COURSE OUTLINE
WINTER 2013

1. Mathematics 253 – Calculus II

Lec	Day	Time	Instructor	Office	Phone	Email	Office Hours
01	MWF	9:00-9:50	K. Bauer	MS 578	220-7675	bauerk@ucalgary.ca	By appointment
02	MWF	12:00 – 12:50	M. Bauer	MS 386	210-8456	bauerm@ucalgary.ca	By appointment

Course Website or Blackboard course name: Math 253 L01 – (Winter 2013) – Calculus II
Math 253 L02 – (Winter 2013) – Calculus II

2. Prerequisites: Mathematics 249 or 251 or 281 or Applied Mathematics 217.
(see Section 3.5C of Faculty of Science www.ucalgary.ca/pubs/calendar/current/sc-3-5.html
and Course Descriptions: 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:

Assignments	[10]	10 %
Midterm Test	[2]	40 % (Feb. 12 and March 20, out of class)
Final Exam		50 % (To be scheduled by the Registrar)

The various components above will be assigned a percentage score and will be combined with the indicated weights to produce an overall percentage in the course. The conversion table between course percentage and letter grade will be provided at least one week before the withdrawal deadline.

A passing grade in the Final Examination is essential 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.html.** It is the student's responsibility to be familiar with these regulations. See also www.ucalgary.ca/pubs/calendar/current/e-3.html.

5. Dates and times of class exercises held outside of class hours: The midterm exams will be held Feb. 12 and March 20 from 19:00 – 21:00. Locations of the exams will be announced via Blackboard.

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY. If you have a conflict with any out of class time activity, please inform your instructor at least one week in advance of the activity so that other arrangements may be made for you.

6. Textbook: James Stewart, Single Variable Calculus: Early Trans HYBRID (SOFT BOUND BOOK, WITH FULL YOUBOOK & EWA ACCESS PLUS CUSTOM SUPPLEMENT), Thompson, Brooks/Cole, 7th edition.

7. Examination Policy: No calculators, notes or other devices will be allowed. Students should also read the Calendar, Section G, on Examinations: **www.ucalgary.ca/pubs/calendar/current/g.html**

8. A list and description of approved optional and mandatory **course fees**.
Enhance Web Assign (EWA) access for homework assignments. This comes with the textbook, or may be purchased separately. Access to EWA is valid for any course using Stewart's Early Transcendentals textbook. In particular, if you have EWA access for this textbook from a previous course (such as Math 249/251), you do not need to purchase it again, and any future courses requiring this textbook will not require purchasing EWA access again.

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 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@ucagary.ca.
SU Faculty Rep. **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca **Website http://www.su.ucalgary.ca/**
Student Ombudsman: **http://www.ucalgary.ca/provost/students/ombuds**

(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.

Approximate schedule:

Week	Date	Topic	Events
1	Jan. 8 - 11	1.5 Exponential functions. 1.6 Inverse functions & Logarithms.	Register for EWA.
2	Jan. 14 – 18	3.11 Hyperbolic functions. 7.1 Integration by parts.	HW 1 (1.5, 1.6, 3.11) due Jan. 20.
3	Jan. 21 – 25	7.2 Trigonometric Integrals. 7.3 Trigonometric substitution.	HW 2 (7.1, 7.2) due Jan. 27.
4	Jan. 28 – Feb. 1	7.4 Partial fractions. 7.5 Strategies for integration.	HW 3 (7.3, 7.4) due Feb. 3
5	Feb. 4 – 8	7.8 Improper integrals. 6.1 Areas between curves (review).	HW 4 (7.5, 7.8) due Feb. 10
6	Feb. 11 - 15	6.2 Volumes.	Midterm 1, Tuesday, Feb. 12.
	Feb. 17 – 24		Reading week. No lectures. HW 5 (6.1, 6.2) due Feb. 24.
7	Feb. 25 – Mar. 1	6.3 Volumes by cylindrical shells. 8.1 Arc length.	HW 6 (6.3, 8.1) due Mar. 3
8	March 4 – 8	8.2 Surface area (of an area of revolution). 9.1 Modelling with differential equations.	HW 7 (8.2, 9.1) due Mar. 10
9	March 11 – 15	9.3 Separable differential equations.	HW 8 (9.3) due March 17.

10	March 18 – 22	9.5 First order linear DE's. Second order linear DE's with constant coefficients.	Midterm Wednesday, March 20.
11	March 25 – 29	Second order linear DE's with constant coefficients.	HW 9 (Second order DE's) due April 1. No lectures March 29.
12	April 1 – 5	Taylor polynomials.	No lectures April 6. HW 10 (TBA) due April 7.
13	April 8 – 12	Review.	End of term.
	April 15	Last day of class.	

UNIVERSITY OF CALGARY

COURSE OUTLINE
ADDENDUM -- GRADING
WINTER 2013

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Final Exam		50 % (To be scheduled by the Registrar)

Each piece of work submitted by the student will be assigned a percentage score. The average percentage score for each item of a term component will be combined with its course component weighting listed above to form a weighted average which is to be the final score in the course. This final score, a percentage out of 100, will then be converted to a letter grade using the following conversion table:

≥ 90%	A ±
≥ 75%	B ±
≥ 60%	C ±
≥ 50%	D ±
< 50%	F

As noted in the Calendar, this conversion table could be adjusted, but only if the grades of the students will not be lowered.

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

Department Approval _____ Date _____