

# Calculus II - Math 1920-002

## Syllabus

**Class:** Smith Hall, Room 414 on MW 10:20am-12:25pm with a mid-break.

**Instructor:** Fernanda Botelho, email:mbotelho@memphis.edu; Office 363 in Dunn Hall; ph: (901)-678-3131.

**Office hours:** M 2:15pm -4:15pm; or by appointment.

**Textbook and Course Materials:** Calculus: Early Transcendentals (8<sup>th</sup> edition) by J. Stewart, with WebAssign student access code, and a 3-ring binder for labs and notes. A graphing calculator TI-84 or comparable is allowed.

**WebAssign Key:** memphis 8707 6933

**Catalog Description** Integration and applications of the definite integral; techniques of integration and improper integrals; curves defined by parametric equations; arc length and surface area; polar coordinates; infinite series, Taylor and McLaurin series. NOTE: students may not receive credit for both MATH 1920 and MATH 2421. PREREQUISITE: MATH 1910 or both MATH 1830 and 1900.

### Course Outline (Tentative):

**Week 1-2:** 5.3-5.5; **Week 3-4:** 6.1-6.5; **Week 5-6:** 7.1-7.7; **Week 7-8:** 7.8-8.2 and applications; **Week 9-10:** 10.1-10.4 and 11.3-11.5; **Week 11-12:** 11.6-11.8; **Week 13-14:** 11.9-11.11.

**Homework:** You have weekly homework assignments for practice and reading assignments for each class meeting.

**Classwork:** You have daily class work assignments.

**Tests:** October 11, November 15 and December 6.

**Final Exam:** Monday, December 11 (8:00am-10:00am).

No Make-up for missed assignments or tests. (Your final exam may replace a missed test or a lower test grade)

No Make-up for the Final Exam. You must be present to take the exam during the time assigned by the university. (If you do not come to the final exam your grade on Test 3 will be your final exam grade)

### Test Rules:

- 1) Arrive on time for each test. Any tardiness will cost you working time on the test. Bring a pencil or pen with you. Scratch paper for each test shall be available. Place all belongings on an open chair next to you.
- 2) You may bring a calculator comparable to TI 84.
- 3) Absolutely no cell phones allowed during testing or any kind of mobile device. Cell phones must be set on silence.

**Evaluation:** Your course grade point is a weighted average of all your graded assignments: class assignments contribute with a maximum of 100 points, three in-class tests contribute with a maximum of 200 points each, and a final exam contributes with a maximum of 200 points. **The last test and the final exam are both comprehensive.** The maximum number earned points is 900. Let  $g$  be the number of points you have earned throughout the semester divided by 9, your **final grade** in the course follows the scale.  
A+ if  $95 < g \leq 100$ ; A if  $88 < g \leq 95$ ; A- if  $85 < g \leq 88$ ; B+ if  $80 < g \leq 85$ ; B if  $75 < g \leq 80$ ; B- if  $70 < g \leq 75$ ; C+ if  $65 < g \leq 70$ ; C if  $55 < g \leq 65$ ; C- if  $50 < g \leq 55$ ; D if  $40 < g \leq 50$ ; F if  $g$  is below 40

**Extra Help Available:** The Educational Support Program (ESP) provides extended hours of free tutoring to all students; for additional information call #678-2704.

**First class:** August 28; **Last class:** December 6; **Labor Day** (no classes) September 4; **Fall Break** (no classes): October 14-17; **Thanksgiving Holidays** (no classes): November 22-26; **Study Day:** December 7.

**Have a great semester**