

Math 100-02 Calculus with Algebra I Fall 2006

Department of Mathematics and Computer Science
Duquesne University, Pittsburgh, PA

Instructor: Mr. Joseph Worthington
Office: 432 College Hall
Office Phone: 412-396-6437
E-mail address: jcwor@juno.com
Office Hours: Monday and Wednesday 9:00am - Noon
Tuesday and Thursday 8:00am - 9:00am

Note: I am typically not in my office on Fridays, but for Monday through Thursday, I am in my office at other times besides my office hours, so if you need help at times other than my office hours, for goodness sakes stop by, and if I'm here, I'll do my best to help you. Also, if you have a question over the weekend (or any other day) that can be cleared up through e-mail, don't hesitate. I am very prompt at returning all e-mail correspondence. (again, except for Fridays; if you e-mail me on a Friday, it will probably be Friday evening before I get back to you)

Class Times: Tuesday and Thursday 10:50am - 12:05am
Class Room: 713 Fisher Hall

Required Textbook: Calculus with Applications by Lial, Greenwell, and Ritchey. (Eighth Edition)

Course Content/Goals: This course will cover algebra and calculus material. The students are expected to apply the algebraic concepts to relevant calculus problems. The material will cover basic algebra, equations, inequalities, factoring, graphing, elementary functions, limits, continuity, rates of change, and derivatives. This class will take a moderately analytic approach to calculus, and you will find yourself thinking on a level that may be new to you. However, if you stick with it, you will find that you are capable of much more than you ever thought possible in the past.

Attendance: Attendance is not mandatory, but believe me when I tell you that it will ultimately play a crucial role in your success in this class. If you aren't here, you won't get the benefit of the lecture, and as a result, your overall understanding of the material will not be as good as you'll need. (just getting the notes from somebody else in the class might seem to be sufficient, but trust me, it isn't)

Homework: Homework will be assigned at the end of each class and will be due at the beginning of the next class. I will **not** accept late homework. The only exception to this rule is if you have a valid and properly documented medical excuse or if you have a death in your family. (I will make the necessary phone calls to check the validity of your excuse)

Exams: In this class there will be three unit exams and a comprehensive final exam. No calculators are permitted while taking any of the exams. There are **no** make-up exams. If you don't show up for an exam, you will get a 0%.

Quizzes: There are no quizzes for this class.

Grading: The three unit exams are each worth 20% of your final grade. The homework is worth 15% of your final grade, and the final exam is worth 25% of your final grade.

Final Grade	Percentage
A	93%-100%
A-	90%-92%
B+	87%-89%
B	83%-86%
B-	80%-82%
C+	77%-79%
C	70%-76%
D	60%-69%
F	0%-59%

Tentative Exam Dates: Except for the final exam, these dates are **not** carved in stone, but they are a pretty reasonable estimate on when you will be taking the exams.

Exam 1: Sept 28, 2006

Exam 2: Oct 31, 2006

Exam 3: Nov 30, 2006

Final Exam: Monday Dec 18, 2006 at 1:15pm

Academic Honesty: Students are expected to abide by all of the rules of conduct outlined in the Student Handbook. (<http://www.duq.edu/frontpages/aboutdu/studenthandbook.pdf>, page 11) A student found cheating on an exam or assisting others on an exam will receive an F for the course and will be subject to further university sanctions. Copying another student's assignment is considered cheating and will result in a 0 for that assignment. One other note about cheating: I have been in this college business for a while now, (as a student and teacher) and I have never encountered a situation where cheating is a good thing or where cheating brings about good results. Folks, it is **never** worth it. You don't get ahead in life by cheating. You might think that you do, but you really don't. (the sooner you learn that, the better)

Teacher's Advice: This is a **3** credit hour class, and it is **college level calculus**. Let's face it. There is a reason that people run from college math classes. They are hard! If you don't give forth an honest effort, I know from experience as both a student and teacher that you will not be successful in this class. The general rule for a college class is that for every hour spent in class, you should spend 3 hours studying for it outside of class. If you follow that rule here, you will spend 9 hours per week outside of class studying calculus. If you do that, your chances for success in this class go up considerably. I am also a realist though. I know that most or all of you won't put in that kind of time. But, if you will simply put in one hour per day outside of class seven days per week, and if it is an honest hour of work, you will see that you are more than capable of learning this material. Also, it makes studying for exams a breeze. You aren't trying to learn the material the night before the test. You are simply reviewing it. If you do wait until the night before the exam, you are making a huge mistake. Even if you stay up all night studying, it won't work. Math can't be learned in one day. It takes consistency and familiarity. With most of this material, there is a certain amount of "absorbing in" time. These concepts are not always so easy that you can just see it and then know it. It simply takes time.

For Students with Disabilities: Students with documented disabilities are entitled to reasonable accommodations if needed. If you need accommodations, please contact the Office of Freshman Development and Special Student Services in 309 Duquesne Union (412-396-6657) as soon as possible. Accommodations will not be granted retrospectively.

Good Luck for the Semester!!!