CALCULUS 1 MTWF 2:00-2:50PM FALL 2003 HICKOK 207

Instructor:	Jonathan White
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Office:	Hickok 206A
Office Hours:	MTWF 9:00-9:50am and by appointment
Office Phone:	399-8280
Home Phone:	841-5111 (between 7am and 10pm)
Text:	*Calculus, Single and Multivariable*, 3rd Ed., Hughes-Hallett et al., Wiley
Problem Sets and Quizzes:	Assorted Problem Sets will be given throughout the term to supplement class work. Many of these will benefit from the use of the software package Maple, which is available on the computers in the labs throughout campus. Quizzes will also be given frequently. Combined these will be worth 200 points (29% of the final grade).
Exams:	There will be three exams during the course of the semester, administered during class time. The dates of these are indicated in the schedule on the back side of this sheet. These exams will be worth 100 points (14% of the final grade) each. The final exam will be given at the time listed on the back side of this sheet, and will be worth 200 points (29% of the final grade).
Grading:	Grading will approximately follow a 90% A, 80% B, 70% C, 60% D scale.
Makeups:	Makeups for quizzes and exams will be allowed only under extenuating circumstances, with documentation and advance notice when possible.

This course is being taught using a text that relies heavily on the use of technology, i.e. computers and graphing calculators. It is not absolutely required that you own a graphing calculator, but it will be very helpful. Some of the assignments may require use of a graphing calculator or computer, but the computers in the lab in HH 207 will be available and more than sufficient if you don't have your own. I reserve the right to restrict what calculators are used on quizzes and exams (specifically TI 89's will not be allowed on some occasions).

Calculus is a demanding course, but the text being used heavily emphasizes understanding rather than the more traditional algebraic manipulations. Students who have in the past felt they weren't good at math might find this class more suited to them, and students who have previously found math classes easy because of an aptitude for moving symbols around might find there's more to this class than they expect. In either case, this class isn't likely to be quite what you're used to, and it might be unsettling at first. Give it some time, and feel free to take advantage of my office hours to help past the rough spots.

Tentative Schedule

Monday, August 25th Introduction	Tuesday, August 26th §1.1 Functions and Change	Wednesday, August 27th §1.2 Exponential Functions	Friday, August 29th §1.3 Combining Functions
Monday, September 1st **Labor Day – No Class**	Tuesday, September 2nd §1.4 Logarithmic Functions	Wednesday, September 3rd §1.5 Trig Functions	Friday, September 5th §1.6 Polynomials
Monday, September 8th §1.6 Rational Functions	Tuesday, September 9th § 1.7 Continuity	Wednesday, September 10th §2.1 Speed?	Friday, September 12th §2.2 Limits
Monday, September 15th §2.3 Derivatives at a Point	Tuesday, September 16th §2.4 Derivative Functions	Wednesday, September 17th §2.4 Derivative Functions	Friday, September 19th §2.5 Interpretations of Der.
Monday, September 22nd §2.6 Second Derivatives	Tuesday, September 23rd §2.7 Continuity & Diff.	Wednesday, September 24th Review	Friday, September 26th **Exam 1**
Monday, September 29th §3.1 Powers & Poly.	Tuesday, September 30th §3.2 Exponential Functions	Wednesday, October 1st §3.3 Product Rule	Friday, October 3rd §3.4 Quotient Rule
Monday, October 6th §3.5 Trig Derivatives	Tuesday, October 7th §3.6 Chain Rule	Wednesday, October 8th §3.7 Implicit Functions	Friday, October 10th §3.8 Parametric Equations
Monday, October 13th **Fall Break – No Class**	Tuesday, October 14th **Fall Break – No Class**	Wednesday, October 15th §3.9 Linear Approximation	Friday, October 17th §3.10 Local Linearity
Monday, October 20th §4.1 Using Derivatives	Tuesday, October 21st §4.2 Families of Curves	Wednesday, October 22nd §4.2 Families of Curves	Friday, October 24th §4.3 Optimization
Monday, October 27th §4.4 Marginality	Tuesday, October 28th §4.5 Opt. & Modeling	Wednesday, October 29th §4.5 Opt. & Modeling	Friday, October 31st §4.6 Hyperbolic Functions
Monday, November 3rd §4.7 Dif. Theorems	Tuesday, November 4th §4.7 Dif. Theorems	Wednesday, November 5th Review	Friday, November 7th **Exam 2**
Monday, November 10th §5.1 Totals?	Tuesday, November 11th §5.2 Definite Integrals	Wednesday, November 12th **Registration – No Class**	Friday, November 14th §5.2 Definite Integrals
Monday, November 17th §5.3 Interp. Def. Int.	Tuesday, November 18th §5.4 Int. Theorems	Wednesday, November 19th §5.4 Int. Theorems	Friday, November 21st §6.1 Antiderivatives
Monday, November 24th §6.2 More Antiderivatives	Tuesday, November 25th §6.3 Differential Equations	Wednesday, November 26th **Thanksgiving – No Class**	Friday, November 28th **Thanksgiving – No Class**
Monday, December 1st §6.4 Fun. Theorem of Calc.	Tuesday, December 2nd §6.5 Equations of Motion	Wednesday, December 3rd Review	Friday, December 5th **Exam 3**
Monday, December 8th §7.1 Integration by Sub.	Tuesday, December 9th §7.1 Integration by Sub.	Wednesday, December 10th Review	

The Final Exam will be held at 11am on Friday, December 12th.

Any students with disabilities which might affect their performance in this class should contact me as soon as possible to arrange accommodations.

The faculty has adopted a policy on academic integrity. It is your responsibility to understand and follow it.