

MTH 162 – Calculus II

COURSE SECTION: MTH 162 G7 (S7)
INSTRUCTOR: Bruno Benedetti
OFFICE: Ungar 533
OFFICE HOURS: W 3:30 PM – 5:30 PM
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TEXT: *Essential Calculus* by Stewart (2nd Edition), Chapters 5 to 9.

Course Description: Logarithm and exponential (Chapter 5); L'Hôpital's Rule for limits (Ch. 5); integration (Ch. 6) and applications (Ch. 7); a taste of differential equations (Ch. 7); infinite series and Taylor-MacLaurin approximation (Ch. 8). Time permitting: polar coordinates (Ch. 9).

Prerequisites: Passing grade in MTH141 or MTH151 or MTH161

GRADING POLICY: Final grades for this course will be based on the following:

1. **TESTS (45%):** There will be three equally weighted exams during the semester. Dates for the exams will be announced in class at least one week before.
2. **FINAL (40%):** The final exam for the course will be comprehensive.
3. **QUIZZES (10%):** Will be given periodically in class, usually on Tuesdays, and announced at least one week before.
4. **HOMEWORK (5%):** Homework, participation and attention play a key role for the grade in borderline cases. Homework is assigned weekly. I strongly recommend doing homework timely: they're the studyguide for tests. The class key for WebAssign is [miami 2155 7085](#).

HONOR CODE: The usual Honor Code of UM applies. If you do homework with another student, I accept that but you must indicate it clearly on the homework (e.g. "Solved exercise 2 with Beyoncé").

CALCULATOR: Students may use a basic scientific calculator for exams. No need to buy fancy ones, the TI 30XA costs \$10 and does the trick. Graphing calculators may easily induce mistakes, as I will explain in class, so for this course they are not allowed. Smartphones, computers, tablets, are **not** allowed during class and must be turned off, because I am a pathological attention seeker.

HELP: The **Math Lab** is located in **the Math Library** and will open January 25 (or soon afterwards). Tutoring is available to all students enrolled in this course. Tutors are available at the Math Lab on a walk-in basis. Please consult the webpage <http://www.math.miami.edu/resources/math-laboratory/> for the hours of operation of the Math Lab.

MAKEUP POLICY: Any student who cannot take an exam on the specified date for a documented reason must make arrangements with their instructor to take the exam **prior to that date**. If an emergency occurs on the day of the exam, contact your instructor immediately. Please refer to page 15 of the Undergraduate Bulletin for the University policy on observance of religious holidays. <http://bulletin.miami.edu/pdf/2016-2017.pdf>

With this, I wish you a fantastic spring semester at the U!



Bruno Benedetti
Assistant Professor