Also listed as ARTH 4604.

Prerequisite(s): ARCH 2300 or ARTH 3609 or permission of the instructor.

Lecture or seminar three hours per week.

ARCH 4302 [0.5 credit]**Pre-Columbian Architecture**

Monumental temples of the ancient Mesoamericans are compared with other world traditions at similar levels of cultural development. Selected examples considered in terms of morphology, technology, iconography, social/political context, world view and general architectural theory. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4303 [0.5 credit]**Greek Architecture**

Architecture of Greek antiquity and its relationship to its philosophical, artistic, and mythical contexts. The development of the idea of the city; the presence of architecture within its symbolic landscape. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4304 [0.5 credit]**The Architecture of Rome**

Rome in its classical to late-antique periods. Its founding mythologies and landscape. In-depth analysis of Rome, with special attention to its public buildings. Early Christian architecture within the Roman context. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4305 [0.5 credit]**Medieval Architecture**

Gothic architecture and its relation to its philosophic and artistic predecessors. Special attention to the coexistence of the monastic tradition, late Romanesque building, and new experiments in gothic during this period, marked by intellectual and political ferment. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4306 [0.5 credit]**Renaissance Theory**

The rise of architectural theory within the context of the Italian Renaissance. Canonic texts explored and compared in the context of the architectural developments of the period. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4307 [0.5 credit]**Muslim Architecture**

Historical and theoretical discussions about the architecture of Muslim cultures. Selected sites and monuments from eighth to eighteenth century, covering the vast geography from North Africa to Southeast Asia. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4308 [0.5 credit]**Asian Architecture**

Anthropological history of the architecture of the Near and Far East. The architecture and urban form of Ancient Egypt, Anatolia, Sumer and Persia; ancient China and India. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4309 [0.5 credit]**Mesoamerican Architecture**

Selected works of Mesoamerican architecture in terms of iconography, morphology, technology, function, historical development, and concept. Mesoamerican architectural features compared with other world traditions. Emphasis on design. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4400 [0.5 credit]**Theory**

A survey of the architectural and urban history of a specific culture. These discussions address the present reality of a country, region or city being visited by the fourth year of the program. (Elective Course).

Prerequisite(s): clear standing to fourth year and permission of the School.

Lectures three hours a week.

ARCH 4502 [0.5 credit]**Research and Criticism**

Preparation for the independent research and design work. Work related to the nature of research and criticism in architecture, with emphasis on current issues. (Theory/History Elective).

Lectures and seminars three hours a week.

ARCH 4505 [0.5 credit]**Seminar in Theory and History**

History and theory of architecture. Topics will vary from year to year. Limited enrolment. (Elective Course).

Prerequisite(s): fourth-year standing in the B.A.S. or B.A. (Honours) Architecture/Art History programs, or permission of the School.

Lectures three hours a week.

ARCH 4801 [0.5 credit]**Theory of Architecture**

An aspect of architecture in the area of theory and history. Topics vary from year to year. (Theory/History Elective).

Prerequisite(s): ARCH 2300 or permission of the School.
Lectures three hours a week.

ARCH 4808 [0.5 credit]**Independent Study**

(Elective Course).

ARCH 4900 [0.5 credit]**Directed Reading**

Supervised readings and research projects. Guidelines must be obtained from BAS Academic Advisors prior to registration. (Core course).

Prerequisite(s): fourth-year standing in B.A.S (Philosophy and Criticism).

ARCH 4909 [1.0 credit]**Honours Project**

Students propose a topic of study in Philosophy and Criticism for approval and produce a substantial research project, supervised by BAS faculty. (Core course).

Prerequisite(s): fourth-year standing in B.A.S (Philosophy and Criticism).