Course Description:

This course provides details on how buildings are designed and operated. The materials provide foundational knowledge to understand building services: mechanical, electrical, plumbing systems with associated controls.

Course Texts:

Assessment
Class Participation: 5%
Lab (weekly): 20%
Topic Proposal: 10%
Presentation: 20%
Final Project: 25%
Take Home Exam: 20%

Office Hours: Tu, 11:30-12:30pm at CB 5209
Or by appointment. Please allow two business days for any email responses. Use "ENVE4107:" in email title and state you question clearly. Make sure you question isn't already answered in the course outline/schedule!

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 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 I receive your Letter of Accommodation, no later than two weeks before the first assignment is due or the first in-class test/midterm requiring accommodations. 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/

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://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv2/#2.3 for regulations concerning grades and other program requirement information and http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv7/ 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://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv15/ [item 15.0] for specific information regarding Student Conduct and Academic Integrity standards.
http://www2.carleton.ca/studentaffairs/academic-integrity/

CULEARN
The course contents are enhanced with this new teaching platform available for the Carleton University community, providing you with full accessibility to the syllabus, course contents, and support material.

Intellectual Property

Classroom teaching and learning activities, including lectures, discussions, problem based learning sessions, presentations, etc., by both instructors and students, are copy protected and remain the intellectual property of their respective author(s). All course materials, including presentations, outlines, and other materials, are also protected by copyright and remain the intellectual property of their respective author(s).

Students registered in the course may take notes and make copies of course materials for their own educational use only. Students are not permitted to reproduce or distribute lecture notes and course materials publicly for commercial or non-commercial purposes without express written consent from the copyright holder(s).