

## COURSE OUTLINE

Winter 2011

- 1. Course name:** PMAT 445 Analysis II  
**Lecture/Time:** L01 MWF 9:00-9:50 in MS 431  
**Instructor:** Dr. M. Lamoureux, MS 514, 403-220-8214, [mikel@ucalgary.ca](mailto:mikel@ucalgary.ca)  
**Office Hours:** TBA  
**Blackboard name:** PMAT 445 L01 (W2011PMAT445L01)
- 2. Prerequisites:** CALC III (one of MATH 353 or 381), Linear Methods II (MATH 311) and Analysis I (PMAT 435 or 455). Or by consent of the department. Not open to students with credit in PMAT 545.  
(see Section 3.5C of Faculty of Science [www.ucalgary.ca/pubs/calendar/current/sc-3-5.html](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html) and Course Descriptions: [www.ucalgary.ca/pubs/calendar/current/course-desc-main.html](http://www.ucalgary.ca/pubs/calendar/current/course-desc-main.html))

- 3. Grading:** The University policy on grading and related matters is described in 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:

<i>Assignments</i>	[ 4-5 ]	40 %
<i>Midterm Test</i>	[ 1 ]	20 %
<i>Final Exam</i>		40 % (To be scheduled by the Registrar)

The various components above will be assigned a score on the A/B/C/D/F scale and will be combined with the indicated weights to produce an overall mark on the 4.0 scale. Should there be any changes from the usual conversion between 4.0 scale and final letter grade, this data will be provided at least one week before the withdrawal deadline.

A passing grade in the Final Examination is required for an overall grade of C- or better.

- 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: [www.ucalgary.ca/pubs/calendar/current/sc-3-6.htm](http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.htm). It is the student's responsibility to be familiar with these regulations. See also [www.ucalgary.ca/pubs/calendar/current/e-3.html](http://www.ucalgary.ca/pubs/calendar/current/e-3.html).
- 5. No out-of-class-time activity is scheduled.**
- 6. Textbook:** "Introduction to Real Analysis" by Bartle and Sherbert. Third Edition. (Required).  
Supplemental texts are "Advanced Calculus" by R.C. Buck, or "Calculus on Manifolds" by M. Spivak. (Not required)
- 7. Examination Policy:** The use of outside aids such as textbook, notes, calculator or computer is not permitted. Students should also read the Calendar, Section G, on Examinations: [www.ucalgary.ca/pubs/calendar/current/g.html](http://www.ucalgary.ca/pubs/calendar/current/g.html)
- 8.** There are no optional or mandatory **course fees**.
- 9.** In this course, the quality and clarity of the student's writing in formal assignments will be a factor in the evaluation of those reports. Students may collaborate and work in groups on assignments, but the final write-up of each assignment must be done independently for each student. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.
- 10.** There are no "human studies" in this course. Students are NOT expected to participate in human studies as subjects or researchers. See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

### 11. 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 K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) 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 at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:  
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>  
Disability Resource Centre: <http://www.ucalgary.ca/drc/>
- (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 (FOIPP). 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:** 220-3911 **Email:** [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca).  
SU Faculty Rep. **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca) **Website** [www.su.ucalgary.ca/home/contact.html](http://www.su.ucalgary.ca/home/contact.html).  
Student Ombudsman: <http://www.su.ucalgary.ca/services/student-services/student-rights.html>
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** 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.