

## **Contract Instructor Teaching Opportunities 2021-2022**

### **Azrieli School of Architecture and Urbanism at Carleton University**

*A note to all applicants: As per Articles 16.3 and 16.4 in the CUPE 4600-2 Collective Agreement, the posted vacancies listed above are first offered to applicants meeting the incumbency criterion. A link to the current CUPE 4600-2 Collective Agreement can be found at the Academic Staff Agreements webpage on the Carleton University Human Resources website (<https://carleton.ca/hr/cu-files/cupe-4600-unit-2-16-19/>) and the CUPE 4600-2 website <https://www.cupe4600.ca/unit-2> .*

Applications are invited from members of the CUPE 4600-2 bargaining unit and other interested persons to teach the following Architecture courses during the 2021-22 Fall/Winter terms. Remuneration will be based on the CUPE 4600-2 bargaining unit's collective agreement.

#### **Required Qualifications**

**All candidates must have a professional degree in Architecture unless otherwise specified in the experience requirements listed below.** Preference will be given to candidates with a professional license and professional experience or a Ph.D. in the subject area of the course. Candidates must also have excellent communication and presentation skills. Teaching experience at the university level and in the course subject areas is an asset. All candidates will work closely with the Associate Director and Director as well as the Coordinator or Chair of the relevant programs or studios to ensure that their course material meets the University Calendar regulations, the pedagogical objectives of the School and the specific Canadian Architectural Certification Board Student Performance Criteria (CACB – SPC) for their specific course. Please visit the CACB website to review these criteria at [www.cacb-ccca.ca](http://www.cacb-ccca.ca) .

Applications will be accepted **until midnight on June 1<sup>st</sup>**.

Applications must include all of the following:

- Covering letter, and
- Curriculum vitae, and
- Carleton University Contract Instructor Application Form including educational background, employment history, and related experience. This form can be found at <https://carleton.ca/provost/cu-files/ci-application/>

All **successful** applicants should familiarize themselves with the Educational Development Centre (EDC) [Teaching Resources](#) page. EDC will offer orientation for any **new** contract instructor prior to the start of the term. The course covers rules and regulations of the University, online tools and other critical information necessary for course development, delivery and examinations as well as student communication protocol.

**Please note:**

- **The University may require that all or part of this course be delivered remotely**

- Some courses may be taught by employees who have the right to automatic reappointment as per the CUPE 4600-2 Collective Agreement, Articles 16.3 and 16.4.
- All positions are subject to budgetary approval.

Carleton University is strongly committed to foster social and cultural diversity within its community. We welcome those who would contribute to the further diversification of our University including but not limited to women, persons with disabilities, visible minorities, Aboriginal peoples, and persons of any sexual orientation or gender identity.

**All applications should be sent electronically as a PDF to the attention of:**

Professor Jill Stoner, Director

Azrieli School of Architecture & Urbanism:

c/o Claire Ryan, School Administrator at: [Claire.Ryan@carleton.ca](mailto:Claire.Ryan@carleton.ca)

## Courses

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**FALL TERM 2021 (September to December 2021)**

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### ARCC 2203

Course Title: **Architectural Technology 3/ Building Technology 3**

Semester Offered: Fall 2021

**Calendar Description:** Wood frame, post and beam, steel and concrete systems and construction techniques. Structural systems and building envelope principles and practice are explored in conjunction with mechanical and electrical systems in smaller buildings. Emphasis on precedent, tradition and methodology of architectural detailing for construction.

**Course Format:** Lectures three hours a week.

**CACB SPC:** B5, C1, C2, C3, C4, C5

**Specific Experience Required:** A minimum of 5 years architectural experience working with Canadian climate building technologies, integrated building systems and Canadian Building Code in small and large-scale projects. This course is taught to students in various degrees including architecture, engineering and conservation & sustainability and the course must be coordinated to be inclusive of all disciplines.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Third Year Studio Coordinator, the M.Arch (13 credit Chair) and the Chair of the Conservation & Sustainability program. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators.

