

Instructor: Wesley Burr, Jeffrey Hall 215, wburr@mast.queensu.ca

Office Hours: Monday 10:00-12:00, Thursday 1:30-2:30pm.

Course Website: <http://www.mast.queensu.ca/~wburr/APSC171J/>

Textbook: *Calculus – Early Transcendentals*, Stewart 7E

Prerequisites: APSC 171 (regular term course) **or permission of the Dean**

Course Outline: The course will cover the required curriculum, although in a shortened and more focused fashion than the regular term course. Some material will be only lightly covered in lectures, and students will be expected to complete **mandatory** assignments to reinforce concepts. The textbook coverage for the material in the curriculum is:

- Parametric Curves and Vector-Valued Functions, Motion in Space: §1.1, 10.1, 13.1, 13.2, 13.4
- Derivatives, Implicit Differentiation, Differentials, Tangent-Line Approximations: §3.5, 3.6, 3.7, 3.10
- Limits, L'Hopital's Rule, Optimization: §4.4, 4.7
- Integration: §5.1, 5.2, 5.3, 5.4, 5.5
- Applications of Integration: §6.1, 6.2, 6.3, 6.4
- Further Integration Techniques: §7.1, 7.4, 7.7, 7.8
- Differential Equations and Modeling: §9.1, 9.3, 9.4

Grading for students enrolled in APSC 171J: So long as all assignments are turned in for marking, your grade will be composed of four parts:

- Email Check: 2% (before Jan. 16)
- Homework: 40% (5 assignments, varying percentages for each)
- Quizzes: 8% (2 quizzes, in tutorials, more below)
- Exam: 50% (February 20, 1:00pm)

If you fail to hand in any assignment, regardless of your mark on the rest of the coursework, you **will receive a failing grade**. Completing the coursework is mandatory. Exceptions will not be granted.

Grading for students taking the exam only: Your grade will be the best of the following two options:

- Exam: 100% (February 20, 1:00pm - same exam as the registered APSC 171 Section 900 students)
- Exam: 60%, Course-work: 40%

Email Check: On the first day of class I will request an “email check”. Students will have to use their Queen’s email (e.g., 8abc@queensu.ca) and send an email to the instructor’s email (wburr@mast.queensu.ca) confirming their enrollment in the course, their student number, and their understanding of the marking scheme for the course. Completing this step will result in a 2% portion of the final grading scheme.

Homework: There will be 5 homework sets assigned, due each Thursday in class. These will be comprised of examination-style questions. These homework sets / assignments are mandatory, and any student who fails to turn in all 5 will automatically **fail the course**. **However**, late assignments **will** be accepted. The assignments are due (firm deadline) Thursday **in class**. If you hand in the assignment:

- On the following Monday: you automatically lose 20% of that assignment’s marks
- On the following Wednesday: you automatically lose 50% of that assignment’s marks
- On the following Thursday: you automatically lose 75% of that assignment’s marks
- Any time after this: you automatically lose 100% of that assignment’s marks

Note that if you fail to turn in an assignment within 1 week of it originally being due, you lose all of the marks on the assignment. This **does not** mean that you do not have to turn in the assignment! The assignment turn-in is still mandatory, and you will be expected to complete and turn in the assignment for 0 points credit. Failure to do this will result in a failing grade in the course.

No assignments will be accepted after 5:30pm, Thursday, February 14th. Note that this means the fifth and final assignment **must** be handed in during the last class – no late turn-ins can be accepted for the last assignment, as the university prohibits assignment turn-in during the exam period (regularly), and we will honor the spirit of that rule for this compressed-term course.

Quizzes: There will be two half-hour quizzes during the tutorials. They will be in the third (Jan 30, 9:30am) and fifth (Feb 13, 9:30am) tutorials. The quizzes will begin at the start of the tutorial, which is 9:30am, and we will use the remaining 15 minutes (after quizzes are collected) for regular tutorial time.

Exam: The 3-hour written exam will be scheduled by the university in the Spring Break week on February 20th, 1:00pm. The material of the exam will be similar to the main APSC 171 course, for which a number of previous exams are available on ExamBank.

Academic Integrity: The university has a statement which I will reproduce here:

Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (see www.academicintegrity.org). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the “freedom of inquiry and exchange of ideas” essential to the intellectual life of the University.

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments conform to the principles of academic integrity. Further information on academic integrity is available on the **Academic Integrity @ Queen’s** website at <http://www.queensu.ca/academicintegrity/index.html>.

Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen’s. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university. In particular, given the structure of this course, plagiarism on assignments and cheating on the quizzes or final exam constitute the extent of the academic integrity issues.

Important Dates:

First Day of Class	January 14, 2013
Quiz #1	9:30am, Jan 30, 2013
Quiz #2	9:30am, Feb 13, 2013
Final Exam	1:00pm, February 20, 2013