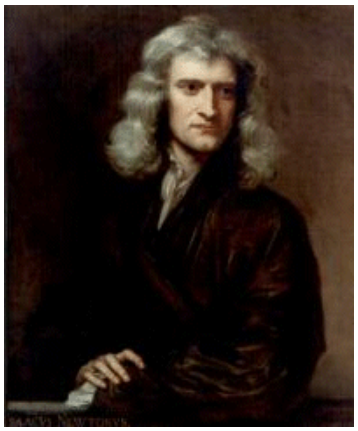

scott m. lewis
sam 218b
fax: 963-3226
hours:
12:00noon mwth
else, by appointment,
gleefully accepted

**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 this this one before it's all over, too.
- UniVirtual Slide Rule Emulator - fruit from the tree of worthless information.

# calculus ii

math 173
5 credits

sam 116
mtwhf - 9:00am

sam 115
mtwhf - 11:00am

**text:**
**Calculus, 3ed.**
Jon Rogawski, Colin Adams
W.H.Freeman & Company, New York, N.Y.

**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 suprisingly 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:

- ch. 5: the definite integral
- ch. 6: constructing anti-derivatives
- ch. 7: integration
- ch. 8: using the definite integral

**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 recieve 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.

**fun with H1N1 ... well, this year's version of the same**
if you have a severe respiratory or influenza-like illness (ILI) (high fever, aches, chills, cough) **you should not come to class until you are without fever for 24 hours without the aid of fever-reducing medication**. if your absences are related to a severe respiratory or flu-like illness, you will be given the opportunity to make up your assignments and class content without penalty. it is your responsibility to notify your instructor *in advance* when absent due to H1N1. faculty is under no obligation to excuse class absences related to sickness. If you are pregnant, work with your instructor to prevent exposure to H1N1. you should utilize the following precautions to prevent H1N1 exposure:

**1) frequent hand washing and carry a bottle of alcohol-based hand sanitizer with you at all times.**

**2) cough etiquette (grab your shoulder and cough into your elbow).**

**3) place used tissues immediately in the trash, followed by washing your hands.**

**4) use CDC-approved disinfectants on shared surfaces such as doorknobs, desks, etc.**

**5) Stay home if you have a severe respiratory or flu-like illness.**

If you are concerned you may have H1N1, notify student health. plan for potential absences and assure you have access to the internet and blackboard for assignments. regardless of your H1N1 flu status, you must complete the requirements of the course to receive a passing grade.

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


| post no bills |

Spring 2019.
*scott m. lewis, slewis@fulbrightmail.org*
*there's no place like home*.