Math 1720 Information  
Fall 2013

Syllabus

Homework and Reading Assignments: Homework is to be turned in 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 indicated problems. The reading assignments are to be completed on the days indicated below.

- **August 28**  
  First day of class - introduction.
- **August 30**  
  Read Sections 7.1 and 7.2  
  Start working on problems due on September 4
- **September 4**  
  Page 396 7, 9, 11, 12, 13, 14, 15, 17, 19, 20, 22, 39, 41, 43, 45, 46, 47, 55, 66, 81
- **September 6**  
  Read Section 7.3  
  Page 396 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 37, 38, 56, 59, 60, 82, Turn in the evens
- **September 9**  
  Read Section 7.4  
  Page 406 5, 7, 8, 9, 12, 15, 16, 21, 22, 24, 28, 29, 47, 56 Turn in evens
- **September 11**  
  Read Section 7.5  
  Page 416 11, 12, 13, 14, 17, 18, 22, 23, 28, 30 Turn in the evens  
  Read Section 7.5
- **September 13**  
  Continue Section 7.5 on Inverse Trigonometric Functions  
  Read Section 7.6
- **September 16**  
  Continue Section 7.6
Page 429 11, 13, 15, 17, 18, 19, 21, 22, 25, 29, 30, 33, 35, 36, 39, 40, 41, 43, 44, 45, 46, 47, 49, 51, 53, 54, 55, 56, 64, 65, 67, 68, 69, 71, 73, 76
Turn in the even numbered problems

- September 18
  Read Section 9.1 An overview of Sequences and Series
  Turn in TBD

- September 20
  Read Section 9.2
  Read Section 9.3 Infinite Series
  Page 535 21, 22, 24, 26, 43, 44, 64, 80 Turn in the evens as usual.

- September 23
  Read Section 9.4 The Divergence and Integral Tests
  Page 535 35, 36, 37, 39, 40
  Page 542 7, 8, 11, 12, 14, 15, 16, 19, 20, 23, 25, 26, 28, 30, 35, 36, 38, 41, 44, 49, 50, 58

- September 25
  Review for Exam 1

- September 27
  Exam 1

- September 30
  Read Section 9.5 The Ratio, Root, and Comparison Tests
  Page 556 9, 13, 15, 18, 20, 23, 25, 26, 28, 31, 32, 34, 44, 45, 46, 48, 50, 51 Turn in evens as usual

- October 2
  Continue Section 9.5

- October 4
  Determining Which Convergence/Divergence Test to Use

- October 7
  Read Section 9.6
  Page 565 9, 11, 13, 15, 16, 19, 21, 23, 25, 26, 27, 28, 29, 31, 32, 34, 44, 45, 46, 48, 50, 51 Turn in evens as usual

- October 9
  Read Section 10.1
  Page 574 11, 13, 17, 18, 19, 20, 25, 26, 29, 30, 39, 40, 43, 44

- October 11
  Read Section 10.2

- October 14 Read
  Section 10.3
  Page 598 9, 10, 11, 12, 16, 17, 20, 21, 22, 27, 28, 33, 34, 39, 40

- October 16
  Continue Section 10.3
  Read Section 10.4

- October 18
  Continue Section 10.4
  Page 610 11, 12, 15, 19, 22, 23, 24, 28, 29, 30, 34, 38, 44, 47, 48, 52, 53, 56, 60, 65, 66, 67, 68, 70 (Turn in the evens)
October 21
Page 618 TBD

October 23
Review for Exam 2

October 25
Exam 2

October 28
Review Antidifferentiation Formulas
Read Section 8.1 Integration by Parts

October 30
Continue Integration by Parts
Read Section 8.2 Trigonometric Integrals

November 1
Read Section 8.3 Trigonometric Substitution
Page 447 8, 9, 11, 12, 13, 16, 18, 22, 24, 27, 29, 32, 38, 44, 48, 72

November 4
Continue Trigonometric Substitutions
Page 455 9, 10, 11, 12, 15, 16, 18, 21, 22, 24, 29, 41, 43, 47

November 6
Read Section 8.4 Partial Fractions
Page 462 7, 10, 13, 14, 17, 18, 21, 23, 28, 30, 40, 49, 50, 69

November 8
Read Section 8.5 Other Integration Strategies (or How to Cheat when You Integrate)
Page 472 5, 7, 15, 16, 19, 20, 23, 24, 29, 30, 33, 36, 51, 52, 57

November 11
Read Section 8.6 Numerical Integration
Page 478 TBD

November 13
Read Section 8.7
Page 488 TBD

November 15
Page 499 TBD

Review for exam 3

November 18

Review for exam 3

November 20
Exam 3

November 22
Read Section 11.2 Polar Coordinates

November 25
Continue with polar coordinates
Read Section 11.3 Calculus in Polar Coordinates

November 27
Continue Calculus in Polar Coordinates
Page 642 TBD
• December 2
  Review for final
  Page 651 TBD
• December 4
  Review for final
• December 9
  Final Exam at 10:30

Return to Neal Brand's homepage.
Mathematics 1720 Syllabus - Fall 2013

Prerequisite: Math 1710 or equivalent

Book: Calculus by Briggs and Cochran

Professor: Neal Brand

Office: M 3:30-5:00, T 1:00-3:30, W 12:30-2:00, Th 11:00-12:30, F 12:30-1:30 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, 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. Each regular exam is worth 100 points and the final exam is worth 200 points. This gives you a total of 600 possible points. To earn an A it is sufficient to make a total of 540 points, 480 for a B, 420 for a C, and 360 for a D. You must also complete the on-line 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 web site 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 September 25, October 23 and November 20. The final exam is scheduled for May 10 (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 grade of 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 math.unt.edu/~brand/class/1720/2013Fall/1720.htm.

**Attendance:** It is important that you come to class in order to master the material.

**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:** The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the Office of Disability Accommodation website at http://www.unt.edu/oda. You may also contact them by phone at 940.565.4323.

**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. 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.