

Math 201—Differential Equations—Winter 2019

Section	Instructor	Office	Office Hours*	Email
EQ1	M Niksirat	CAB 567	MF 10:00–12:00*	niksirat@ualberta.ca
ER1	E Woolgar	CAB 669	MWF 11:15–12:15*	ewoolgar@ualberta.ca
ES1	C Contreras	CAB 622	MWF 11:30–12:30*	carlos.contreras@ualberta.ca
ET1	E Woolgar	CAB 669	MWF 11:15–12:15*	ewoolgar@ualberta.ca
EU1	A Berger	CAB 683	MWF 11:30–13:00*	berger@ualberta.ca
EW1	A Berger	CAB 683	MWF 11:30–13:00*	berger@ualberta.ca

*or by appointment

Textbook: *Differential Equations with Boundary Value Problems*, Boyce, U of A Custom Edition (based on Boyce and DiPrima 11th Edition), with WileyPlus access code.

Syllabus: Text Sections 1.3, 2.1, 2.2, 2.6, 3.1–3.8, 5.1–5.3, 6.1–6.6, 10.1–10.7.

Grading Scheme: Lab Quizzes: 10%
Written Homework Assignments: 10%
Midterm Exam: 30%
Final Exam: 50%
Students achieving 50% or more of the total available marks for the course will receive a grade of D or better. Students achieving 90% or more will receive an A. Between 50% and 90%, letter grades will be assigned in roughly equal intervals.
Grades are unofficial until approved by the Department and/or Faculty offering the course.

Exam dates, times: **Note:** The date of the final examination is set by the Registrar and takes precedence over the final examination date reported in this document. Students must verify this date on BearTracks when the Final Exam Schedule is posted.
Midterm: 14:00–15:30 Saturday, 9 Mar 2019.
Final: 14:00–16:00 Friday, 12 Apr 2019.
Deferred Final: 09:00 Saturday, 4 May 2019, check-in at 08:30 at CAB 357
There is **no** deferred midterm. Students who are team members wishing to travel to a competition **sanctioned by the Faculty of Engineering** and wishing to have coursework or an exam deferred may apply to the instructor by **Jan 28**. The application must be accompanied by a signed letter from the Dean of Engineering attesting that the competition is approved, that the student must travel as part of the UofA team, and that the student is in good standing in the Engineering programme.

Calculators: No calculators allowed in midterm or final exams.

Labs: There is a weekly 50 minute lab period. Labs begin Monday, 14 Jan.

Homework: There will be **5** written homework assignments. All written homework will count toward the final grade. *Late assignments will not be graded and will result in a mark of 0.*

Please check the course web page regularly for homework, solutions, and other relevant information.

Online Disclaimer: Online practice work is an optional component of this course and is provided by a third-party company. The University of Alberta is not responsible for the content of the third-party service or for any injury or damage arising from its use. Please be aware that this company will be storing information that may be associated with you. If you have any concerns about this, please contact the instructor of the course.

Help: Help with homework is available at the Decima Robinson Math Support Centre in CAB 528. The centre also conducts free exam study sessions. The Math and Applied Sciences Centre masc@ualberta.ca conducts review sessions for exams for a fee.

Further information

Missed Assignment/Lab: Failure to submit an assignment on time will result in a mark of zero.

Missed Midterm: A student who cannot write the midterm due to incapacitating illness, severe domestic affliction or other compelling reasons can apply for an excused absence. To apply for an excused absence, the student must present supporting documentation pertaining to the absence to the instructor within two working days following the scheduled date of the missed term work, or as soon as the student is able. In the case of an incapacitating illness, either a medical note or a statutory declaration (which can be obtained at the student's Faculty Office) will be accepted.

There is **no deferred midterm exam**. If you miss it and have a valid reason for doing so, the weight of the midterm will be transferred to the final exam. An excused absence is a privilege and not a right; there is no guarantee that an absence will be excused. Misrepresentation of facts to gain an excused absence is a serious breach of the Code of Student Behaviour.

Students who are team members wishing to travel to a competition **sanctioned by the Faculty of Engineering** and wishing to have coursework or an exam deferred may apply to the instructor by **Jan 28**. The application must be accompanied by a signed letter from the Dean of Engineering attesting that the competition is approved, that the student must travel as part of the UofA team, and that the student is in good standing in the Engineering programme.