In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCC 3202

Course Title: ***Architectural Technology 4/ Building Technology 4***

Semester Offered: Fall 2021

**Calendar Description:** Medium-scale steel and concrete structured buildings as case studies to explore approaches to site resources, building envelope, daylighting design, water supply, HVAC, electric lighting, room and environmental acoustics, fire protection, with focus on sustainable design strategies.

**Course Format:** Lectures three hours a week.

**CACB SPC:** B5, C1, C2, C3, C4, C5

**Specific Experience Required:** A minimum of 10 years architectural experience working with Canadian climate building technologies, integrated building systems and Canadian Building Codes in small and large scale projects. Specific experience in building envelope design and analysis is an asset. Expertise in areas listed in the calendar description is required.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Fourth Year Studio Coordinator and the Associate Director - Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing or printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCC 5200

Course Title: ***Professional Practice***

Semester Offered: Fall 2021

**Calendar Description:** The practice of architecture. Professional organization and conduct, the architect's services, business law, office organization and management, contract documents, building codes, contract management, cost control, accounting and site supervision.

**Specific Experience Required:** Master of Architecture Degree, Experience in Architectural Practice at the level of project management

**Coordination:** Course will interface at times with the graduate comprehensive design studio. The instructor will also need to coordinate with one or two teaching assistants.

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## ARCH 4200

Course Title: ***Conservation Philosophy and Ethics***

Semester Offered: Fall 2021

**Calendar Description:** 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

**Course Format:** Lectures three hours a week.

**CACB SPC:** A1, A4, A5, B2, C2

**Specific Experience Required:** A minimum of 5 years' experience working in the field of architectural conservation or a PhD in Architecture with developed expertise in the areas listed in the calendar description.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Coordinator of the Conservation & Sustainability Major and the Coordinator of the Graduate Diploma in Architectural Conservation. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCN 2106

Course Title: ***Introduction to Multimedia***

Semester Offered: Fall 2021

**Calendar Description:** Analogue and digital systems and graphic processes used in the making of images. Fundamentals of still photography and videography combined with current computer technologies in the application of visual communication techniques.

**Course Format:** Lectures three hours a week, laboratory three hours a week.

**CACB SPC:** A3

**Specific Experience Required:** Normally candidates will have a Professional Degree in Architecture but candidates with a degree in relevant allied arts will also be considered. All candidates must have a minimum of 5 years' experience working with Adobe Photoshop, Adobe Premiere, rectified photography,

still photography, video editing and the craft of the image. This course is taught to a large cohort of first year architecture students. Candidates must have teaching experience at the post-secondary level.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the First Year studio coordinator and the instructor of the first year Drawing course. All deadlines or tests must be entered on the Architecture online deadline calendar and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCN 5005

Course Title: ***Theory and Practice of Architectural Representation***

Semester Offered: Fall 2021

**Calendar Description:**

Free-hand drawing as a way of observing and understanding the world. Various media and techniques introduced through a wide range of studio and outdoor exercises. (Theory/History Elective).

**Course Format:** Lectures three hours a week.

**CACB SPC:** A1, A3, A8

**Specific Experience Required:** Normally candidates will have a Professional Degree in Architecture but candidates with a degree in relevant allied arts will also be considered. All candidates must have a minimum of 5 years' experience working with Adobe Photoshop, Adobe Premiere, rectified photography, still photography, video editing and the craft of the image. This course is taught to students in the first year of the three-year Master of Architecture program. Candidates must have teaching experience at the post-secondary level.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the studio coordinator for this cohort. All deadlines or tests must be entered on the Architecture online deadline calendar and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCS 1005

Course Title: ***Drawing***

Semester Offered: Fall 2021

This course has been assigned to three Ph.D. candidates

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## ARCS 2105

Course Title: **Studio 2** [2 or 3 Positions]

Semester Offered: Fall 2021

**One section of this course may be assigned to doctoral students, post-doctoral fellows, or visiting scholars.**

**Calendar Description:** Development of cultural imagination within the field of architecture. Inhabitation and spatial definition are explored through analysis and design of small-scale environments. Representational skills developed, including the conventions of architectural drawing and modeling.

