Instructor: Dr Sahar Soleimani, P. Eng
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COURSE AND LAB SCHEDULE

Lectures: Wednesdays at 18:05 - 20:55; Building: Southam Hall Room: 502
Tutorial: Mondays at 14:35 - 15:55; Building: Tory Building Room: 202

- First Lecture: Wednesday January 9th and first Tutorial: Monday January 14th
- The course schedule is also available here.
- All components of the course (i.e assignments, project, exams etc.) must be fulfilled otherwise students may receive an INC as a final mark (equivalent to F).

REFERENCES

Textbooks:
1. Chin, D.A. Water Resources Research, 2nd or 3rd Editions, Prentice Hall, New Jersey

Online Materials:

COURSE DESCRIPTION

The course will examine the following topics.
- Fundamentals of:
- Fluid flow
- Hydraulics of pipe systems
- Open channel flow
- Estimation of sanitary sewage and storm drainage flow rates

- Design of:
  - Piped networks and water distribution systems
  - Sanitary and storm sewers, culverts
  - Measuring devices
  - Pumps
  - Hydraulic and flow control structures

MARKING

Assignments / Quiz 20 %
Design Project 15%
Midterm 20%  Midterm Date& time: Tuesday, 27 Feb 2019, 18:05 – 20:55
Final 45%

Absence From an Examination: In case of absence from an examinations, students must consult with this link (Section 2.5):
https://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv2/#2.5

Lecture Material: Lecture material and assignments will be distributed on the cuLearn site.
Prerequisite(s): Fluid Mechanics MAAE 2300.

ACCOMMODATIONS

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: 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. For more details visit the Equity Services website: http://www2.carleton.ca/equity/

Religious obligation: 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. For more details visit the Equity Services website: http://www2.carleton.ca/equity/

Academic Accommodations for Students with Disabilities: The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). Requests made within two weeks will be reviewed on a case-by-case basis. After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website (www.carleton.ca/pmc) for the deadline to request accommodations for the formally-scheduled exam (if applicable).
ACADEMIC INTEGRITY

The University Senate defines plagiarism as “presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one’s own.” This can include:

- reproducing or paraphrasing portions of someone else’s published or unpublished material, regardless of the source, and presenting these as one’s own without proper citation or reference to the original source;
- submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another’s data or research findings;
- failing to acknowledge sources through the use of proper citations when using another’s works and/or failing to use quotation marks;
- handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course’s instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course.