

Math 126 Calculus I Block 3 2009-10

Instructor: Fred Tinsley

Office: Tutt Science 206G Ext. 6562

Office Hours: M-F 8:30-8:50 AM; T and R 1:30-3:00 PM; F 1:30-2:30 PM; or by appointment.

Para-professional: Andrew Bean; Tutt Science 210; x6727

Class Web Page: <http://faculty1.coloradocollege.edu/~ftinsley/MA126/> or use the link from the Math Department web site.

Text: Calculus (Early Transcendentals) by Jon Rogawski

Class Meetings: Daily 9:00 AM - 11:59 AM in Tutt Science 229 (quizzes at the beginning of class).

Problem Sessions: M and W (time TBA) in Tutt Science 229 (Andrew Bean)

Tutoring Sessions: TBA in the Math Department Lounge

Grades (approximate only): Daily Work(30%); Quizzes(25%); Exams(40%); Other(5%)

Syllabus:

<u>Date</u>	<u>Sections</u>	<u>Topic</u>	<u>Events</u>
M	1.1, 1.2, 2.1	Review of Functions; Slopes of Curves	1:30 – 2:45 PM class
T	1.3-1.5, 3.1	Trig, inverse, and poly functions; derivative	
W	1.6, 1.7, 2.2, 2.3; 3.2	Exponentials and logs; $f'(x)$	Quiz 1
R	2.4-2.6; 3.2	Limits and continuity; more derivatives	PM Computing Lab
F	3.3-3.5	Product, Quotient Rules; Higher Derivatives	Quiz 2
M	3.6-3.8	Trig Fns; Chain rule; Implicit Derivatives	
T	3.9-3.11	Inv Fns; Log & Exp Fn; Related Rates	Quiz 3
W	3.11, 4.1	Related Rates; Linear Approx	PM Computing Lab
R	4.2-4.4	Local extrema; Shapes of Curves; Graphing	Quiz 4
F	No new	Review	
M	Midterm exam		
T	4.3-4.6; 4.9	Anti-derivatives; Max-min Theory; Differentials	
W	4.6	Max-min Problems; More graphing	
R	4.7-4.9	L'Hôpital; Newton's method; Anti-derivatives	PM Computing Lab
F	5.1-5.2; 5.5	Areas; Definite integral; More Anti-derivatives	Quiz 5
M	2.7; 5.3, 5.4	Inter. Value Thm; Fund Thm of Calc; U-subst	
T	5.8	Exponential Growth (Decay); Review	Quiz 6; PM review
W	Exam II		