

Math171, Calculus I, Fall 2006

Section 1, 8-9AM, MTuWF, Swart 303

Section 4, 11:30AM-12:30PM, MTuWF Swart 2

Instructor: Dr. G. Bullington, Office: Swart 121, bullingt@uwosh.edu, 424-7351

Office hours: 9-10 Monday, Tuesday, and Friday. Outside these times, please contact me to make an appointment.

Textbook: *Calculus Concepts and Contexts*, 3rd edition, by James Stewart.

Prerequisites: 67-108, or 67-104 and 67-106 (with a grade of C or above) or four year college preparatory mathematics and a satisfactory score on a placement examination. In other words, you are expected to have a working knowledge of algebra and trigonometry (polynomial, exponential, logarithmic, circular and trigonometric functions).

About the course: We will work from sections 1.1-1.3, 1.5-1.7, 2.1-2.9, 3.1-3.8, 4.1-4.3, and 4.5-4.9. If time permits, we will investigate sections 5.1 and 5.2.

Graphing Calculator (required): The TI-83+ and TI_84 are the ones that I will use and will refer to in class, so I recommend it. (Other TI models such as the TI-85 or TI-86 may suffice if you know how to use them, but I may not be able to help you.) No mobile phones, laptops, or calculators with greater algebraic capabilities (such as the TI-89 and TI-92) are to be used during exams and quizzes.

If you need a calculator temporarily (for tests, quizzes, etc), you may borrow one from the UW-O Math department (Swart 115) with a Titan card.

Grading: There will be four one-hour exams, a comprehensive final exam, and several quizzes, problem sets and in-class activities. (See the **Class Schedule** which is posted on D2L.)

Quizzes, In-class activities, and assignments	16%
4 Exams	16% each
Final	20%

[90-100% is an A, 80-89% is a B, 70-79% is a C, 60-69% a D, and 0-59% an F.]

Intermediate grades (e.g., AB) will be assigned when a student is sufficiently close to the cutoff for the next highest grade. *There will be no make-up for any form of assessment and no curve at the end of the semester.*

Feedback on your performance in the course will come in two forms. There will be the qualitative (written) feedback on your problem sets and assignments that make specific comments about your work. There will also be quantitative (numerical) feedback from the grade you receive on each assignment. The problem set rubric that will be distributed on D2L will give meaning to each score that you receive on each problem.

On tests, quizzes and your final grade:

- A→Excellent
- B→Above average
- C→Average
- D→Below average
- F→Poor

Problem sets and in-class activities:

- Daily questions will be assigned and attendance will be taken.
- Often, in-class activities will be collected for a grade, so it is important that you attend each day. Each in-class activity will count as ½ of a problem set.
- Each student will present solutions to two assigned questions in front of the class. These two solutions will count, in total, as one problem set. A grading rubric for presentations is available on D2L.
- Four problem sets composed mainly from questions from the daily questions will be collected. It is important when writing these solutions to strive for clarity of exposition. Well-written, polished solutions should be submitted. Guidelines for preparation of problem sets and a grading rubric is available on D2L.

Note: Collaboration on problem sets with other members of the class is allowed, although solutions must be written up individually (in your own voice) and collaborators are to be acknowledged (cf. the UW-O student discipline code).

Quiz, Problem Set, and Exam Dates:

- Quizzes will be given in the testing center (Polk basement) outside of class-time. Their dates are as follows: Sept. 13 (W), Oct. 4 (W), Oct. 25 (W), Nov. 1(W), Nov. 21(T), Dec. 1(F)
- The problem sets will be due on Sept. 20 (W), Oct. 11 (W), Nov. 8 (W), and Dec. 6 (W).
- Exam 1: Tuesday, September 26th in class.
- Exam 2: Tuesday, October 17th in class.
- Exam 3: Tuesday, November 14th in class.
- Exam 4: Tuesday, December 12th in class.
- Final: Friday, December 15th.

Last Day To Withdraw Without Late Add/Drop Request Form: 10-20-2006 (F)

Thanksgiving Recess: November 22-26, 2006

Outside of class: Tutors are available free of charge in Swart 113.

Accommodations: The University of Wisconsin Oshkosh is committed to providing reasonable accommodations for students with disabilities. Please contact Disability Services [Dean of Students Office 125 Dempsey Hall 424-3100 (voice) 424-1319 (TTY)] for the University's accommodation request form and documentation requirements. Information related to an individual's accommodation request and/or arrangements will be confidential and will be shared with relevant University personnel or offices on a 'need to know' basis."

Academic Integrity at UW-Oshkosh: The University of Wisconsin Oshkosh is committed to a standard of academic integrity for all students. The system guidelines state: "Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors." (UWS 14.01, Wisconsin Administrative Code)

Students are subject to disciplinary action for academic misconduct, which is defined in UWS 14.03, Wisconsin Administrative Code. Students on the UW Oshkosh campus have been suspended from the University for academic misconduct.

