

ECE265: CT and DT Signals and Systems

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[youtube.com/iamcanadian1867](https://www.youtube.com/iamcanadian1867)



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Course Outline URL:

https://course-outlines.uvic.ca/ban/course-outlines/public-outline?banner_term=202609&subject=ECE&course_number=265

Agenda

- 1 video conferencing
- 2 brief course overview
- 3 course administrative details
- 4 advice for succeeding in course
- 5 questions

Joining Zoom Meetings With Single Sign-On (SSO)

- users are required to join Zoom meetings using Zoom Single Sign-On (SSO) with their UVic Netlink credentials (i.e., Netlink username and password)
- use of SSO allows identity of person to be verified using their UVic Netlink credentials
- allowing person to enter meeting anonymously would pose significant security risk (e.g., Zoom-bombing attacks)
- *if you are placed in waiting room* instead of being directly admitted into meeting, you *did not use SSO* correctly
- users placed in waiting room *will not be admitted* to meeting
- therefore, *anyone who does not use SSO will be blocked from joining meeting*

Video Conferencing Etiquette

- always use real (first and last) name for your screen name (or you may be removed from meeting)
- always *use headset* in order to minimize feedback when microphone is not muted
- always *mute microphone* when not speaking
- in larger meetings, always *disable video camera* when it is not strictly needed to avoid network bandwidth problems
- unless instructed otherwise, if you have question for meeting host, *raise your virtual hand* (accessible via “Participants” on Zoom), rather than interrupting host

- signal: physical quantity, measurement, or other information that changes with respect to time (or some other variable), such as:
 - position, velocity, acceleration, force, torque
 - temperature, pressure
 - brightness
- system: something that engineers build, such as:
 - aircraft, automobiles,
 - cell phones, computers
 - MRI machines, pacemakers
- course studies from mathematical viewpoint:
 - signals (i.e., functions and sequences)
 - systems (i.e., operators)
- course introduces formal mathematical framework for design and analysis of complex systems

Course Website and Brightspace Site

- course employs both course website and Brightspace site
- course website:
 - <https://www.ece.uvic.ca/~mdadams/courses/ece265>
- primary information source for course is course website, which has all handouts and links to other important information/resources for course
- some areas of course website are password protected
- Brightspace site:
 - <https://bright.uvic.ca/d21/home/XXXXXX>
- Brightspace site only intended to be used for:
 - posting important course announcements and other information, such as:
 - assignment submission deadlines, exam dates, and username and password required to access password-protected areas of course website
 - submitting and grading of assignments
 - providing students with means to review their course grades
- students should enable Brightspace notifications (via email) so that course announcements received in timely fashion



- normally, lecture sessions *will not be recorded* by instructor
- some reasons for not recording lecture sessions include:
 - recording any interactions with students raises many *privacy concerns*, which are best avoided whenever possible
 - some students *may feel uncomfortable* to participate if being recorded
 - students may take photos/screenshots of materials presented, which reduces need to record these materials for future reference
- additional information on lecture sessions available from “[Lecture Sessions](#)” section of course website

Office Hours

- office hours will be held by instructor in order to provide extra help with course materials as well as discuss other course-related matters with students
- office-hour sessions will be offered *online only*
- time slot for office hours will be *determined by Brightspace survey* and *posted on course website*
- questions about course materials will be answered in main room so that all students can benefit from questions asked
- private/confidential matters will be discussed one-on-one with student in breakout room
- student may attend simply to listen to questions from other students or comments from instructor
- office hours cancelled during reading break (and on holidays)
- more information on office hours available from “Office Hours” section of course website

- tutorial time slots will be used by tutorial TAs to hold sessions in order to help students with course materials
- tutorial sessions to be held *face-to-face*
- TA may additionally allow for online attendance *if this is feasible*
- student may attend session for tutorial section different from one in which they registered as long as this does not prevent those registered in section from having seat in classroom
- tutorials start in *second week* of classes

Required Textbook and Lecture Slides

- textbook:

- M. D. Adams, *Signals and Systems*, Edition 6.0, Dec. 2024, ISBN 978-1-990707-07-0 (PDF).

- lecture slides:

- M. D. Adams, *Lecture Slides for Signals and Systems*, Edition 6.0, Dec. 2024, ISBN 978-1-990707-09-4 (PDF).

- textbook website:

- <https://www.ece.uvic.ca/~mdadams/sigsysbook>

- available under Creative Commons (i.e., open-access) license

- can be obtained in PDF format from textbook website (*do not download from Google Play or Google Books* since Google removes all hyperlinks from documents)

Computer and Software Requirements

- need computer to use for viewing video lectures, accessing MATLAB software, and participating in online meetings
- Zoom video conferencing software used for all online meetings in course
- MATLAB software necessary for most assignments in course
- students are *required to install MATLAB software* on their computer or ensure that they have access to MATLAB through some other means
- UVic has site license for MATLAB software so that students can obtain this software free of charge
- for information on how to obtain MATLAB software, refer to:
 - <http://matlab.uvic.ca>
- might also be possible to access MATLAB via remote login to undergraduate lab machines

Assignments

- all assignments must be submitted *using Brightspace site*
- submissions must be in *PDF format* (not JPEG, Word, or other formats)
- *nominal* submission deadlines for assignments posted *on Brightspace site*; if any changes necessary, will be announced to class
- late assignments will *receive grade of zero*
- assignments will also be graded via Brightspace
- most assignments have some MATLAB exercises and *MATLAB considered fair game for exams* in course
- some assignments split into two parts (i.e., Parts A and B)
- splitting of assignments, mainly intended to:
 - reduce size of PDF documents being scanned for submission
 - allow TAs to return graded assignments more quickly
- for split assignments, submission deadlines for Parts A and B will often only be couple of days apart
- *do not wait until after submission deadline for Part A to start work on Part B*, as there will not be sufficient time to complete Part B

- midterm exams held *face-to-face* during *lecture time slot*
- since exams held face-to-face, Brightspace will not be used in writing of exams
- exam dates can be found on course outline; if any changes necessary due to extraordinary circumstances, will be announced as much in advance as possible

- some information on course website includes:
 - 1 course outline [\[web\]](#) [\[PDF\]](#) [\[annotated PDF\]](#)
 - 2 online meetings handout [\[PDF\]](#)
 - 3 assignments handout [\[PDF\]](#) [\[annotated PDF\]](#)
 - 4 supporting affordable learning resources handout [\[PDF\]](#)
 - 5 course-materials bug-bounty program (CMBBP) handout [\[PDF\]](#)
 - 6 course-materials errata handout [\[text\]](#)
 - 7 optional textbook handout [\[PDF\]](#) [\[annotated PDF\]](#)

- when sending email to instructor, *always use UVic email account*
- use office hours and/or lecture sessions (*not email*) for questions about course materials (cannot guarantee response to questions asked via email)
- most handouts versioned (i.e., include date on each page) so that newer versions can be distinguished from older ones
- if you downloaded any handouts (including course outline) before day of first lecture, check to ensure that those handouts have not changed since time downloaded

Advice for Succeeding in Course

- avoid falling behind, since easy to reach point where catching up is impossible
- work ahead to whatever extent is possible so that unexpected problems less likely to result in falling behind
- when having difficulties with course materials, seek help as soon as possible
- do not leave assignments until last minute or copy solutions from other students or old solution sets, as this will bypass learning



Course Website URL:

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These course-introduction slides are available from the course website under the “Miscellany” section.