Mathematics 1720 Syllabus - Spring 2011

Prerequisite: Math 1710 or equivalent


Professor: Neal Brand

Office: GAB 417B  M 2:30-3:30,  T 1:30-2:30,  W 3-4:30,  Th 2:00-3:30 and by appointment.
Please use these hours to ask questions of your instructor. Do not just drop in at other times since your instructor will most likely be busy with other responsibilities. If you need to see your instructor at another time, make an appointment in advance.

Grading: Grades are based on three regular exams, homework, one project, and a final. The homework is worth a total of 100 points. You will probably receive over 20 homework assignments, each worth 5 points, but only the best 20 assignments count. If there are fewer than 20 assignments, then points will be added to make the total possible 100. Projects are extended homework assignments that require much more effort and time than regular homework assignments. The project is worth 100 points. Each regular exam is worth 100 points and the final exam is worth 200 points. This gives you a total of 700 possible points. To earn an A it is sufficient to make a total of 630 points, 560 for a B, 490 for a C, and 420 for a D. You must also complete the online course evaluation as described below.

Course Evaluation: The SETE website will be open later in the semester for you to evaluate the course (dates to be announced later). You are required to go to the website and complete an evaluation of the course sometime during the open period. Although your instructor will receive a list of who completed the evaluation forms before grades are turned in, he will not receive any other information about the evaluations until after the grades are turned in. Your instructor will receive no information that would link you to your specific answers or comments. The university, the mathematics department, and your instructor take your course evaluation input very seriously.

Regular Exams: The regular exams will be given in class, most likely on February 14, April 1 and April 27. The final exam is scheduled for May 13 (Friday) at 8:00 in the classroom.

Homework: Homework will be assigned from the book and possibly from handouts. The assignments will be posted on the web. You are expected to turn in neatly written
homework that shows all essential work. If the grader has trouble reading the homework, then the homework will be returned with a zero.

**Web Page:** From the UNT home page follow through the links through the College of Arts and Sciences, the Mathematics Department and Neal Brand's home page to find the Math 1720 home page. You will find homework assignments, and other information concerning this class at that site. The URL is [http://www.math.unt.edu/~brand/class/1720/2011Spring/1720.htm](http://www.math.unt.edu/~brand/class/1720/2011Spring/1720.htm).

**Attendance:** It is important that you come to class in order to master the material. As long as you have fewer than three unexcused absences, there will be no penalty for a missed class.

**Extra Credit:** Do not expect to be able to do extra credit work to help your grade either before or after the final exam. There will be no extra credit for this course other than perhaps an extra problem on an exam. Please do not ask for extra credit work to help your grade. Your best bet to help your grade is to do the required work at the time it is assigned.

**Disabilities:** It is the responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office.

**Cheating:** No cheating will be tolerated. Cheating includes receiving help from anyone or anything that is not specifically allowed on an exam, project or final exam. For example, calculators are not allowed on exams and using one would constitute cheating. On the other hand, you are encouraged to work together on the regular homework assignments as long as everyone participates and no one just copies the answers. On the projects, you are not to get help from any outside source except the instructor. You will find more details regarding what is allowed on the project when it is assigned. Anyone caught cheating will receive an F for the course. Furthermore, a letter will be sent to the appropriate dean. I expect no cheating in this class.

**Last Comment:** Anything on this syllabus is subject to change at the discretion of the instructor.

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Homework and Reading Assignments: Homework is to be turned at the beginning of class on the days indicted below. Follow the guidelines at http://www.math.unt.edu/~brand/class/1720/2007Spring/homeworkexp.html when preparing your homework to be graded. Soon after class each day the homework assignments will be posted here. You should do all the homework listed, but turn in only the problems listed in bold face type. The reading assignments are to be completed on the days indicated below.

- **January 19**
  - First day of class - introduction.

- **January 21**
  - Read Section 7.2
  - Page 484 1, 3, 5, 9, 15, **20, 24, 27, 31, 34, 40**, 43, 47, 51, 53, **54, 55, 57, 64, 68**

- **January 24**
  - Read Section 7.3

- **January 26**
  - Read Section 7.4
  - Page 493 3, 9, **11, 14, 17, 18, 19, 24, 26, 31, 32**, **34, 37, 43, 47, 51, 52, 68, 72**

- **January 28**
  - Read Section 7.5

- **January 31**
  - Read Section 7.7

- **February 2**
  - Continue discussion of Section 7.7

- **February 4**
  - Read Section 7.8

- **February 7**
  - Continue discussion of Section 7.8

- **February 9**
  - Review for Exam 1
- February 14
  Exam 1
- February 16
  Read Section 11.1
- February 18
  Continue discussion of Section 11.1
- February 21
  Read Section 11.2
- February 23
  Continue discussion of Section 11.2
- February 25
  Read Section 11.3
- February 28
  Read Section 11.4
- March 2
  Read Section 11.5
- March 7
  Continue discussion of Sections 11.2-11.5
- March 9
  Read Section 11.6
- March 11
  Read Section 11.7
- March 21
  Read Section 11.8
- March 23
  Read Section 11.9
- March 25
  Continue discussion of Section 11.9
- March 28
  Read Section 11.10
- March 23
  Review for Exam 2
- March 30
  Review for Exam 2
- April 1
  Exam 2
- April 4
  Read Section 8.1
- April 6
  Read Section 8.2
- April 8
  Read Section 8.3
- April 11
  Read Section 8.4
- April 13
  Continue discussion of Section 8.4
- April 15
  Read Section 8.5
- April 18
  Read Section 8.6
- April 20
  Discussion of a clever substitution
- April 22
  Review for exam 3
- April 25
  Review for Exam 3
- April 27
  Exam 3
- April 29
  Review for final
- May 2
  Review for final
- May 4
  Review for final
- May 13
  Final Exam (8:00-10:00)


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