

COURSE TITLE: STUDIO 1
COURSE NUMBER: ARCS1005
CREDIT VALUE: 1.0
TIMETABLE: TUESDAY AND FRIDAY: 13:30-17:30
INSTRUCTORS: STEPHEN FAI (CO-ORDINATOR)
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ANITA YU

COURSE DESCRIPTION

1. Architecture is a science arising out of many other sciences, and adorned with much and varied learning; by the help of which a judgment is formed of those works which are the result of other arts. Practice and theory are its parents. Practice is the frequent and continued contemplation of the mode of executing any given work, or of the mere operation of the hands, for the conversion of the material in the best and readiest way. Theory is the result of that reasoning which demonstrates and explains that the material wrought has been so converted as to answer the end proposed.
2. Wherefore the mere practical architect is not able to assign sufficient reasons for the forms he adopts; and the theoretic architect also fails, grasping the shadow instead of the substance. He who is theoretic as well as practical, is therefore doubly armed; able not only to prove the propriety of his design, but equally so to carry it into execution.
3. In architecture, as in other arts, two considerations must be constantly kept in view; namely, the intention, and the matter used to express that intention: but the intention is founded on a conviction that the matter wrought will fully suit the purpose; he, therefore, who is not familiar with both branches of the art, has no pretension to the title of the architect. An architect should be ingenious, and apt in the acquisition of knowledge. Deficient in either of these qualities, he cannot be a perfect master. He should be a good writer, a skilful draftsman, versed in geometry and optics, expert at figures, acquainted with history, informed on the principles of natural and moral philosophy, somewhat of a musician, not ignorant of the sciences both of law and physic, nor of the motions, laws, and relations to each other, of the heavenly bodies.

Vitruvius 1.1.1-3 (trans. Joseph Gwilt, London: 1826).

http://penelope.uchicago.edu/Thayer/E/Roman/Texts/Vitruvius/1*.html

INTRODUCTION

While many things may have changed since Vitruvius wrote his seminal treatise over two thousand years ago, architectural education still demands the synthesis of a broad range of specialized technical and intellectual skills. *De architectura* serves to remind us that we cannot answer all of the questions concerning poetry and building science, history or construction management, or any combination of these or other related disciplines. Architectural education reveals these various disciplines as parts of a living body of knowledge that is Architecture. Studio is the theatre where, through vivisection, we study the anatomy of this body.

Students in the first year of the Bachelor of Architectural Studies are asked to explore the complex relationships between "imagination" and "representation." Building on the skills developed in ARCS1005, ARCN2106, and the conceptual investigations of ARCH1000, ARCS1105 will develop the capacity of students to observe, imagine, and represent architecture at a fundamental level.

Attendance during scheduled studio sessions is mandatory. Students are strongly encouraged to work in the studio.

COURSE OBJECTIVES

1. Develop architectural insight and imagination.
2. Foster innovation and invention in solving technical problems.
3. Develop craft in drawing, modeling, and writing.
4. Develop productive work habits and the ability to complete projects within an allotted time.

PROJECT 1

Finding the Lost City

Schedule

(weekly meeting in the Pit at 1:30pm)

01 05	Class meeting and assignment of studio groups.
01 08	Introduction to Project 1.
01 15	Plan, section, elevation.
01 22	Axonometrics.
01 29	Preliminary model.
02 11	Final model.
02 11	Lock-up at 5:30 pm.
02 12	Review (9:30am-5:00pm).
02 23	Intro to project 2. Reading/writing due (Pit): after reading invisible cities, speculate on what city we may have discovered in 192 words and one "hybrid" drawing (A4).

PROJECT 2

Dwelling in the Lost City

TBA

03 12	Last day to withdraw from winter term classes.
04 08	Final Reviews.

REQUIRED READING

Italo Calvino *Invisible Cities*. (several editions are available).

SUGGESTED READING

As assigned by tutor.

ASSESSMENT

Studio projects will be evaluated on the:

- (1) strength of architectural idea/ideas,
- (2) development and articulation of the ideas according to the objectives set forth in the project assignment,
- (3) the clarity, craft and completeness of the work submitted at the hand-in deadline. Projects not meeting the minimum requirements for completion as stated in the project outline and within the allotted time will not be considered for review and will be given a grade of ABS.

