

Architecture - Urban (ARCU)

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ARCU 2100 [0.5 credit]

Selected Topics in Urbanism

Seminar in selected topics related to Urbanism at an introductory level.

Lecture and discussion three hours per week.

ARCU 2303 [1.0 credit]

Fundamentals of Urbanism

Through readings, discussions and projects, students will examine a number of the forces that produce the built environment and explore a variety of approaches to documenting, representing, analyzing, organizing and controlling the growth, shape, density, and mix of uses associated with cities.

Includes: Experiential Learning Activity

Precludes additional credit for ARCU 3501 (no longer offered).

Prerequisite(s): ARCS 1005 and ARCS 1105, or permission of instructor.

Eight hours studio, plus one hour lecture per week.

ARCU 3100 [0.5 credit]

The Morphology of the City

Primary structural, spatial and formal organization and elements that characterize the morphology of cities; historical and contemporary significance for architecture and urban design. (Core).

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

Lecture two hours a week and tutorial one hour a week.

ARCU 3203 [0.5 credit]

Landscape Architecture

Practical significance of landscape elements as they relate to built-form by integrating structure and site. (Workshop).

Prerequisite(s): permission of the School.

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

ARCU 3303 [1.0 credit]

Urbanism Studio 1: Urbanism in the Core

Intensification, revitalization, gentrification, brownfield redevelopment, sustainability, development standards, form-based codes, and the larger impact of migration on urban density. Through design, students explore the ramifications of practices, policies, pressures, processes and cultural preferences on the evolving form and function of the urban core.

Includes: Experiential Learning Activity

Precludes additional credit for ARCU 3102 (no longer offered) and ARCU 3301 (no longer offered).

Prerequisite(s): ARCN 2105 and ARCU 2303, and third-year standing in BAS (Urbanism) or permission of the School.

Eight hours studio, plus one hour lecture per week.

ARCU 3304 [1.0 credit]

Urbanism Studio 2: Urbanism on the Periphery

Urbanization, sprawl, growth models, land consumption, containment strategies (smart growth, greenbelts, growth boundaries), edge cities, the Just City, Ecological Urbanism, and informal suburbanization in developed and developing countries. Through design, students explore the impact of practices, pressures, processes and cultural preferences on the expanding city.

Includes: Experiential Learning Activity

Precludes additional credit for ARCU 3101 (no longer offered) and ARCU 3302 (no longer offered).

Prerequisite(s): ARCN 2105, ARCU 2303 and third-year standing in BAS (Urbanism) or permission of the School.

Eight hours studio, plus one hour lecture per week.

ARCU 3405 [0.5 credit]

Urban Design

Project-based workshop investigating current design attitudes and solutions affecting the physical morphology of cities. Formally sophisticated urban design projects.

Various procedures and basic urban design ideas.

(Workshop).

Includes: Experiential Learning Activity

Prerequisite(s): permission of the School.

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

ARCU 3409 [0.5 credit]

City Organization and Planning Processes

Interdisciplinary investigation, analysis and synthesis of the institutions, processes, environments and demography of Canadian cities. Guest lecturers. (Workshop).

Includes: Experiential Learning Activity

Prerequisite(s): permission of the School.

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

ARCU 3902 [0.5 credit]

Urban Studies

A specific aspect of architecture in the area of urban studies. Topics vary from year to year. (Workshop).

Includes: Experiential Learning Activity

Precludes additional credit for ARCU 4103.

Prerequisite(s): permission of the School.

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

ARCU 4103 [0.5 credit]

Cities

The complex reality of individual cities, including Istanbul, Barcelona, Beijing, Mexico City, San Francisco, Mumbai and Johannesburg. Topics include patterns of development, social movements, political conflicts, energy dependence and climate change.

Precludes additional credit for ARCU 3902.

Lecture three hours per week.

ARCU 4300 [0.5 credit]**History of Theories of Urbanism**

Theories of urbanism throughout history; emphasis on schools of post-WWII academic thought. The impact of Marxist theory, location and systems theory; the expanding array of models, tools and techniques that have contributed to various theorizations of urbanism.

Prerequisite(s): ARCU 3100.

ARCU 4303 [1.5 credit]**Urbanism Studio 3: Housing**

Housing as it affects urban form. The design of multi-unit housing in a variety of forms and for a range of demographic groups. After thorough research of applicable codes and bylaws, students engage the design of housing at the site, building and detail level.

Includes: Experiential Learning Activity

Prerequisite(s): ARCU 3303 and ARCU 3304 and fourth-year standing in B.A.S. Urbanism or permission of the School.

Studio twelve hours a week and one hour lecture.

ARCU 4304 [1.0 credit]**Urbanism Studio 4: Global Perspectives**

Urbanization as a global phenomenon. Study of various forms of urbanization and de-urbanization in relation to economic, political and cultural forces. Through design, students explore the (trans)formation of settlements and communities outside of the North American context.

Includes: Experiential Learning Activity

Precludes additional credit for ARCU 4909 (no longer offered).

Prerequisite(s): ARCU 3303 and ARCU 3304 and fourth-year standing in B.A.S. Urbanism or permission of the School.

Eight hours studio, plus one hour lecture per week.

ARCU 4400 [0.5 credit]**City Organization and Planning**

Structure, form and functioning of cities. Infra-structure, facilities and networks, ecosystems, demographic and social organization, government, quality of life, goals and perceptions, urban management, development, regulation and codes, design, planning and policy-making. (Elective Course).

Precludes additional credit for ARCU 3400.

Three hours a week.

ARCU 4500 [0.5 credit]**Human Shelter**

Background factors pertaining to housing in both industrial and developing countries; traditional and contemporary housing approaches; social housing; and people's right to adequate housing. Guest lecturers. (Elective Course).

Precludes additional credit for ARCU 3500.

Three hours a week.

ARCU 4600 [0.5 credit]**Post-WWII Urbanism**

Urban renewal in the post-war period in response to housing shortages, suburbanization, transportation infrastructure and other factors. Gentrification and the emerging form of the post-industrial city, including new urbanism and sustainable communities. Case studies from Canada, Europe and the U.S. (Theory/History Elective).

Prerequisite(s): ARCU 3100 and third or fourth-year standing in the B.A.S. Urbanism program or permission of the School.

Lectures three hours a week.

ARCU 4700 [0.5 credit]**Urban Utopias**

Urban utopias throughout history, with emphasis on the 20th century. Garden Cities, anti-urbanism and radical decentralization, the city in the region, Italian Rationalist cities, Le Corbusier and CIAM, post-WWII New Towns (England, Scandinavia and the US), Sustainable Urbanism.

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

Lectures three hours a week.

ARCU 4801 [0.5 credit]**Topics in Urbanism**

Advanced seminar in selected topics related to urbanism.

Topics may include histories and theories related to urban systems, design, and planning. (Core course).

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

Seminar three hours per week.

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

(Elective Course).

Includes: Experiential Learning Activity

ARCU 4901 [0.5 credit]**Topics in Applied Urbanism**

Advanced investigation into issues related to urbanism and urban form. Topics will vary from year to year.

Includes: Experiential Learning Activity

Prerequisite(s): fourth-year standing in B.A.S. (Urbanism) or permission of Instructor.

Lecture three hours per week.