



calculus ii

math 173
5 credits
bu 102
mtwhf - 10:00am
mtwhf - 12:00noon

text:

(2006). thomas, et.al. calculus, early transcendentals, 12th ed. new york: pearson- addison wesley.

description:

the ideas behind the calculus are among some of the great thoughts ever created in the history of humankind--everyone with a college degree should have a semester or two. i say this not simply because i am a mathematician; everyone should have a semester or two of shakespeare, as well :)

there are two basic geometric questions behind it all: how does one find the slope of a tangent line to a given curve at a given point, and how does one find the area of a region that is bounded on one side by a curve? sounds simple, doesn't it? the answers to these questions are surprisingly related. the consequences that follow from the answers to these questions are breathtakingly useful. but some of us prefer to simply stand in awe of the beauty ...

there are some links in the left sidebar of this page. take the time to explore what some people in other universities are interested in. there are other possibly useful links back at my [home page](#).

this quarter we will cover most of the following in our text:

- o ch. 5: integration
- o ch. 6: applications of definite integrals
- o ch. 7: integrals and transcendental functions
- o ch. 8: techniques of integration
- o ch. 9 more applications (as far as we can get)

check out the [spring 2010 class calendar](#).

evaluation:

your grade will be determined by two midterms (30% ea.) and a final examination (40%). the first midterm will take place (and be graded) before the deadline for dropping the class. grades will be assigned on a 90%-80%-70%-60% scale. i do give A-'s, B-'s, and C-'s. occasionally, the lines between A-/B+, etc. are lowered, but **never** raised. in other words, if your average is 90% then you will receive some sort of an 'A.'

i collect selected homework assignments and we will have several unannounced, but straight-forward, quizzes to help you see where you stand regarding the content of the course.

if you have any questions or comments, feel free to come by my office or e-mail me at the address below.

student learner outcomes

the most important things you learn in school are not going to be measurable, sorry. in fact, the absolute best service a list of 'student learner outcomes' could possibly provide is as a random sample of behavioral objectives. that said, at the end of this course, you will have a reasonable facility (as measured by the evaluation procedures described above) in computing antiderivatives, applying antiderivatives to real life situations, and manipulating transcendental functions in the context of the definite and indefinite integral. By the way, the phrase *elementary functions* refers to polynomial, exponential, logarithmic, and trigonometric functions. the word 'elementary' should not be confused with the word 'simple.'

note

students with disabilities who wish to set up academic adjustments in this class should give me a copy of their *confirmation of eligibility for academic adjustments* from the disability support services office so that we can meet in order to discuss how the approved adjustments will be implemented in this class. students with disabilities without this form should contact the disability support services office, bouillon 205 or dssrecept@cwu.edu or 963-2171 as soon as possible.

no, no, no!

scott m. lewis
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hours:
11:00am mwf
else, by appointment,
gleefully accepted

links:

- [wikipedia entry](#) - all the news that's fit to print about sir isaac.
- [history of mathematics web resources](#)
- [where is your birthday in pi?](#)
- [yoga and meditation techniques](#) - you may need it by the time we're done.
- [short course in trigonometry](#) - you may think this one before it's all over, too.
- [UniVirtual Slide Rule Emulator](#) - fruit from the tree of worthless information.

no, no, no!

no late assignments, no early tests, no late tests, no make-up tests
(including finals ... be there).



| post no bills |

spring 2010.

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there's no place like home.