GRADING

Project 1:

Axonometric drawing	10%
Preliminary Model	10%
Final Model	15%
Hybrid drawing	10%

Project 2:

55%

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 course outline promptly and write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

It takes time to review and consider each request individually, and to arrange for accommodations where appropriate. Please make sure you respect these timelines particularly for in-class tests, mid-terms and final exams, as well as any change in due dates for papers.

You can visit the Equity Service website to view the policies and to obtain more detailed information on academic accommodation at <http://carleton.ca/equity/accommodation>

ACCESSIBILITY

Students with disabilities requiring academic accommodations in this course are encouraged to contact a coordinator at the *Paul Menton Centre for Students with Disabilities* to complete the necessary letter of accommodation. After registering with the PMC, make an appointment to meet and discuss your needs with me at least two weeks prior to the first in-class test or midterm exam. This is necessary in order to ensure sufficient time to make the necessary arrangements. Please note the following deadlines for submitting completed forms to the Paul Menton Centre: November 16th for fall and fall/winter courses, and March 12th for winter term courses.

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/0910/regulations/acadregsuniv2.html#2.3> for regulations concerning grades and other program requirement information and <http://www.carleton.ca/calendars/ugrad/0910/programs/architecturalstudies.html> for regulations concerning grades and other program requirement information specific to the Architecture program.

Each grade will be based upon a 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.

Student Conduct

Please refer to <http://www.carleton.ca/calendars/ugrad/0910/regulations/acadregsuniv.html> for specific information regarding Student Conduct and Academic Integrity standards.

ACCREDITATION AND PROFESSIONAL EXPERIENCE

Carleton's B.A.S./M.Arch. Programme is reviewed for accreditation by the Canadian Architectural Certification Board. This status undergoes continual review in order that the university program provides the minimum standards for professional licensure. With this in mind, aspects of this course's objectives and approach integrate some of the 37 "Student Performance Criteria" set by the CACB. The most recent edition of the "Guide to Student Performance Criteria" is available from the main office.

On **Workshop** course outlines, where appropriate, the following, in addition to the above, should appear on course outlines:

Studio projects will be evaluated on the (1) strength of design concept/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.

Spray painting with aerosol spray paints, fixatives and spray adhesives will not be accepted on ANY student work. Student work using aerosol spray paints, fixatives, and spray adhesives will not be evaluated.

Extension cords are no longer allowed in studios - only CSA approved Power Bars / Surge Suppressors may be used in the Architecture Building.

RETENTION OF WORK

(<http://www.carleton.ca/calendars/ugrad/0910/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. It is an indispensable requirement for any job application in the future. A portfolio is started in first year and continues to expand until graduation. The School, therefore, requires that each student produce reproductions (normally 8 ½ x 11 inch reproductions, colour or black and white, slides, and/or digital format CD) of their work at the end of each term. One copy of the work should be put in the student's portfolio and the other turned in to the instructor for retention in the School's archives. (This facilitates retrospective exhibitions of work, accreditation, publications and any future 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.

Health and Safety Regulations for the School of Architecture

- No Smoking
- No Flammable or Combustible Solvents, Paints, Gases or other Products
- No Aerosol or Pressurized Containers
- No Power Tools
- No Soldering
- No Bicycles
- No Open Flames
- No Toxic Chemicals
- No Vandalism (as defined by the Municipality of Ottawa)
- Avoid Creating Tripping Hazards
- Avoid Creating Fire Hazards
- Keep Aisles, Walkways, Corridors, Doorways, Stairwells and Fire Hose Cabinets clear at all times
- Avoid Working Alone After Hours
- Avoid Creating Excessive Dust and Noise

In Case of Emergency, Dial Extension 4444 from any Studio phone.

First Aid is available in the Main Office (Room 202) or Workshop (Room 220) between the hours of 8:30 a.m. and 4:30 p.m. Monday to Friday. First Aid Kits are available throughout the School.