

**Course material.**

TEXTBOOKS. *Calculus, Concepts and Contexts*, vols. 1 and 2, by James Stewart.

SOLUTIONS MANUAL. A manual, containing detailed solutions to the odd-numbered exercises in each chapter, is available for each volume.

BOOKSTORE. The material can be purchased at the NEU bookstore or online at:

<http://northeastern.bkstore.com>

**Course objectives.**

This course is a one-semester continuation of the subject of Calculus, following the material covered in the syllabus of MTHU241. Its main goals are to understand:

1. the concept of integral, and to display that understanding through a variety of applications,
2. the concepts of sequences and series, and the use of Taylor Series as approximations to functions,
3. the rudiments of the algebra of vectors in 2 and 3-dimensional space.

**Class information.**

Meetings: 4:35-5:40 MWTh in Rm. 108 of the Snell Engineering Center (SN).

Instructor: V. Toledano Laredo (course coordinator).

Office: 528 Nightingale Hall (NI).

Office Hours: MW 5:40–7:00.

Phone: (617) 373 55 26.

Email: [V.ToledanoLaredo@neu.edu](mailto:V.ToledanoLaredo@neu.edu)

**Problem session.**

A weekly problem session will be run by Jenna Claffey ([claffey.j@neu.edu](mailto:claffey.j@neu.edu)) on Tuesdays 3–4:30, in room 7 of the Snell Library (SL). In case of a conflict of schedule, students may attend the problem sessions of the other sections of this course:

- Wed. 3–4:30, Snell Library (SL), room 7, mentor: Kara Fordyce, [fordyce.k@neu.edu](mailto:fordyce.k@neu.edu) (instructor: Prof. N. Zaarour).
- Wed. 4:30–6, Forsyth building (FR), room 150, mentor: Andrew Swenson, [aswens@gmail.com](mailto:aswens@gmail.com) (instructor: Prof. M. Gilmore).

Students are advised however that part of the problem session will be devoted to discussing the course's quizzes which are specific to each section.

**Exams.**

QUIZZES. There will be a quiz every Thursday, at the start of class. The average of these quizzes accounts for 40 % of the course's grade. There will be no make-up quizzes; instead, I will drop the two lowest quiz scores. This policy applies even if a student has a perfectly justifiable excuse to miss a quiz. Should that be the case, that quiz will be one of those to be dropped.

MIDTERM EXAM. There will be a one hour exam during the eighth week of course, on Thursday, March 1st. This hour exam will count as 20% of the course's grade.

FINAL EXAM. The two hour, common, commonly graded, final exam will take place on Tuesday, April 24 at 3:30pm. This exam will count as 40% of the course's grade. Please refer to [www.registrar.neu.edu/finexsched.html](http://www.registrar.neu.edu/finexsched.html) for the room and building in which the exam will be held. All students without legitimate conflicts (approved by the instructor) must take the exam at the scheduled time. Do not make travel plans that conflict with it.

MATERIAL ALLOWED DURING EXAMS. No course material, notes or summary cards will be allowed during quizzes and the midterm and final exams. The use of a calculator will not be allowed during quizzes and the midterm exam.

### **Course grades.**

The course letter grades will be obtained from the numerical grades as follows:

<b>A</b> =93 and over	<b>B<sub>+</sub></b> =87-89	<b>C<sub>+</sub></b> =77-79	<b>D<sub>+</sub></b> =67-69	<b>F</b> =below 60
<b>A<sub>-</sub></b> =90-92	<b>B<sub>-</sub></b> =80-82	<b>C<sub>-</sub></b> =70-72	<b>D<sub>-</sub></b> =60-62	

0.5 and more will be rounded up to 1, 0 to 0.49 to 0.

### **Concerns and Conflicts.**

In case of concerns about the course, or the instructor that cannot be resolved by speaking with the instructor, please contact the course coordinator:

Professor V. Toledano Laredo  
528 Nightingale Hall (NI)  
phone: (617) 373 55 26  
email: V.ToledanoLaredo@neu.edu

Should the matter still be unresolved, please contact the Undergraduate Director:

Professor A. Martsinkovsky  
471 Lake Hall (LA)  
phone: (617) 373 55 10  
email: alexmart@neu.edu

It is the University policy that no grade, including an incomplete, can be changed after one year. Exceptions may be authorised by the Academic Standing Committee.

### **Tutoring.**

Free tutoring is available to all students at the following locations:

- (1) Mathematics Tutorial Center, room 540B Nightingale (NI). Available from January 16 at the following hours:  
Monday–Wednesday 10 AM–9 PM  
Thursday 10 AM–6 PM  
Friday 10 AM–1 PM

This tutoring is done on a first come, first serve basis. Students must come in person to schedule appointments, no appointments can be made by phone.

- (2) Snell Library Tutoring Center, 242 Snell Library (SL), (617) 373 49 00. Students sign up for a single tutor for the whole semester, who arranges a time with them.

### **This syllabus.**

The instructor reserves the right to alter this syllabus according to the needs which may arise during the semester. It is each student's responsibility to be aware of any such changes which are announced in class, whether or not that student is present at the time of the announcement.