MATH 410, Spring 2018: *Advanced Calculus I*

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Course web page www.math.umd.edu/~tvp/410 contains additional information about the course, e.g., course notes and news about homeworks and exams. Please check this web page regularly.

Textbook (required) "Advanced Calculus" (2nd edition) by P. M. Fitzpatrick

Syllabus Corresponding sections in the textbook are given in parentheses. I will often proceed in a different way than the textbook. There will be additional notes on the course web page.

- Real numbers (A, 1, 2, 9.1)

- Functions and regularity (3, 4, 8.1-8.3)

- Riemann integrals and integrability (6, 7.1-7.3)

- Sequences and series of functions (9)

Homeworks There will be about 10 homeworks. You should first try to do each problem by yourself as far as possible. You can then discuss the issues with other students. But you have to write the answer independently by yourself, without copying from other students. You can **hand in assignments** either **in class**, or you can slip them **under the door of my office** (MTH 4409) **until 9pm**. You **must** write the **current time and date** on your assignment when you slip it under the door, otherwise it will count as handed in on the next day.

2 Exams There will be 50 minute exams on **Feb. 28** and, **April 18 (changed)**. Calculators are **not** allowed.

Final Exam The final exam will be on **Friday, May 18, 8:00–10:00am** in the usual room (CHM 0128).

Grading policy The percentages will be combined to the **total percentage** as follows:
Homeworks (**30%**),   Exams (**40%**),   Final Exam (**30%**)
With a total percentage ≥90%, 80%, 70%, 60% you are guaranteed an A, B, C, D, respectively. I may lower the cutoffs slightly.

Absences Unexcused absences for exams or final exam will count as zero. If you have a valid excuse for missing an exam (see the University Attendance Policy ugst.umd.edu/courserelatedpolicies.html) contact me as soon as possible by e-mail.
If you miss a class it is your responsibility to learn the material you missed (ask other students, come to my office hours). Note that I will often present material and examples which are not in the textbook.