**CACB SPC:** A1, A2, A3, A4, A5, C2, C3

**Specific Experience Required:** A minimum of 3 years architectural experience working in architectural firms. Teaching experience is an asset. All candidates should have a professional degree in architecture.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Second Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCS 3105

Course Title: **Studio 4** [possibly 1 position]

Semester Offered: Fall 2021

**Calendar Description:** Sensory components of architecture: their use, effect, and symbolic potential. Light and lighting, sound, the sensation of heat and cold, and related phenomena studied in modest building proposals. Social considerations of architecture. The conventions of architectural drawing. (Core Course).

**CACB SPC:** A1, A2, A3, A4, A5, C2, C3, with an introduction to C1, C4, C5

**Specific Experience Required:** A minimum of 5 years architectural experience working in architectural firms. Teaching experience is an asset. All candidates should have a professional degree in architecture.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Third Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that

the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCS 3303

Course Title: ***Urbanism Studio 2: Urbanism in the Core***

Semester Offered: Fall 2021

**Calendar Description:** 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.

**Course Format:** eight hours studio plus one hour lecture per week.

**CACB SPC:** A1, A2, A3, A4, A5, A6

**Specific Experience Required:** minimum of 3 years architectural experience working in the profession of Architecture or Urbanism, with expertise in the areas listed in the calendar description. Teaching experience is an asset. All candidates should have a professional degree in architecture or urban design.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Third Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand

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## ARCS 4105

Course Title: ***Comprehensive Studio [2 or 3 Positions]***

Semester Offered: Fall 2021

**One section of this course may be assigned to doctoral students, post-doctoral fellows, or visiting scholars.**

**Calendar Description:** Issues of program and site as the culturally defining aspects of architectural practice within complex urban and social situations, using difficult sites and hybrid programs. Projects brought to a high degree of formal and graphic resolution. (Core Course).

**CACB SPC:** A1-8, C1-5, Introduction to D1

**Specific Experience Required:** A minimum of 5 years architectural experience working in architectural firms. Teaching experience is an asset. All candidates should have a professional degree in architecture.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Fourth Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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**WINTER TERM 2021 (January to April 2022)**

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## ARCC 3202 / 5099

Course Title: ***Architectural Technology 4/ Building Technology 4***

Semester Offered: Winter 2022

**Calendar Description:** Medium-scale steel and concrete structured buildings as case studies to explore approaches to site resources, building envelope, daylighting design, water supply, HVAC, electric lighting, room and environmental acoustics, fire protection, with focus on sustainable design strategies.

**Course Format:** Lectures three hours a week.

**CACB SPC:** B5, C1, C2, C3, C4, C5

**Specific Experience Required:** Specific Experience Required: A minimum of 10 years architectural experience working with Canadian climate building technologies, integrated building systems and Canadian Building Codes in small and large scale projects. Specific experience in building envelope design and analysis is an asset. Expertise in areas listed in the calendar description is required.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Third Year Studio Coordinator and the Associated Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing or printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCC 3302

Course title: ***Conservation Studio 2***



Semester Offered: Winter 2022

**Calendar Description:** The role of architecture in culture, stressing site and program with respect to their historic, social and ecological implications. Synthesis of issues, methods and techniques of the conservation and sustainability curriculum. (Core course).

**Course Format:** Lecture and workshop eight hours a week.

**CACB SPC:** A1, A2, A3, A4, A5, B2, C2

**Specific Experience Required:** A minimum of 5 years' experience working in the field of architectural conservation or a PhD in architecture with developed expertise in the areas listed in the calendar description.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Coordinator of the Conservation & Sustainability Major and the Coordinator of the Graduate Diploma in Architectural Conservation. All deadlines or tests must be entered on the Architecture online deadline calendar and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCC 3902

Course Title: ***Architectural Technology***

Semester Offered: Winter 2022

**Calendar Description** A specific aspect of architecture in the area of architectural technology. Offerings vary from year to year.

2021: Chair Workshop

**Course Format:** Lecture, seminar, lab or field work six hours a week. Additional class hours may be scheduled as needed.

