

Math 157----Calculus and Analytic Geometry I

Section I: MTWF 10:00-10:50 Herak 303

Section II: MTWF 11:00-11:50 Herak 244

Instructor: Shannon Overbay

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Office Hours: 2:00-3:00 Monday, Tuesday, Wednesday

Math Lab: Free tutoring is available in Herak 224. See schedule on lab door for hours.
My lab hour: Tuesday 12:00-1:00

Text: Essential Calculus, 1st edition, James Stewart

Grading System: During the course there will be four in-class examinations (no calculators), each worth 100 points and a comprehensive final examination worth 200 points. There will also be 100 points of WebWork (webwork.gonzaga.edu) homework given throughout the term. Your grade will be based on the total points earned on homework and exams.

A	630-700
B	560-629
C	490-559
D	420-489
F	0-419

Plusses or minuses may be attached to these grades at the discretion of the instructor.

Makeup Examinations and Homework: Exams shall be taken at the normally scheduled time. Exams must be taken early if circumstances such as athletic events conflict with the normal test time. In such cases, arrangements need to be made at least one week in advance. Late makeup exams are only given in case of a documented emergency. Missed homework cannot be made up.

Homework: Assigned homework has the following three purposes: (1) To specify the material students will be responsible for, (2) To provide relevant examples for class discussions and, most importantly, (3) To provide material through which the student can enhance their knowledge of the subject. WebWork problems are to be completed online and will be graded. An additional list of suggested problems from the book is provided in this syllabus. Suggested problems are for practice and will not be graded.

Disabled Student Services: Anyone requiring accommodations for a documented disability should make arrangements through the DREAM office x4134.

Academic Honesty: Academic Honesty should be maintained at all times. Any incidents of copying or cheating will result in a failing grade. Please refer to the student handbook for a description of the Academic Honesty policy.

THIS SYLLABUS IS SUBJECT TO CHANGE

Be sure to verify all exam and homework due dates with instructor.

MATH 157 --- Essential Calculus
Suggested Problems

Text: Stewart, 1st edition

Trig Review

Appendix A 1-37, 65-71

Functions and Limits

- 1.1 1, 3, 5, 17-39
- 1.2 5, 15-29, 35-39, 45-47, 53, 59
- 1.3 1-23, 29-31
- 1.4 1-23, 29-37, 43-47
- 1.5 3, 9-21, 25-39
- 1.6 1-7, 13-31, 41

Derivatives

- 2.1 1--19, 23-33
- 2.2 1-11, 17-23, 27-29, 33, 43
- 2.3 1-25, 29-47, 61
- 2.4 1-29, 33-45, 53
- 2.5 1-39, 43-59
- 2.6 1-25, 31
- 2.7 1-27
- 2.8 1-25

Applications of Differentiation

- 3.1 3-43, 57
- 3.2 1-7, 11-23
- 3.3 1-33
- 3.4 1-23, 31, 33
- 3.5 3-15, 21
- 3.6 3-13, 23, 25
- 3.7 1-37, 41

Integrals

- 4.1 1-7, 13, 15, 17a
- 4.2 1, 7, 11, 15-25, 29-43, 51
- 4.3 1-29, 37, 41, 43, 55, 57
- 4.4 1-19, 25, 27
- 4.5 1-47