

Architecture - Urban (ARCU)

Azrieli School of Architecture and Urbanism Faculty of Engineering and Design

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).

Precludes additional credit for ARCH 2004, ARCH 4100, and ARCU 4100.

Prerequisite(s): permission of the School of Architecture.
Lectures three hours 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 in Practice 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.

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

Prerequisite(s): ARCN 2105, ARCU 3405 or ARCU 3501, and third-year standing in BAS (Urbanism) or permission of the School.

Lecture and workshop eight hours per week.

ARCU 3304 [1.0 credit]

Urbanism in Practice 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.

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

Prerequisite(s): ARCN 2105, ARCU 3303 and third-year standing in BAS (Urbanism) or permission of the School.
Lecture and workshop eight hours 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).

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).

Prerequisite(s): permission of the School.

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

ARCU 3501 [0.5 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.

Prerequisite(s): second year standing in the BAS – Urbanism Major, or permission of instructor.

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).

Prerequisite(s): permission of the School.

Lecture, seminar, lab or field work six hours a 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 in Practice 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.

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 in Practice 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.

Precludes additional credit for ARCU 4909.

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

Lecture and workshop eight hours 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 "edge-cities", new urbanism, and sustainable communities. Case studies from Canada, Europe and the U.S. (Theory/History Elective).

Prerequisite(s): fourth-year standing in the B.A.S. 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): ARCU 4600.

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

Advanced seminar in selected topics related to urbanism. Topics may include Dutch planning and housing, New Urbanism, public housing, suburbanization, real estate development, Title I urban renewal, post-unification Berlin. (Core course).

Prerequisite(s): fourth-year standing in B.A.S. (Urbanism).

Lecture three hours per week.

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

(Elective Course).

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.

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

Lecture three hours per week.

Summer session: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca