Syllabus: Math 143 Calculus II, Spring 2011

Course Math 143 section 4 meets MTWF 1:10-2:00 in RH 222
Course web page http://mathcs.slu.edu/~clair/calc2

Instructor Dr. Bryan Clair
bryan@slu.edu
Ritter Hall 110, 977-3043

Office Hours Tu2-3, W 10-11, F 10-11, or by appointment. Stop by my office anytime, and if I'm around I can usually help you.

Textbook Calculus, 5ed, Huges-Hallet, Gleason, McCallum, et al. This course will only require the single variable version, but if you plan to continue into Calculus III, you should own the full multivariable version.

Homework There will be two kinds of homework in this class: Electronic homework on WeBWorK and written homework to be handed in on paper.
Webwork problems are generally routine computations you need to practice to become comfortable with the course material. You submit answers to these problems at the webwork site (http://webwork.slu.edu), and receive immediate feedback.
Written homework assignments will generally be due on Wednesdays, and will consist of more involved problems. Your work should be neat and legible, with plenty of blank space on your pages so I have room to write comments. Staple your homework!
I encourage you to work together on homework, but everyone should write up results separately. You should also feel free to check your homework by looking at solutions in the book or using technology, and then making corrections.
I grade homework as +, ✓, or 0. Late homework is always accepted for half credit, but I will not write comments.

Exams I give makeup exams only for severe and documented reasons.
Exam 1 Friday, February 18
Exam 2 Friday, April 1
Final Exam Monday, May 16, 12:00-1:50

In addition, there will be short (10 minute) quizzes every Friday.

Grading Grading is on a straight scale (uncurved), with 90%, 80%, 70%, 60% guaranteeing A, B, C, D respectively. Grading is weighted as follows:

Homework: 20%
Quizzes: 10%
Exam 1: 20%
Exam 2: 20%
Final Exam: 30%

**Honesty**  Students are expected to be honest in their academic work, as per the Honesty Policy of the College of Arts & Sciences. Plagiarism, cheating and dishonesty will be reported to the dean and may result in probation, expulsion, or worse.

**Course Topics**  The amounts of time are only approximate.

Integration review. 1 week.
Techniques of integration. Ch 7.1-7.4. 2 weeks.
Approximating integrals. Ch 7.5, 7.6. 1 week.
Improper integrals. Ch 7.7, 7.8. 1 week.
Applications of integration. Topics in Ch 8. 2 weeks.
Sequences and series. Ch 9. 3 weeks.
Taylor series. Ch 10. 2 weeks.
Differential equations. Topics in Ch 11. 3 weeks.