**CACB SPC:** A3, A5, B1, B7, B11, C1, C3

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## ARCC 4500

Course Title: ***Design Economics***

Semester Offered: Winter 2022

**Calendar Description:** Principles of building economics. Determinants and prediction of building costs. Uncertainty and investment economics. Creative cost control for buildings during schematic design,

design development, construction document preparation and construction. Economic evaluation during all phases of design process; emphasis on sustainable strategies.

**Course Format:** Lectures three hours a week.

**CACB SPC:** C1, E1, E2, E3

**Specific Experience Required:** A minimum of 5 years architectural experience working in professional firms in Ontario with an expertise in the areas listed in the course description including the development of comprehensive proformas.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Fourth Year Studio Coordinator, the M.Arch (13 credit) Chair and the Associate Director - Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCH 4505

Course title: ***Seminar in Theory and History***

Semester Offered: Winter 2022

This course has been assigned to a Ph.D. candidate

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## ARCN 1005

Course title: ***Introduction to Drawing: Seeing Through the Hand***

Semester Offered: Winter 2022

**Calendar Description:** Fundamental concepts of line and line weight, light and shadow, perspective, contrast and composition. Exercises will include some mixed media and will introduce students to drawing as a way of translating ideas into images.

**Course Format:** One hour lecture and two hours drawing/discussion

**CACB SPC:** N/A This course is offered for undergraduate students outside the architecture major.

**Specific Experience Required:** A minimum of five years teaching drawing to undergraduate and/or graduate students, and a graduate level degree in one of the design fields.

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## ARCN 2105

Course Title: ***Digital Practice and Theory***

Semester Offered: Winter 2022

### **Calendar Description:**

Computer modeling as a medium of architectural analysis, documentation, and presentation. Principles and techniques of 2D drawing and 3D modeling. Extensive practical work using appropriate applications.

**Course Format:** Lecture 3 hours per week and 3 hour labs (managed by TA's but supervised by Instructor)

**CACB SPC:** A1, A3

**Specific Experience Required:** Familiar with Rhino and its link to fabrication technology (laser cutter, CNC and 3D printer). Lectures should consider the background (history) and applicability of digital programs to studio and practice. Labs should teach practical knowledge as students learn the programs.

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## ARCS 2106

Course Title: ***Studio 3 [2 or 3 Positions]***

**One section of this course may be assigned to doctoral students, post-doctoral fellows, or visiting scholars.**

Semester Offered: Winter 2022

**Calendar Description:** Small-scale building projects explore architectural design as a form of cultural expression. Consideration of site, program, and the materials of building as the means for shaping architecture.

**CACB SPC:** A1, A2, A3, A4, A5, Introduction to B5, C2, C3, C4

**Specific Experience Required:** minimum of 5 years architectural experience working in the architectural profession with expertise in the areas listed in the calendar description. Teaching experience is an asset. All candidates should have a professional degree in architecture.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Second Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter

or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCS 3107

Course Title: **Studio 5** [2 or 3 positions]

Semester Offered: Winter 2022

**Calendar Description:** Building materials and practices within the context of increasingly complex building programs. Social context of architecture in relation to material expression. Modeling is stressed.

**Course Format:** Twelve hours studio plus one hour lecture per week.

**CACB SPC:** A1, A2, A3, A4, A5, B4, C2, C3, C4, C5

**Specific Experience Required:** minimum of 7 years architectural experience working in the architectural profession with expertise in the areas listed in the calendar description. Teaching experience is an asset. All candidates should have a professional degree in architecture.

**Coordination:** Before the semester begins, the scope of the content, schedule and assignments of this course must be coordinated with the Third Year studio coordinator and the Associate Director – Undergraduate. All deadlines or tests must be entered on the Architecture online deadline calendar (Team-Up) and verified as approved by the relevant coordinators. In addition, this course requires that the *Technical Services Request form* be completed should any use of the workshops, CNC, laser cutter or computing and printing services be required. Time requested must be approved by the relevant technicians and may require alteration based on overall demand.

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## ARCU 3100

Course Title: **The Morphology of the City**

Semester Offered: Winter 2022

This course has been assigned to a Ph.D. Candidate

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End of offerings.