

OHLONE COLLEGE COURSE SYLLABUS

COURSE NUMBER AND TITLE: MATH 101B Calculus/Analytic Geometry

INSTRUCTOR: Prof. Curtis Bressler CLASSROOM: 6204

DAYS/HOURS: M -> F, 8 -9 AM SEMESTER/YR: Fall 2009

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OFFICE HOURS: Mon, Wed & Fri: Room 2309, 12 – 1 PM

Tues & Thurs: HH-218-219, 12 – 1 PM

PREREQUISITES: MATH 101A with "C" or better

OBJECTIVES OF THE COURSE: The student will:

Apply the use of integrals to problems involving volumes of solids, arc length, surface area, and physics applications.

Integrate mathematical functions using integration by parts, trigonometric substitutions, partial fractions, integral tables, and other techniques.

Determine the solution to first-order differential equations

Determine convergence or divergence of infinite sequences and series.

Find polynomial representations of math functions by using power series.

Analyze mathematical relationships given in parametric and polar forms.

STUDENT MATERIALS-MEANS OF ACHIEVING OBJECTIVES:

Text: Smith & Minton; Single Variable Calculus (Early Transcendental Functions)

Third Edition 2007 ISBN 0-07-287030-3

Special Materials: Graphing Calculator (\$85) and Graph Paper (\$2)

CLASSROOM INSTRUCTION, EXAMINATIONS & COURSE REQUIREMENTS:

The grades for this course are based on the following items:

1. Attendance: You will receive one point for each class you attend by being on time and attending the whole class.
2. Homework: Your daily homework assignment is to work all the "every-other-odd" problems listed on the class schedule for that day. These homework assignments from each chapter are to be stapled together and turned in on the due dates listed on the Course Schedule. They must be done in pencil in your own handwriting. No Xerox copies will be accepted. Each of the 4 packets of homework assignments will receive a maximum of 5 points, as long as the assignments are complete and correct.
3. "No-Fault" Quizzes: Please see the back of the Course Schedule for more information.
4. Tests: There will be 3 one-hour exams each worth 100 points, the lowest of which will be dropped.
5. Required Comprehensive Final: 150 total points possible.

GRADING POLICY & EVALUATION OF STUDENT PERFORMANCE:

1. Assignments that are from 1-14 days late will receive HALF of the original points due even if you are absent on the original due date. Note: NO CREDIT for assignments that are over 14 days late. (Going out of town? Turn it in before you leave!)
2. If you are unable to be in class the day of one of the four regular in-class exams (due to illness, etc.), that is the grade which is AUTOMATICALLY dropped. NO MAKE-UP TESTS!
(Only exception: those having a written doctor's excuse)

Grade Distribution: Grades are based on a maximum of 441 points.

3 Regular Tests (Lowest Grade Dropped)	200 points
Attendance: (71 days, 1 point each day)	71 points
Homework (4 packets, 5 points each)	20 points
Required Comprehensive Final	150 points

The usual grading scale (90-100% = "A", 80-89% = "B", etc.) applies.

ATTENDANCE/WITHDRAWAL:

You may use Web Advisor to drop the class until Thursday, 11/19/09.

Even if you stop attending the class without officially dropping, you may be carried in the class to the end of the semester and receive an "F"!

ACADEMIC DISHONESTY:

Academic dishonesty defrauds all those who depend on the integrity of the College, its courses, and its degrees and certificates. Students are expected to follow the ethical standards required in Ohlone courses. These standards are defined in the Policy of Academic Dishonesty. * Violations of this policy include cheating (copying, in part or in whole, from another's test or obtaining answers from another person during the test) and plagiarism, (the act of representing the work of another as one's own) which will not be tolerated under any circumstances. Cheating during exams will result in an automatic zero for that exam—this grade cannot be dropped! Other penalties may include being removed from the class, and a written report of the infraction and the action taken being submitted to the Executive Dean of Student Services.

STANDARDS OF STUDENT CONDUCT & CLASSROOM CONDUCT:

The student has the right and shares the responsibility to exercise the freedom to learn. The student is expected to conduct himself/herself with standards of the College that are designed to perpetuate its educational purposes. These procedures are found in the Standards of Student Conduct and Discipline and Due Process Procedures. *

In addition, students are expected not to interfere with the learning process of other students. Therefore, private conversations and cell phone calls during class are not permitted. (Please turn off all cell phones and pagers before entering class.) Also, wearing attire appropriate for the classroom is expected.

COURSE CONTENT: Refer to the course schedule on the next page.

*(Copies of this policy are available in the offices of the Vice President, Educational Services/Deputy Superintendent, or Division Deans.)