

COURSE OUTLINE

1. Course: MATH 249 Introductory Calculus

L01: MWF 10:30-12:55, EEEL 161, Joseph Ling, Office MS 416 Tel. No. 403-220-3958, e-mail jling@ucalgary.ca, Office Hours: MF 09:00-10:25

Desire 2 Learn (D2L) course name: MATH 249 L01 - (Spring 2015) - Introductory Calculus.

Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

2. Prerequisites: A grade of 70 per cent or higher in Pure Mathematics 30 or Mathematics 30-1. (Alternatives are presented in the paragraph titled Mathematics Diagnostic Test in the Program section of this Calendar). <http://www.ucalgary.ca/pubs/calendar/archives/2014/mathematics.html#6944>

3. Grading: The University policy on grading and related matters is described sections [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignments (6)	29%
D2L surveys (2)	1%
Midterm test (1)	20% (June 5, 2015)
Final Examination	50% (To be scheduled by the Registrar)

A passing grade on the final exam is required to receive an overall grade of C- or better in the course. This is to ensure that those students who receive a C- or better have a reasonable chance of succeeding in courses that require this course as a prerequisite.

Each piece of work (assignment, laboratory report, midterm test or final examination submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade [bearing in mind that a D+ grade or lower will result if the student does not pass the final examination], The conversion between course percentage and letter grade is given below:

Letter Grade Conversions	
Letter Grade	% range
A+	>95
A	88–94.5
A-	84–87.5
B+	80–83.5
B	76–79.5
B-	72–75.5
C+	68–71.5
C	64–67.5
C-	60–63.5
D+	55–59.5
D	50–54.5
F	<50

4. Missed Components of Term Work: The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See

also [Section E.6](#) of the University Calendar. In the event of unlikely health problem the following form Physician/Counsellor Statement: http://www.ucalgary.ca/registrar/forms_students must be accompanied by either “Application for Deferred Final Examinations” or an “Application for Deferment of Term Work” in order to gain approval for such request. For all other missed term work such as quizzes, assignments or midterms the Physician/Counsellor form must be handed directly to your instructor of the course for approval.

5. Course Materials:

Online Course Components: Lyryx Learning (assignments): We will be using the Lyryx system for homework purposes, offering formative online assessment in an effort to support student learning. The student license is normally \$39.95+GST payable upon registration on the Lyryx system. Lyryx is offering students access to their Lyryx online homework at no cost when using University computers, including in MS317, 515, 521, & 571, AFC, TFDL and ES160 computers labs. The normal license fee will continue to be charged to students who chose to access Lyryx from off campus or other locations.

Texts: Suggested: A (free) open text in electronic form is available in your Lyryx account. It can be freely distributed and printed.

Optional: Any version and any edition of James Stewart’s textbook on Calculus – current editions of some versions are sold at the University of Calgary bookstore.

6. Examination Policy: Calculators (or any other electronic aid) are NOT permitted during the midterm tests or the final examination. Students should also read the Calendar, [Section G](#), on Examinations.

7. Approved Mandatory and Optional Course Supplemental Fees:

The student license is normally \$39.95+GST payable upon registration on the Lyryx system.

Lyryx is offering students access to their Lyryx online homework at no cost when using University computers, including in MS317, 515, 521, & 571, AFC, TFDL and ES160 computers labs. The normal license fee will continue to be charged to students who chose to access Lyryx from off campus or other locations.

8. Human studies statement:

As part of a continual effort to seek effective ways to enhance students’ learning experience in mathematics at the University of Calgary, the instructor of Math 249 for Spring 2015 (Dr. Joseph Ling) and Dr. Michael Cavers of the Departmental of Mathematics and Statistics are interested in collecting data to determine the impacts of a student-weighted method of scoring multiple-choice tests on students’ learning, their course performance, and possible effects on their performance in subsequent mathematics courses.

In order to do this effectively, we need your permission to use some of your course materials for our research. First, after the course is over we would like to use some of the course materials (midterm tests and exams) that you completed to measure how well you have learned the course material and the level of confidence you feel about your knowledge of the course material.

We will administer two surveys, one after the midterm test and one after the final examination, to gain a better understanding of how you evaluate your experience with the student-weighted method of scoring multiple-choice tests. These surveys will be administered through D2L and they are part of your course work. We would like your permission to use your responses on these surveys for our research project.

If you agree to give us permission to use this information for our research, we will ask you to read and electronically sign a consent form. In order for us to use this information we need your consent and should you agree to participate then you can complete and sign the online consent form on SurveyMonkey/Qualtrics/Fluidsurveys. The link to the online consent form will be provided at the time when we send you the invitation to participate in the research. Your participation is voluntary and in no way will affect your grade in this course. Your instructor will not have access to your consent forms until after final grades are submitted. Your instructor will not know if you have chosen to participate or not when assigning your final grade.

All data will be reported in aggregate. You will never be identified in any of the research materials we might present or publish after the course is over.

9. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **Academic Misconduct:** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: [Calendar entry on students with disabilities](#) and [Student Accessibility Services](#). MSC452 Phone: 220-8237
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPPA). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: suypaca@ucalgary.ca SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and science3@su.ucalgary.ca; Student Ombuds Office: 403 220-6420 Email: ombuds@ucalgary.ca; <http://ucalgary.ca/provost/students/ombuds>
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.