Missed Final Examination: A student who cannot write the final examination due to incapacitating illness, severe domestic affliction, or other compelling reason can apply for a deferred final examination. **Such an application must be made to the student's Faculty office within 48 hours** of the missed examination and must be supported by a Statutory Declaration (en lieu of a medical statement form) or other appropriate documentation (Calendar section 23.5.6). Deferred examinations are a privilege and not a right; there is no guarantee that a deferred examination will be granted. Misrepresentation of Facts to gain a deferred examination is a serious breach of the Code of Student Behaviour.

Excused Absence Where the Cause is Religious Belief: For an excused absence where the cause is religious belief, a student must contact the instructor within two weeks of the start of Fall or Winter classes to request accommodation for the term (including the final exam, where relevant). Instructors may request adequate documentation to substantiate the student request.

Re-examination: A student who writes the final examination and fails the course may apply for a re-examination. **Apply at the Faculty of Science Student Services Office.** Re-examinations are rarely granted in the Faculty of Science. These exams are governed by University (Calendar section 23.5.5) and Faculty of Science Regulations (Calendar section 192.5.9). Misrepresentation of facts to gain a re-examination is a serious breach of the Code of Student Behaviour.

STUDENT RESPONSIBILITIES

Academic Integrity: The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.governance.ualberta.ca) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University. All forms of dishonesty are unacceptable at the University. Any offence will be reported to the Senior Associate Dean of Science who will determine the disciplinary action to be taken. Cheating, plagiarism and misrepresentation of facts are serious offences. Anyone who engages in these practices will receive at minimum a grade of zero for the exam or paper in question and no opportunity will be given to replace the grade or redistribute the weights. As well, in the Faculty of Science the sanction for cheating on any examination will include a disciplinary failing grade (no exceptions) and senior students should expect a period of suspension or expulsion from the University of Alberta.

Exams: Your student photo identification is required at exams to verify your identity. Students will not be allowed to begin an examination after it has been in progress for 30 minutes. Students must remain in the exam room until at least 30 minutes has elapsed. During exams students are not allowed to use textbooks, notes, formula sheets, calculators, cell phones, or any other electronic equipment.

Audio or Video Recording: Audio or video recording, digital or otherwise, of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Student or instructor content, digital or otherwise, created and/or used within the context of the course is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the content author(s).

Students with Disabilities: Students who require accommodation in this course due to a disability are advised to discuss their needs with Specialized Accessibility Services (2--800 Student Union Building).

Academic Support Centre: Students who require additional help in developing strategies for better time management, study skills or examination skills should contact the Academic Support Centre (2-300 Student Union Building).

Decima Robinson Support Centre: Students in any **100- or 200-level math or stats** course can drop in to CAB 528 for course help from graduate student TAs. Drop-in help for math runs MTWRF 9:00AM to 3:00PM.

Access Outreach: Access Outreach is a support centre that has math tutors, writing tutors, and social workers. If you require a tutor for your **math background** or could use support for your general well-being, please contact Access Outreach.

Policy about course outlines can be found in section 23.4(2) of the University Calendar.

Disclaimer: Any typographical errors in this Outline are subject to change and will be announced in class.

Tentative Weekly Schedule:

Note: The following schedule of course topics is meant as an approximate guide only. It will not be unusual to deviate from this schedule.

Week	Dates	Text Sections	Notes
Week 1	Jan 7–11	1.3, 2.1, 2.2	
Week 2	Jan 14–18	2.6, 3.1, 3.2	Labs start Monday Jan 14
Week 3	Jan 21–25	3.3, 3.4	HW 1 due 23:00 Thursday, Jan 24
Week 4	Jan 28–Feb 1	3.5, 3.6	
Week 5	Feb 4–8	3.7, 3.8	
Week 6	Feb 11–15	5.1, 5.2, 5.3	HW 2 due 23:00 Thursday, Feb 14
Reading Week	Feb 18–22		
Week 7	Feb 25–Mar 1	6.1, 6.2	
Week 8	Mar 4–8	6.3, 6.4	HW 3 due 23:00 Thursday Mar 7 Midterm Exam Saturday Mar 9
Week 9	Mar 11–15	6.5, 6.6	
Week 10	Mar 18–22	10.1, 10.2	HW 4 due 23:00 Thursday, Mar 21
Week 11	Mar 25–28	10.3, 10.4	
Week 12	Apr 1–5	10.5, 10.6	
Week 13	Apr 8–10	10.7	HW 5 due 23:00 Monday, Apr 8