Carleton University
Department of Civil and Environmental Engineering

Course Title:
CONSTRUCTION/PROJECT MANAGEMENT (CIVE 4400)

Course Syllabus – Fall 2021

COURSE SCHEDULE
Lectures: Tue18:35 to 21:25
Tutorials: Fri 14:35 – 17:25 (even weeks only)

COURSE INSTRUCTOR
Ehab Zalok, Ph.D., P.Eng.
ehab.zalok@carleton.ca
Office: Mackenzie ME 2486
Office Hours: Online, by appointment only

COURSE DESCRIPTION AND OBJECTIVES

Calendar Description: Systems approach to project planning and control. Analysis of alternative network planning methods: CPM, precedence and PERT; planning procedure; computer techniques and estimating; physical, economic and financial feasibility; implementation feedback and control; case studies.

By the end of the course, successful students will be able to:

- Differentiate between the different construction project participants and identify their different but interlinked roles
- Identify the different project delivery methods and compare between them based on their benefits and drawbacks
- Break down the various management steps of a construction project from conception to project delivery
- Describe the project estimation, planning and schedule methods and predict the critical path in a project schedule
- Demonstrate an understanding of project cost, time and quality control and feedback

COURSE DELIVERY

Asynchronous course - an online course where the instructor and students share information, ideas, and learning experiences in a virtual course space. While there is a scheduled time associated with the course for registration, students can move through course material on their own schedule. Lecture videos will be posted weekly before the scheduled lecture time. Videos could be segmented for ease of viewing, to make it easy to refer to them, and take notes. Industry professionals may deliver lectures regarding topics related to project management in the construction industry. Content from the guest lectures are included in assignments and the final exam.

COURSE WEBSITE AND COMMUNICATION

Course information will be available through Brightspace. Students are responsible for ensuring that they are correctly registered and that they are receiving messages properly through their official university email.
address.

TEXTBOOK
There is no required textbook for this course, however following is a list of textbooks which are recommended:

- Construction Management, by Daniel W. Halpin and Bolivar A. Senior
- Construction planning and scheduling, by Jimmie W. Hinze
- Construction Project Management, by Frederick Gould and Nancy Joyce
- Construction Project Administration, by Edward R. Fisk and Wayne Reynolds

COURSE WORK AND ASSESSMENT
Assignments........................................50%
Final Exam........................................50%

Assignments
Submission of assignments will be done through Brightspace. Late assignments will be deducted 25% (1st 24 hours) and will receive a grade of zero thereafter.

Final Exam
A minimum mark of 50% on the final exam is required to pass the course.

COURSE POLICIES
Appeals
All appeals for marks assigned in this course must be made within 10 days of the posting date.

Academic Integrity
Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensure that a degree from Carleton University is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. Carleton University’s Policy on Academic Integrity (http://www.carleton.ca/studentaffairs/academic-integrity) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. It is your responsibility to be familiar with these policies. Any students who do not act with academic integrity will face severe consequences including immediate referral to Associate Dean of Student Affairs.

Email Policy
Emails must come from official Carleton University email addresses or through Brightspace. Problem analysis questions: Direct those to the Teaching Assistants.
Extensions and Rewrites

In the interest of fairness for all students, requests for rewrites will only be granted for situations that are truly out of a student’s control.

Academic Accommodation

Students with diverse learning styles and needs are welcome in this course.

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).

You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at http://www2.carleton.ca/equity/