

**SYLLABUS — UTK – Math 142 – Calculus II (Sections 22-25)**  
**Spring 2014, Jochen Denzler**

**Textbook:** Rogawski: Calculus – Early Transcendentals, 2nd edition; W.H. Freeman Publ. Co.

**Textbook Website:**

<http://www.whfreeman.com/Catalog/product/calculusearlytranscendentals-secondedition-rogawski>

**Course contents:** Basically, Ch. 4.9, 5-8, 10, 11.4 of the book.

**Calculator:** A graphing calculator is desirable for this course. The Math Dept recommends and provides support for the TI 83+ and TI 84+ models. However, you will *not* be allowed to use any electronic tools in the exams. I cannot police use of electronic tools in homework. If you choose to use electronic tools for more than simply checking your work in homework assignments, you are sabotaging your own learning and can expect that the negative impact of such practice on your exam performance (in 142 as well as subsequently in 231) to outweigh the gain in the homework.

**Grade:** Your grade will be determined by the 4 in-class exams (15% each), homework (15%) and the comprehensive final exam (25%).

Ideally, the curve will be as follows: 90% will suffice for an A, 80% for a B, 70% for a C, and 60% for a D (with cutoff percentages for intermediate grades in between). As exams may vary a bit in difficulty, the actual curve may be slightly more lenient than this.

**Note:** While there will be a bit of a review before exams, be advised that if you are relying mainly on the review for exam prep, you are on the wrong strategy. It is crucial that you learn the material continuously and address difficulties right away, using office hours, discussion in the recitation sections, tutorial center or peer-to-peer communication.

**Attendance:** You are responsible for the material taught in class, and the best way to take this responsibility is regular class attendance. The textbook is an additional tool, but it cannot substitute for class attendance. As attendance is your responsibility, not mine, I do not monitor or enforce it. If you miss a *class* due to sickness or other compelling reasons, you do not need to bring me an excuse form. However if you miss an *exam* due to sickness, I may require a doctor's note to make accommodations. You should contact me (eg., by e-mail) to get help if sickness causes extensive absence.

**Homework:** Most homework will be done by means of the Web-Assign system, so you should get access to Web-Assign. (The first 2 weeks of Web-Assign are free, then you need paid access). There will be a portion of additional homework that will be graded in the usual manner. While the web-assign homework will be automatically graded based on the answer only, the traditional homework will require you to show your work, and a clean exposition is expected for full scores. The traditional homework may be more complex, and you have my permission to discuss this homework with peers; however the write-up needs to be yours: you must have understood what you are writing for submission, even if you have received help in the process of finding the solution.

**Exams:** Analogously to the homework, exams will have a significant component of questions (multiple choice or other) that are graded on the correctness of the result, but some problems will require to show work and a clean exposition.

**'Clean Expositions?':** This means in particular that you should explain the logical steps in sequential order. If your work looks like graffiti with various pieces scattered over the page as if randomly, a grader cannot follow your thoughts; the most common cause for this issue is that you have not organized your ideas in logical sequence in the first place, and this will hurt your understanding in the long run. So yes, clean exposition does matter, to us *and* to you. In most cases, some plain English text is part of a clean exposition. There is NO SUCH COMMANDMENT as 'Thou shalt not use anything but formulas in math homework, as plain language is an abomination to the Lord of mathematics'; if you have come to believe there was such an unspoken law, you have been deceived, and the opposite is true. Open a random Math book on a random page and check how many % are plain text and how many % are formulas, if you don't want to take my word for it.

**Disability Services and other accommodations:** If you need course adaptations or accommodations because of a documented disability or if you have emergency information to share, please contact the Office of Disability Services at 2227 Dunford Hall at 974-6087. — I do not mind if you record the lecture or take pictures of board (as long as doing so is not disruptive), regardless whether you do it based on ODS accommodations or not. — One purpose of having the Office of Disability Services as an intermediary is the privacy of medical information: you are not required to reveal any medical information to faculty, and ODS will not share such information. On the other hand in some cases it may help me accommodate you better if you volunteer some information to me. This is your choice and decision.

**Course website:** I am using Blackboard mainly for administrative purposes. There is a public course website <http://www.math.utk.edu/~denzler/M142-Sp2014/>, linked from my website.

**Instructor coordinates:**

My office is Ayres 317 (past the Arts&Sciences Advising Center).

My office phone is 974-5325.

My website is <http://www.math.utk.edu/~denzler/>.

My e-mail is [denzler@math.utk.edu](mailto:denzler@math.utk.edu). I have a vintage cell phone ('non-smart') and it will *not* give me a new-e-mail-arrived ring. That's a feature, not a bug. Expect me to read e-mail only twice a day and possibly once on a weekend day.

Office hours are posted on my website (not the course website, since they apply to several courses). Right now, they are MWF 2:30-3:30 and TR 2-3pm, beginning Jan 13. This may change during the semester in response to needs, and updates will be posted on the website and announced by e-mail. Drop-in and special appointments are available (and they are the only options in the first half-week of classes). If you need office hour help, but have scheduling trouble, please refer to the link 'remote office hours by skype' on my website.

**Deadlines:**

Add/drop without W: Jan 17 — Drop with W: April 01 (mind the max 4 W policy)

Comprehensive Final: Apr 30, 12:30-2:30 (scheduled by university policy)

In-class exams will be scheduled at about a week's notice. They will come to cover:

(1) Up to Chapter 5 — (2) Ch. 6 and part of 7 — (3) Rest of Ch. 7 and Ch. 8 — (4) Ch. 10

**Classroom Etiquette:** Please be considerate of the instructor and those around you. Arrive on time and stay to the end, except for compelling necessities. Turn your cell phone off or silent. Multitasking with texting, facebooking etc during class is usually inappropriate, except if you are significantly underchallenged and easily ace the exams regardless (in which case you should see me for advice about taking more honors level courses).