

Math 4073 — Numerical Analysis
Fall 2016
Course Information

Instructor: John Albert

Office: PHSC 1004

Phone: 325-3782

Office Hours: Mon. and Wed. 12:30 to 1:30 pm; Thurs. 10:30 to 11:30 am; or by appointment

The class will meet from 2:00 to 4:40 pm in room 3100 on the following Tuesdays: Aug. 23, Sept. 13, Oct. 4, Oct. 25, Nov. 15, and Dec. 6.

The class will meet from 4:30 to 7:10 pm in room 3100 on the remaining Tuesdays: Aug. 30, Sept. 6, Sept. 20, Sept. 27, Oct. 11, Oct. 18, Nov. 1, Nov. 8, Nov. 22, and Nov. 29.

Course Content: We will cover chapters 1 through 5 of the course text, which is *Numerical Analysis (Ninth Edition)* by Richard L. Burden and J. Douglas Faires, Cengage Learning, 2010 (ISBN 978-0-538-733519). The topics covered are: solving equations numerically, interpolation and approximation of functions, numerical integration, and numerical solution of initial-value problems for ordinary differential equations. .

Students will need access to MATLAB for some of the homework assignments.

Information about the course, such as homework assignments and test and quiz dates, will be posted on D2L and on my web site at www.math.ou.edu/~jalbert/courses/4073fa16.html .

Grading: The course grade will be made up of the following components:

- Homework: 30%
- Two mid-term exams: 20% each
- Final exam: 30%

The homework will be due at the start of class on the due date (or, when the due date is a day I am not in Tulsa, should be emailed to me no later than 4:00 p.m. on the due date).

Tentative dates for the midterm exams (75 minutes each) are Sept. 27 and Nov. 8.

Make-ups: Make-up exams will be given to students who can provide a compelling reason for missing an exam that is supported by documentation. In particular, if you know in advance that you will miss an exam, you should notify me before the exam.

Late homework will not be accepted.

Reasonable Accommodation: Here is the University's policy on accommodation of students with disabilities:

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

Academic Integrity: For details on the University's policies concerning academic integrity see the *Student's Guide to Academic Integrity* at the OU Academic Integrity web-site, <http://integrity.ou.edu>. For information on your rights to appeal charges of academic misconduct consult the Academic Misconduct Code at http://integrity.ou.edu/files/Academic_Misconduct_Code.pdf. Students are also bound by the provisions of the OU Student Code; see http://cas.ou.edu/Websites/oucas/Images/pdf/OU_Student_Code.pdf .