



AMBROSE
UNIVERSITY COLLEGE

FACULTY OF
ARTS & SCIENCE

COURSE INFORMATION SHEET

MA 153 Calculus II

Winter 2012

Lecture: Wednesdays and Fridays 2:30 PM – 3:45 PM G 2195
Tutorial: Monday 11:15 AM – 12:30 PM A 2141

Calendar Description: (3-1) O

This course teaches functions and graphing, integrals and derivatives as well as exponential, trigonometric and logarithmic functions.

Prerequisites: MA 149

Instructor: John Wiest

E-mail: jwiest@ambrose.edu

Office: G2202

Office Hours: Monday 12:30PM- 1:30PM, Wednesday 12:00PM – 1:00PM, or by appointment

Text: *Calculus: Single Variable, 7th Edition*
Robert A. Adams & Christopher Essex
Pearson
ISBN13: 978-0-321-54927-3

Attendance:

Students are expected to attend all lectures and tutorials to ensure success on quizzes, exams, and assignments. All quizzes will be administered during tutorial hours. Students not attending lectures may find themselves missing information not covered in the textbook. Any student who is absent for a quiz or exam should speak to the professor and, where possible, provide a doctor's note when applicable.

Course Information:

The course consists of 2½ hours of lecture and 1¼ hour of lab/tutorial per week. As mentioned above, quizzes will be written during lab/tutorial hours. The best 4 (out of 5) marks on quizzes will be taken in for grades. Otherwise, the tutorial is a space where students will be asked to practice and demonstrate their growing knowledge of the course material. There will be two assignments consisting of assigned problems from your textbook. While all assigned questions will be required for submission, only a select few solutions, chosen by the instructor after submission, will be graded. Assignments should be handed in on loose leaf paper, written by hand, and be titled with the assignment number, the student's first and

last names, as well as their student identification number. Assignment due dates will be discussed in class by the instructor.

Course Objectives:

By the end of the course, students should

- 1) Understand inverses of functions, trigonometric functions and transcendental functions
- 2) Gain in understanding of integrals and methods of integration
- 3) Understand some of the applications of integration
- 4) Be able to find and use Taylor polynomials.
- 5) Be able to solve first and second order linear differential equations

Information covered in this course will be drawn from the following list of topics: inverse functions; exponential and logarithmic functions; growth and decay; inverse trigonometric functions; hyperbolic functions; integration by parts; integrals of rational functions; inverse substitutions; improper integrals; the trapezoid and midpoint rules; areas between curves; volumes by slicing; arc length and surface area; first order differential equations; second order differential equations; linear differential equations with constant coefficients non homogeneous linear equations; Taylor polynomials.

Marking:

Assignments	10%
Quizzes (best 4 out of 5)	30%
Midterm	25%
Final (cumulative)	35%

Grading Scheme

A+	96-100%	C+	67-69%
A	90-95%	C	63-66%
A-	85-89%	C-	60-62%
B+	80-84%	D+	54-59%
B	76-79%	D	50-53%
B-	70-75%	F	Below 50%

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Student Handbook and Academic Calendar. Personal information, that is information about an individual that may be used to identify that individual, may be collected as a requirement as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at privacy@ambrose.edu.

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a "Course Extension" from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the appropriate deadline (as listed in the Academic Calendar <http://www.ambrose.edu/publications/academiccalendar>). Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar and the Student Handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean.

Students are advised to retain this syllabus for their records.

Course changes, including adding or dropping a course, may be made during the Registration Revision period, as outlined in the Calendar of Events. All course changes must be recorded on a Registration form, available from the Office of the Registrar. Due to circumstances such as class size, prerequisites or academic policy, the submission of a Registration form does not guarantee that a course will be added or removed from a student's registration. Students may change the designation of any class from credit to audit up to the date specified in the Calendar of Events, although students are not entitled to a tuition adjustment or refund after the Registration Revision period.

Withdrawal from courses after the Registration Revision period will not be eligible for tuition refund. Students intending to withdraw from some or all of their courses must submit a completed Registration form to the Registrar's office. The dates by which students may voluntarily withdraw from a course without penalty are listed in the Calendar of Events. A grade of 'W' will be recorded on the student's transcript for any withdrawals from courses made after the end of the Registration Revision period and before the Withdrawal Deadline (also listed in the Calendar of Events). 'W' grades are not included in grade point average calculations. A limit on the number of courses from which Academic a student is permitted to withdraw may be imposed. Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Office of the Registrar in writing within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal to review final grades. If the appeal is sustained, the fee will be refunded.

Academic dishonesty is taken seriously at Ambrose University College as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from Ambrose. Students are expected to be familiar with the policy statements in the current academic calendar and the student handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

Important Dates:

Jan. 11	Classes Begin
Jan. 22	Last day to enter course without permission, withdraw from a course, change to audit and receive tuition refund
Jan. 23	Quiz 1
Feb. 6	Quiz 2
Feb. 20	Family Day (No Classes)
Feb. 21-25	Mid-Semester Break (NO Classes)
Feb. 29	Midterm Exam.
Mar. 5	Quiz 3
Mar. 7	Global Impact Day (No classes)
Mar. 16-18	LYC
Mar. 19	Quiz 4
Mar 23	Last day to withdraw from courses without academic penalty
Mar 26	Ambrose Research Conference
Apr. 2	Quiz 5
Apr. 6	Good Friday (NO classes)
Apr. 9	Last day to request revised time for a final examination.
Apr. 12	Last day of classes

SATURDAY APRIL 21, 2012: FINAL EXAM 9:00 AM AIRHART

Students may request revised final exams if they have three exams in one 24-hour period or two exams at the same time. Final exam schedule revision request forms are available at the Registrar's Office and must be handed in by Monday, April 9, 2012. If you do not have your request in by this date, all exams within a 24-hour period will have to be written as scheduled. If you have two exams at the same time, you will be given four hours to write both exams. Graded final examinations will be available for supervised review at the Academic Office (L2044) and will be destroyed after six months.