



Azrieli School of **Architecture & Urbanism**

## **Urban Edge Studio // New Huntmar**

**ARCU 3304** / Urbanism in Practice 2: Urbanism on the Periphery

Spring 2017 / Monday, Wednesday 1:35 to 5:25

Instructor/ Catherine Bonier - catherine.bonier@carleton.ca

Office Hours: Mondays 10:30 to noon



### **STUDIO DESCRIPTION**

The emphasis in this studio will be on using design thinking and creative visualizations to ask new questions and to develop novel proposals for a site at the current periphery of urban Ottawa. The primary question is, how can a 52 acre site which is now farmland be reimagined, not just as a residential area, but as a new urban center that will act as a catalyst to encourage density and vitality. How can this edge become a center?

ARCU 3304 will be undertaken with the cooperation and support of the site's owner, Broccolini, and will require students to understand and explore the mandates and potentials of developer-driven design. The class will also require students to design alternate solutions, which expand beyond the constraints of the current urban condition. This expanded frame - in time and of imagination - is necessary to meet the mandate of a university-level urban design curriculum, which educates each student to develop an independent critical stance, and to advance towards their own professional goals. To operate in a rapidly changing world, students will need to understand the wide-range of forces which may contribute to a vibrant and resilient urban fabric. One component of this expanded understanding will be an elective trip to 3 cities in India - New Delhi, Ahmedabad, and Chandigarh - to explore and to document alternate development models, both formal and informal.

Key issues to be incorporated into the research and design for 320 Huntmar will be the future rapid transit stop, which will be located at the northeast edge of the site. The property is also adjacent to the Carp River, and crossed by the Feedmill Creek. The ecological and recreational restrictions and potentials of the site will be explored and enhanced through design. Finally, the basis for each student's proposal will be a position and a prediction, of what type of program will make this site a new thriving center. Each student should think of their design as a pilot project, crafting a successful urban future by creating a formula: **LIVE + WORK + ?**

## COURSE OBJECTIVES

1. To conduct intelligent, design-based research on a variety of urban sites, working both in groups and independently.
2. To generate a variety of clear investigations and designs, using digital, manual, and hybrid techniques, to test and to demonstrate diverse ideas, systems, relationships, and proposals.
3. To document and analyze existing urban conditions, and to take an informed, independent stance on what factors might be the foundation and catalyst for future urban vitality.
4. To represent\* and to explore urban forces as multi-layered and mobile, using section drawings, time-phased plans, seasonal strategies, multiple massing proposals, and edited video compositions.
5. To develop design arguments that demonstrate logical relationships between environmental understanding, program organization, urban projections, and phased interventions.

*\* This class will require that each student work diligently and independently to improve their own digital and technical abilities, consulting online sources and tutorials to improve their design visualization skills. Students should revisit and build upon the hand and digitally-assisted techniques learned in foundation drawing and multimedia classes.*

**CALENDAR** (See Schedule within Syllabus and on CULearn, which will be updated periodically.)

Note that there are required and encouraged events occurring outside of class hours. Please schedule accordingly. Also make every effort to attend this semester's Monday night Forum lectures.

## COURSE ASSIGNMENTS

Site Research + Strategies to Mid Review	25%
Mid Review	10%
Urbanism Symposium	10%
Design Development post Mid Review	25%
Final Review	15%
Final Folio + Website	10%
Discretionary	05%

## GRADING AND REQUIREMENTS

- “Studio projects will be evaluated on the (1) strength of design concepts, (2) development and articulation of the concept according to the objectives set forth in the project assignment, and (3) the clarity, craft and completeness of the work submitted at the hand-in deadline.”
- Each grade will be determined in comparison (1) with other students in the course and/or (2) with students who have previously taken the course and/or (3) with the Instructor's expectations relative to the stated objectives of the course, based on his/her experience and expertise.
- Completion of all required work does not guarantee acceptable mastery of the course material. Grading is based on each student's design work, as well as the student's ability to present their work both visually and verbally, in both formal and informal reviews. **Grading also relates to the student's ability to listen to critiques, and to appropriately incorporate feedback in the revision and development of their work.**

## LATE WORK

- Every day a submission is late is a 3% reduction in the project grade.
- The first 3% reduction occurs directly after the deadline time.

