

Math 4354 Section 1 Fall 2008

Course: Math 4354 Sec. 1
Room & Time: MWF 9:00-10:00, Room MA 114
Instructor: Dr. David S. Gilliam
Email: david.gilliam@ttu.edu
Office: Math Room 103
Phone: 806-742-2580 ext. 265
Web Page: http://www.math.ttu.edu/~gilliam/ttu/f08/m4354_f08/m4354_f08.html
Office Hours: 10:00-11:00, MWF and by appointment
Text: “Partial Differential Equations for Scientists and Engineers”
Stanley J. Farlow. The Primary Text will consist of instructor notes
handed out in class.

Expected Outcomes Math 4354

The main topics covered in the class are

- Ch. 1.** First Order Linear Equations and the IVP
- Ch. 2.** IVP D’Alembert Solution Wave Equation 1-D
- Ch. 3.** IVP Heat Equation 1-D
- Ch. 4.** BVP Heat 1-D
- Ch. 5.** BVP Wave Equation 1-D
- Ch. 6.** BVP Heat 2-D
- Ch. 7.** BVP Wave Equation 2-D
- Ch. 8.** Nonhomogeneous Heat Equation 1-D
- Ch. 9.** BVP Elliptic 2-D

Assessment of Learner Outcomes (Grading Policy): Assessment of learning outcomes will be based on exams and homework assignments. In more detail:

1. There will be 3 exams given in class. The exam questions will primarily come from the homework assignments. Each exam counts as one score. A missed exam gives a score of 0, i.e., there are no makeup exams. Under extreme (and well documented) circumstances, arrangements might be made to take a test in advance.
2. There will be approximately 10 homework assignments. The homework will count as 1 additional score.
3. The final exam will count for 2 more scores. This final is a comprehensive final.
4. After the final you will have 6 scores. Your final grade for the course will be determined by the average of your best 4 of these 6 scores.

Grading scale:

90-100, A

;

80-89, B

;

70-79, C

;

55-69, D

;

< 55, F

Important Dates:

- (1) August 25, Monday Classes begin.
- (2) August 28, Thursday Last day to add a course.
- (3) September 1, Monday Labor Day. University holiday.
- (4) October 20, Monday 5 p.m., mid-semester grades due via Web for Faculty.
- (5) October 27, Monday Last day to drop a course.
- (6) November 24-25, Monday Tuesday / December 1-3, Monday Wednesday Period of no examinations except for makeup exams or scheduled lab exams.
- (7) November 26-30, Wednesday Sunday Thanksgiving holiday. No meals served in residence halls.
- (8) December 1, Monday Classes resume.
- (9) December 3, Wednesday Last day of classes.
- (10) December 4, Thursday Individual study day.
- (11) 4:30 p.m. - 7:00 p.m., Tuesday, December 9, Final examination. Room to be announced.

Attendance: Attendance will probably be taken on a regular basis to provide evidence of attendance and you are expected to attend every class. In particular students are responsible for any and all information given in class, e.g., test dates, quizzes, assignments, and general course material.

ADA Accommodations: Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact me as soon as possible to make necessary arrangements. The instructor may request verification of need from the Dean of Students Office.

Religious Holy Day: 1. "Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code §11.20. 2. A student who intends to observe a religious holy day should make that intention known to the instructor prior to the absence. 3. Any a student who is to be absent from classes for the observance of a religious holy day should arrange with the instructor to make up the missed work. 4. A student who is excused for religious observance may not be penalized for the absence; however, the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.

Student Honesty and Classroom Policy: Cheating will not be tolerated and may result in severe academic sanctions. Disruptive behavior during class will not be tolerated. All cell phones are to be turned off upon entering the classroom – there are no exceptions.. Disruptive behavior includes talking out of turn, cell phones ringing during class, and repeatedly arriving late or leaving class early. Class starts promptly on the hour. Please try to arrive on time.