# MATH 2924: Differential and Integral Calculus II
## Course Syllabus
## Summer I 2015

### Section 170
### MTWRF: 1:00 - 2:35 pm
### PHSC 100

**Instructor:** Dr. Matt McBride
**Office:** PHSC 810
**Office Phone:** 325-5074
**Offic Hours:** TRF: $12:00 - 1:00$ pm or by appointment
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**Textbook:** James Stewart, *Calculus*, 7th Edition

**Prerequisites:** MATH 1914

**Objective:** Students will build on their understanding of the concepts of calculus of one variable covered in MATH 1914. The use of the basic concepts will be broadened to include the use of exponential, logarithmic, and inverse trigonometric functions. The ideas of parametric equations and polar coordinates will be introduced as well. Techniques and applications of integrations will be developed more fully. Finally a deeper understanding of limit concepts will be developed to be used on items such as improper integrals, sequences and series.

**Withdrawl Date:** Through June 5th, you may drop the course and receive a W grade. Dropping the course after June 5th requires a petition to the Dean, and will result in a grade of either W or F.

**Academic Honesty:** The University of Oklahoma takes great pride in academic honesty, thus cheating of any kind will not be tolerated. If cheating is suspected, there will be consequences.

**Students with disabilities:** The University of Oklahoma is committed to providing reasonable accomodation for all students with disabilities. If you require special accomodation in this course you are requested to speak with the instructor as early in the

semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accomodations in this course. For further information please see `http://drc.ou.edu`.

**Homework:** As with any math course, homework is a vital component. One must practice newly learned facts, theorems, etc. through the assigned homework. Homework will be assigned daily, however it will not be collected. See the quizzes section below for more details on this. Even though the homework will not be collected it is expected to be completed, as this is necessary to excel in this course.

**Quizzes:** There will be weekly in-class quizzes with the exception during the weeks the exams will be administered. As mentioned above, homework will be assigned daily, but not collected. Instead the quizzes will come directly from the previous week's homework. Students who have completed the homework will be able to use it on the quiz, however no in-class notes or books will be allowed. This is an incentive to do the assigned homework, plus in order to master mathematics one needs to practice it, hence homework. This can never be stressed enough.

**Exams:** There will be three closed book, closed notes, and closed homework in-class exams. Students will have the whole class period to take the exams. All three exams will cover roughly eight lessons, though this may be modified due to time and is left up to the discretion of the instructor.

**Make-up Policy:** Make-up exams and quizzes will be given **only** for reasons deemed acceptable by the instructor, and **only** with written documentation. Make-up exams and quizzes must be taken within one week of the original date, and no make-ups may be taken after the third exam. Make-up exams and quizzes are never easier than the original.

**Calculator Policy:** You may use a calculator when working on the homework assignments. In class and when taking exams, a calculator is not really needed, but you may, if you wish, use a simple calculator that does not have graphics capability while taking exams, just to check your arithmetic. The reason for the exclusion of graphics capability to make sure that you have the graphs of the fundamental functions like such as trigonometric, lograrithm, and exponential in your head.

**Grading Distribution:**

        Quizzes....................40%
        Exams......................60%
        Total......................100%

**Grading Scale:**

        **A:**....100% - 90%
        **B:**......89% - 80%
        **C:**......79% - 70%
        **D:**......69% - 60%
        **F:**......59% and below

# Summer I 2015 Tentative Schedule

Note: this may be modified and is left to the discretion of the instructor.

| Date | Sections Covered | Homework |
|---|---|---|
| Mon, May 11 | 6.1,6.2 | **6.1:** 23,25,27,33,35-41 odd, 45 |
| Tue, May 12 | 6.2,6.3 | **6.2:** 15,16,23-49 odd, 79-89 odd |
| Wed, May 13 | 6.3,6.4 | **6.3:** 3-17 odd, 27-35 odd, 47-57 odd |
| Thu, May 14 | 6.4,6.6 | **6.4:** 3-35 odd, 43-53 odd, 56,71-81 odd |
| Fri, May 15 | 6.6,6.7 | **6.6:** 1-13 odd, 23-35 odd, 59-69 odd |
| Mon, May 18 | 6.7,6.8 | **6.7:** 1-5 odd, 31-45 odd, 59-67 odd |
|  | **Quiz 1** | **6.8:** 7-65 odd |
| Tue, May 19 | 7.1,7.2 | **7.1:** 3-41 odd |
| Wed, May 20 | 7.2,7.3 | **7.2:** 1-49 odd |
|  |  | **7.3:** 5-29 odd |
| Thu, May 21 | 7.4 | **7.4:** 7-37 odd, 39-51 odd |
| Fri, May 22 | Review for Exam 1 | none |
| Mon, May 25 | no class | none |
| Tue, May 26 | **Exam 1** | **Covering: 6.1-6.8,7.1-7.4** |
| Wed, May 27 | 7.5,7.8 | **7.5:** 1-81 odd |
| Thu, May 28 | 7.8,8.1 | **7.8:** 5-39 odd |
|  |  | **8.1:** 7-17 odd |
| Fri, May 29 | 8.2,11.1 | **8.2:** 5-15 odd |
| Mon, June 1 | 11.1,11.2 **Quiz 2** | **11.1:** 3-55 odd, 73,80,81 |
| Tue, June 2 | 11.2,11.3 | **11.2:** 17-47 odd, 51-63 odd |
| Wed, June 3 | 11.3,11.4 | **11.3:** 3-31 odd, 33-35 |
| Thu, June 4 | 11.4,11.5 | **11.4** 3-31 odd |
|  |  | **11.5:** 3-19 odd, 32-34 |
| Fri, June 5 | Review for Exam 2 | none |

| Date | Sections Covered | Homework |
|------|------------------|----------|
| Mon, June 8 | **Exam 2** | **Covering: 7.5,7.8,8.1,8.2,11.1-11.5** |
| Tue, June 9 | 11.6 | **11.6:** 3-29 odd, 33,34 |
| Wed, June 10 | 11.7 | **11.7:** 1-37 odd |
| Thu, June 11 | 11.8 | **11.8:** 3-27 odd, 29,30 |
| Fri, June 12 | 11.9 | **11.9:** 3-9 odd, 15,17,19,25-28 |
| Mon, June 15 | 11.10 **Quiz 3** | **11.10:** 5-19 odd,29-37 odd,47,49,63,65 |
| Tue, June 16 | 10.1,10.2 | **10.1:** 5-21 odd,24,28 |
| Wed, June 17 | 10.2,10.3 | **10.2:** 1-19 odd |
| Thu, June 18 | 10.3,10.4 | **10.3:** 7-25 odd, 29-45 odd, 55-63 odd |
| | | **10.4:** 1-33 odd, 45,47 |
| Fri, June 19 | 12.1,12.2 | **12.1:** 15,17,23-37 odd |
| Mon, June 22 | 12.2,12.3 | **12.2:** 5,6,8,19-25 odd, 27,28 |
| Tue, June 23 | 12.3,12.4 | **12.3:** 3-9 odd, 15-19 odd, 23,39-45 odd |
| Wed, June 24 | 12.4,12.5 | **12.4:** 1-7 odd, 13,29-35 odd |
| | | **12.5:** 7-17 odd, 23-39 odd |
| Thu, June 25 | Review for Exam 3 | none |
| Fri, June 26 | **Exam 3** | **Covering: 11.6-11.10,10.1-10.4,12.1-12.5** |