ARCUC3304	SCHEDULE – WINTER 2017	+ Version 3. Distributed 01.12.17 +
Week 01 01.09-01.13	m 01.09 <i>First Day of Class</i> w 01.11 Pin-Up	Independent Studio Move-In/ Review CULearn Resources Final Studio Docs Fall 2016/ Intro + Syllabus Review Intro Site Research, Massing Strategies, Operable Drawings
Week 02 01.16-01.20	m 01.16 Project-Up w 01.18 Arch/Urbanism DSA brief	Due: Site Research/ Massing Strategies/ Operable Dwgs. Intro to DSA Site Research Charrette
Week 03 01.23-01.27	m 01.23 + 6pm Forum lecture w 01.25 Arch/Urbanism DSA review th 01.26 Tutorial 1:30pm-5pm su 01.29 Tutorial 2:30pm-6pm	Independent Work Day – India and Huntmar research Due: DSA Research Presentations Digiblast – technology refresher Digiblast – technology refresher
Week 04 01.30-02.03	m 01.30 Project-up/ + 6pm lecture w 02.01 Site re-Visit f 02.03 + 6pm Film screening	Due: Research Reel #1 (comparisons/ composites) Site touring/ to be confirmed Documentary Screening and Discussion
Week 05 02.06-02.10	m 02.06 + 6pm Forum lecture w 02.08	Work Day/ Group Crits Work Day/ Desk Crits
Week 06 02.13-02.17	m 02.13 Mid Review w 02.15 Documentation 01 f 02.17 DSA Travel Option	Pin and Project-Up/ Site + Massing Strategies/ RR #2 Due: Interim 1 Studio Book, Portfolio, and Website Flight to New Delhi
Week 07	02.20-02.24	Winter Break/ DSA India Travel
Week 08 02.27-03.03	m 02.27 w 03.01 f 03.03 Symposium s 03.04 Symposium	Return from New Delhi – No Studio Meeting Digital Download/ Images, Ideas, + Questions from India Two-day urbanism symposium (Required) Two-day urbanism symposium (Required)
Week 09 03.06-03.10	m 03.06 w 03.08	PIVOT / Design Thesis, Program+, Development Reel Work Day/ Desk Crits
Week 10 03.13-03.17	m 03.13 Project-up/ + 6pm lecture w 03.15 f 03.17 Documentation 02	Due: Design Direction/ Program+, Scale, Deliverables/ DR #1 Work Day/ Desk Crits Due: Interim 2 Studio Book, Portfolio, and Website
Week 11 03.20-03.24	m 03.20 + 6pm Forum lecture w 03.22	Work Day/ Group Crits Work Day/ Desk Crits
Week 12 03.27-03.31	m 03.27 Interim Review w 03.29	Pin and Project-Up/ Design Development/ DR #2 Work Day/ Desk Crits
Week 13 04.03-04.07	m 04.03 w 04.05	Work Day/ Group Crits Final Class Session
Week 14 04.10-04.14	tu 04.11 Final Review (All Day)	FINAL REVIEW
Week 15 04.17-04.21	f 04.21 Documentation Final	Due: Final Studio Book, Portfolio, and Website (work to date)

## STUDIO CULTURE

Carleton has a long established studio culture. This culture has evolved with new modes of working, particularly the computer. We are aware of the transition of students away from studio and into the computer lab. We request that students actively counter this migration. Please work in studio either on laptops, desktops or via analog means. Working in studio is fundamentally important for establishing a collegiality which will lead to lasting friendships and the development of an important support network that will aid in the development of each student's work through peer learning and collective engagement. **The value of studio resides in active learning and working, with an emphasis on dialogue, collaboration, risk-taking and learning by making. Students are required to work in studio outside of class hours and on weekends.**

## STUDIO ATTENDANCE

- Attendance to every studio is mandatory with the exception of the site visit where attendance is strongly recommended.
- Attendance for the full, designated hours constitutes a student's contract with the School and Instructor. Studio is not, therefore, a place to "check in, check out". It is each student's responsibility to keep informed of decisions and announcements made during class hours regarding assignments, workshops, seminars, and related matters.
- Partial attendance on any class day is equivalent to an absence. Please conduct research, additional site visits, and purchasing of materials outside studio hours.
- Poor attendance by missing class, being continually late for class, leaving early or not participating during group discussions will adversely affect your experience and education. We will deduct marks for poor attendance and / or poor in class participation.
- **If attendance is especially poor (3 unexcused absences during the term), we reserve the right to fail the project regardless of the quality of the final work.**

## REVIEW CULTURE

While it is common to work till the last minute, this is disrespectful to your fellow students. Everyone should be present and engaged to support their fellow colleagues as they present their work. These presentations often offer vital insight that might improve one's own project. Attending reviews is an integral part of studio and architecture pedagogy. It is part of your development towards the profession.

