Objective: This course is intended to serve as a continuation of CIVE 3205 (Design of Structural Steel Components) to discuss additional topics in Design of Steel Structures. Upon completion of CIVE 4308, will:

- Be able to design composite beams, plate girders, moment connections, base plates, anchor bolts.
- Be able to use of catalogues to design open web steel joists and steel deck.
- Have the knowledge of the design considerations that go into the catalogues of open web steel joists and steel deck.
- Have the knowledge to analyze and design the support system.

Course Webpage: cuLearn

Course Outline

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<td>- Design of Shear Connectors</td>
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<td>5 Design of Open Web Steel Joists and Steel Deck</td>
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Marking:
- PA and Homework 20%
- Mid-Term Exam 30%
- Final Exam: 50%

Textbooks:

Reference Texts:
1. CSA (2014a), CSA S16-14 Design of Steel Structures, Canadian Standards Association
2. CSA (2014b), CSA A23.3-14 Design of Concrete Structures, Canadian Standards Association

Notes:
1. The notes supplied on the website are intended to serve as complement and not replacement to regular class attendance. The author does not guarantee these notes to be 100% error free. Every effort will be made to identify the error and correct it during class. I will not entertain request to provide help on the notes unless that person has attended lecture regularly. Every consultation visit must be accompanied with the class notes.
2. The schedule of the topic covered may not be exactly as shown in the course outline. The instructor may alter the course outline and schedule slightly during the term.
3. Mid-term examination is scheduled for **Feb. 26 during the PA period.**
4. You are required to submit your own work for Homework. See the institutional policy on the academic integrity (https://carleton.ca/registrar/academic-integrity/).
5. Some parts of PA and Homework may be due at the end of the PA session. Assignment due date is strict. Late submissions of assignments will be accepted with 20% penalty if handed in before 5:00 pm the next day, but with 100% penalty thereafter. There is no late submission allowed for the part of PA and Homework that is due at the end of the PA session. 10% deduction if PA and Homework assignments handed in are not stapled.
6. Students who claim illness, injury or other extraordinary circumstances beyond their control as a reason for missed term work / examination are held responsible for immediately informing the instructor concerned and for making alternate arrangements with the instructor and in all cases this must occur no later than three (3.0) working days after the term work was due.
7. Cell phones and pagers must be turned off during class.
8. All email correspondence has to originate from the Carleton email account. I will only respond to the Carleton email account.
9. Course web page will be used to post assignments, announcements and etc.
10. Final examination is for evaluation purposes only and will not be returned to the student.
11. Students will be assigned the grade F (Failure) if the term work of at least 40% [20 out of 50], and PA and Assignment of at least 50% [10 out of 20] have not been achieved.
12. A minimum mark of 40% (20 out of 50) in the final exam is required to pass the course.
13. Both mid-term and final exams are open book. No electronic device other than the calculator is allowed.
14. **Requests for Academic Accommodation**
   You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

   **Pregnancy obligation**
   Please contact your instructor 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: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

   **Religious obligation**
   Please contact your instructor 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: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

   **Academic Accommodations for Students with Disabilities**
   If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the
beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. carleton.ca/pmc

Survivors of Sexual Violence
As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and is survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

Accommodation for Student Activities
Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor 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. https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf

For more information on academic accommodation, please contact the departmental administrator or visit: students.carleton.ca/course-outline