Students are encouraged to review the procedures related to violations of academic honesty as outlined in Chapter UWS 14, Wisconsin Administrative Code. The system guidelines and local procedures are printed in the University of Wisconsin Oshkosh Student Discipline Code. The student discipline code can be viewed on the web at <http://www.uwosh.edu/dean/studentdisciplinecode.html>. Specific questions regarding the provisions in Chapter UWS 14 (and institutional procedures approved to implement Chapter UWS 14) should be directed to the Dean of Students Office.

Math 171 Tentative Schedule: (updated 7/18/06)

**Problem sets will most likely come from even questions.

PS-problem set (due), TS- (in) Testing Services in Polk, IC-in class

Week	Topics	Homework Assignment
1 Sept. 6-8	1.1	Section 1.1: #2,4,7,8,10,17,19,22,28,36,39,41,56,60,67/Page 22
2 Sept. 11-15	1.2,1.3, 1.5, 1.6 Quiz 1-Sept. 13 (TS)	Section 1.2: #2,3,4,8,12,15,18,19,22,23,25/Page 36 Section 1.3: #1(aceg),2(abde),3,4(ab),5,7,10,11,21,32,38,41,51/Page 45 Section 1.5: #1,4,11,13,17,18,22,25,26,30/Page 61 Section 1.6: #3,8,10,13,15,18,20,21,24,26,29,31,32,35,36,50/Page 72
3 Sept. 18-22	1.7, 2.1, 2.2 PS 1-Sept. 20	Section 1.7 #4,5,6,12,13,17,18,20,32,33,39,40(ac),42/Page 79 Section 2.1: #2,4,5,7,9/Page 97 Section 2.2: #1,2,4,6,8,9,10,22,25,28/Page 106
4 Sept. 25-29	2.3, Appendix D, 2.4 Exam1-Sept. 26 (IC)	Section 2.3: #1(bcfg),2(abe),5,8,9,10,15,16,17,20,26,32,36,43,44/Page 115 Appendix D: #1,2,3,7,9,10/Page A38 Section 2.4: #1,2,4,6,8,14,16,18,26,32,34,36,41/Page 126
5 Oct. 2-6	2.5,2.6,2.7 Quiz 2-Oct. 4 (TS)	Section 2.5: #1,4,5,6,8,14,23,25,27,30,33,35,39,40,45,47/Page 137 Section 2.6: #1,2,3,4,5,10,14,15,17,19,22,24(ab)/Page 145 Section 2.7: #1,2,3,4,5,6,10,12,17,19,25,28,29,30,31/Page 153
6 Oct. 9-13	2.8,2.9 PS 2-Oct. 11	Section 2.8: #1,3,4,8,9,11,12,19,23,31,32,38,39,43/Page 167 Section 2.9: #1,2,4,5,6,8,12(abcd),17,20,27/Page 178
7 Oct. 16-20	3.1,3.2,3.3 Exam2-Oct. 17 (IC)	Section 3.1: #1,2,11,16,21,22,23,26,28,30,38,42,58,63/Page 190 Section 3.2: #1,2,4,7,8,10,13,16,22,24,32,35,38,40,41,45/Page 198 Section 3.3: #1,2,4,7,15,18,24,25,27,29,33 /Page 210
8 Oct. 23-27	3.4, 3.5 Quiz 3-Oct. 25 (TS)	Section 3.4: #2,7,10,14,15,18,20,27,31,32,39,41,42,43/Page 218 Section 3.5: #3,6,7,16,17,19,21,29,31,35,41,44,45,46,48,57,59,79/Page 228
9 Oct. 30-Nov. 3	3.6, 3.7 Quiz 4-Nov. 1 (TS)	Section 3.6: #1,4,8,16,20,29,30,36,41,45,54/Page 238 Section 3.7: #1,2,7,8,10,20,35,36,39,41/Page 245
10 Nov. 6-10	3.8, 4.1 PS 3-Nov. 8	Section 3.8: #1,4,5,8,11,14,21,27,31/Page 252 Section 4.1: #1,2,4,7,9,10,12,16,18,23,27,29,31/Page 267
11 Nov. 13-17	4.2, 4.3 Exam 3-Nov. 14 (IC)	Section 4.2: #1,2,3,6,7,9,11,30,36,39,52,55,56,58/Page 274 Section 4.3: #1,2,3,4,5,6,7,12,20,24,27,30,32,34,49/Page 286
12 Nov. 20-21	4.3 Quiz 5-Nov. 21 (TS)	
13 Nov. 27-Dec. 1	4.5, 4.6, 4.9 Quiz 6-Dec. 1 (TS)	Section 4.5: #1,4,7,9,14,20,26,33,37,43,58/Page 303 Section 4.6: #4,7,8,9,11,16,19,22,23,25,38/Page 312 Section 4.9: #4,6,8,10,11,17,18,22,28,29,31,32,34,37,38,41/Page 332
14 Dec. 4-8	4.7, 4.8 PS 4-Dec. 6	Section 4.7: #1,3,4,5,7,10,15,16,18 /Page 320 Section 4.8: #1,3,4,6,11,13,18,22,23,24,25,32/Page 325
15 Dec. 11-15	Review Exam 4-Dec. 12 (IC) Final-Dec. 15 (IC)	