## REVIEW ATTENDANCE

- Attendance to all reviews is mandatory. Students are required to join pin-ups and reviews from start to finish and may not under any circumstance continue working on their projects. Non-attendance of reviews or pin-ups may result in the lowering of a student's final grade, with the exception of extraordinary medical or family circumstances and upon presentation of justificatory note. Pin-ups, reviews, or seminars may be scheduled either in advance or spontaneously throughout the term in support of studio themes and working methods.
- Missing the final review is unacceptable. Without proper documentation, it will result in a zero for the review grade and may result in a reduced project grade.

## FEEDBACK

All studio tutorials, workshops and lectures, pin-ups and reviews are considered feedback, whether from the instructors or guest critics. Thus, students are expected to keep records (by taking notes) accordingly. At reviews, make sure to have a colleague take notes while you present your work.

### **PLAGIARISM and CITATION**

- In studio ideas from precedent studies are difficult to adjudicate in relation to conventional notions of plagiarism. However, students should endeavor to properly cite information/data collected during the research stage of the studio and maintain all standards of academic excellence and integrity in written/research aspects of the project. For example, please reference environmental data, ordinance survey maps, historical data/images, from books or online, etc. If you are downloading images, be sure to right-click to save image source, rather than trying to find it again later!
- Regarding precedent studies reference: project name, location, architect, and date of completion. Ensure you indicate why the image is relevant to your project.
- Please use the Chicago style manual as guidance.
- Please refer to the academic handbook for guidance. If in doubt, please consult the instructor.

### **COMPUTING**

We strongly recommend that students focus computer-design work using Rhinoceros as their central design platform, in conjunction with Adobe Creative Cloud. The Rhino beta-version for Mac is free but does not allow for advanced computation, full functionality, or most plug-ins. Sketch Up or Revit are not acceptable alternatives to Rhinoceros.

### **BACKING UP WORK**

It is the student's responsibility to periodically back-up their work. While we empathize with data loss due to corruption, deletion or theft it is not grounds for an extension.

### **EMAIL**

- E-mail is a permanent record of communication and should be used professionally. Prior to contacting your instructor please reference the Course Outline, Project Brief, and CULearn. Also consult your peers.
- E-mail should be used to make an appointment prior to any meeting.
- Faculty will respond to non-emergency student e-mails twice per week.
- If you are not receiving e-mails through your Carleton Account it is the student's responsibility to contact CCS to resolve the issue.

### **TIME MANAGEMENT**

It is your responsibility to plan your time accordingly. Do not plan shift work, appointments or other non-academic activities during studio time.

### **ACCEPTABLE ABSENCES & EXTENSIONS**

- Employment responsibilities, whether on or off campus, are not an acceptable reason for lateness, lack of attendance, or an extension.
- Illness with proper medical documentation, and family bereavement are examples of acceptable absences. From the Carleton Registrar's Office (<http://carleton.ca/registrar/special-requests/deferral/>) *Students are expected to be available for the duration of a course including the examination period. Dates and deadlines are made available to students in the Carleton University Undergraduate Calendar well in advance of registration; the dates are listed here. <http://calendar.carleton.ca/academicyear/>*

### **STUDENT RESPONSIBILITIES**

If for any reason the goals of the class seem unmanageable, it is the student's responsibility to schedule a meeting with the instructor to discuss the issue and to actively seek a solution that supports the student's progress. Meetings can be scheduled outside of office hours upon request.

## **SUPPORT SERVICES**

- The university can be a challenging environment. While faculty are always available, Carleton's **Health and Counselling Services** staff offers professional support for student physical and emotional well-being. (<http://carleton.ca/health/hours-appointments/>)
- The **Paul Menton Center** (<https://carleton.ca/pmc/>) is available to accommodate students with documented disabilities. Please give your Letter of Accommodation to the instructor no later than two weeks before the date of first assignment hand-in or in-class test.

## **ACADEMIC ACCOMMODATION**

You may need special arrangements to meet your academic obligations during the term because of disability, pregnancy or religious obligations. Please review the above course outline carefully. Should you require special accommodation, please contact the course instructor during the first two weeks of classes. In cases where the need for accommodation develops during the term, please contact course instructor promptly.

Reviewing each request and arranging accommodations where necessary takes time: your cooperation is appreciated. Please make sure to respect the above notification timelines, particularly for in-class tests, mid-terms and final exams, as well as any change in due dates for assignments.

For more detailed information on the University's academic accommodation policies students may visit the Equity Service website. <http://carleton.ca/equity/accommodation>

## **ACCESSIBILITY**

Students with disabilities requiring academic accommodation in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities could include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC, 613-520-6608, every term to ensure that course instructor receives your Letter of Accommodation no later than two weeks before the date of first assignment hand-in or in-class test. If you only require accommodations for your formally scheduled exam(s) in this course, please submit your request for accommodations to PMC by the deadlines published on the PMC website: <http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/>

## **STUDENT CONDUCT**

Please refer to <http://www.carleton.ca/calendars/ugrad/1011/regulations/acadregsuniv.html> for specific information regarding Student Conduct and Academic Integrity standards.

## **GRADING**

For the grade in the "A" range, the instructor will have judged the student to have satisfied the stated objectives of the course in an outstanding to excellent manner; for the "B" range, in an above average manner; for the "C" range, in an average manner with C- being the lowest acceptable grade in the BAS - Design Core courses; for the "D" range, in the lowest acceptable manner in non-Core courses, and for "F", not to have satisfied the stated objectives of the course. Grades will be assigned as A+ (90-100%), A (85-89%), A- (80-84%), B+ (77-79%), B (73-76%), B- (70-72%), C+ (67-69%), C (63-66%), C- (60-62%), D+ (57-59%), D (53-56%), D- (50-52%), F (0-49%) and ABS. A grade of C- or better in each course of the BAS - Design Core is required for a student to remain in Good Standing.

(Please refer to the Undergraduate Calendar <http://www.carleton.ca/calendars/ugrad/1011/regulations/acadregsuniv2.html#2.3> for regulations concerning grades and other program requirement information and <http://www.carleton.ca/calendars/ugrad/1011/programs/architecturalstudies.html> for regulations concerning grades and other program requirement information specific to the Architecture program.

### **ATTENDANCE**

Attendance during arranged class hours is mandatory and an essential part of a student's contract with the School and their instructor. It is a student's responsibility to be informed of decisions and announcements made during these hours. Frequent unaccounted-for absences from studio meetings, seminars, reviews and desk crits, may result in a failing grade whether or not assignments have been completed.

### **RETENTION OF WORK and PORTFOLIO**

(<http://www.carleton.ca/calendars/ugrad/1011/programs/architecturalstudies.html>).

Keeping a good portfolio is a most important part of architectural education. A portfolio represents a record of the student's progress and design experience over the years and is an indispensable document for any job application in the future. The School therefore requires that each student document their term's work with high resolution scans of manual drawings, photographs of models, and saved files of work produced digitally. From First Year through to graduation, students are to create the following:

- A digital Folder containing jpg files of all term's work
- A digital Portfolio saved as a PDF file.

Please title the digital folder following this example: "ARCS 3105\_Last name\_2016\_Instructor name." Please use the 11 x 17 landscape format and a simple and clear graphic language for the digital portfolio.

Submit Folder and Portfolio to your instructor digitally, and keep files carefully for your records. Note also that your instructor may require a printed copy of the Portfolio.

The School reserves the right to use the images for the following: retrospective exhibitions of work, accreditation, publications and references for pedagogic purposes. Original work is the property of the students, but the School retains the right to keep work of merit for up to two years after the date of submission. The School will make every effort to preserve the work in good condition, and will give authorship credit and take care of its proper use.

### **STEWARDSHIP**

Architecture, urbanism and conservation are about stewardship, awareness, and thoughtful habitation. Please exercise consideration for the physical and social environment around you while using the studios. It is neither reasonable nor fair to place the burden of guessing whether an item on the floor is a discard or a precious process-sketch upon members of the custodial staff. Respect custodial staff and their mandate to clean the building's public spaces only (and not the studios).

### **SECURITY AND SAFETY**

First aid kits are found throughout the School. Alert the Instructor (during class hours) or call University Security (after hours) if an accident occurs or emergency arises.

Students are asked to take precaution when working after hours. Call the University Security (telephone extension 4444) if you see any suspicious activity and/or feel insecure in the studio or on campus.

Identify the location of first aid kits, fire exits, fire alarms, and security telephones. Carleton Foot Patrol offers "safe-walk" services:

<http://cusaonline.ca/footpatrol>.

For additional information, refer to the Carleton Environmental Health and Safety website:

<http://www.carleton.ca/ehs/>.