

Instructor: William Scott
Office EC 3.306 Tel. (972)883-6034
Office hours: MWF 1:00 - 2:00, TR 4:00 – 5:00 p.m., or by appointment
E-mail: wms016100@utdallas.edu

Textbook: Linear Algebra with Applications, 5th Edition, Gareth Williams.

TA: TBA

Lab: Math Learning Center MC 2.412 (library) Phone: (972)883-6707

Hours: MTWR 10am-8pm, FS 10am-2pm. Individual tutorials are available by appointment.

Course Description: The material covered in the course primarily comes from

Chapter 1, Sections 1.1-1.3
Chapter 2, Sections 2.1 – 2.4
Chapter 3, Sections 3.1 – 3.4
Chapter 4, Sections 4.1 – 4.8
Chapter 5, Sections 5.1 – 5.7
Chapter 8, Section 8.1, 8.2
Chapter 9, Sections 9.1, 9.2

Grading:	Midterm grades	60%
	Homework	10%
	Final Examination:	30%

Examinations: There will be three midterm examinations and a comprehensive final.

First Midterm	Feb. 7
Second Midterm	Mar. 4
Third Midterm	Apr. 15
Final Exam	Apr. 27, 8 am

These dates are subject to change if circumstances should warrant. There are no make-ups except under extraordinary circumstances.

N.B. Graphing calculators, programmable calculators, or calculators with non-numeric displays are **not allowed** on examinations.

In order to succeed in this course, one must work a large number of problems.

Here is a list of selected problems which are solved in the Student Solutions Manual which everyone is expected to do. Some students might find it necessary to have more practice; they should choose similar problems from each section and from review exercises.

Sec. 1.1: # 2, 5a,c, 6d,f,h, 7c,e, 8a,c, 9a,c, 10a,c, 11a,c, 12a.

Sec. 1.2: # 2a,c,g, 3a,c,e, 4a,c, 5c,e, 6a,e, 7a,e, 8a,d, g.

Sec. 1.3: # 1, 4

Sec. 2.1: # 1a,c,e, 2d,f, 3a,e,g, 4a,d,g, 5a,g, 8a,e,g, 9a, b,e, 10a,c, 16

Sec. 2.2 # 1c, 2, 5a, 6a,c, 18a,c, 19a,c, 23,37a, 38a,b

Sec. 2.3: # 1a,d,f, 2a

Sec. 2.4: # 1c, 2a,c, 3a,c,e, 4a,c, 6a, 7a,c, 8a,c,e, 9c,e, 13, 15a,c, 16a,c, 17, 19, 36, 38

Sec. 3.1: # 1a,c, 3a, 4a,c, 5a, 8a, 9a, 10a,c, 11a,c, 12, 14, 16

Sec. 3.2: # 1a,c, 3a,c, 4a, 5, 6a,c, 8a,c,e, 9a,c,e, 10a,c.

Sec. 3.3: # 1a,c, 2a,c, 3a,c, 14.

Sec. 3.4: # 1a,c, 3a,c, 4a, 5a, 6a, 8a,c, 10a, 12a, 13a,c, 14a,c, 15,

Sec. 4.1: # 1, 2, 3a, 5a,d, 6b,d, 9b,d, 10a,c.

Sec. 4.2: # 1a,c, 3a,c,e, 6a,b,e, 7a,c, 8a,e, 10a, 11a, 12c, 13a,c, 14b,d, 15, 16c, 17b,d, 24

Sec. 4.3: #1, 2a

Sec. 4.4: #1a, 2a, 6a,c, 7a 9a, 10c, 12a, 19a,c, 25a

Sec. 4.5:#1a,c, 3a,d, 4b, 5a, 6a 7c, 8ac, 22^a

Sec. 4.6 #1a 2^a,c, 3a, 4a, 5a,c, 6a,d, 7a,c, 10c

Sec. 4.7 #1a, 2a,c, 3a,b, 4a, 5a,c, 6a,b,d, f, 12, 13, 20c

Sec. 4.8: # 1a,c, 2a,e, 3a,c, 5a, 12a

*Sec. 4.9: # 1a,b,d, 2a,b, 3a,c, 29

Sec. 8.1: # 2b, 3a, 5a, 6a

Sec. 8.2: # 1, 4, 9, 11

Sec. 9.1: # 1, 5, 8, 9, 11, 13

Sec. 9.2: # 1, 4, 7, 10, 12

Sec. 5.7: # 1a,b,d, 2a,b, 3a,c, 29

Sec. 8.4: # 1, 6, 9, 15, 28, 30.

Sec. 9.1: # 2b, 3a, 5a, 6a.

Sec. 10.1: # 1, 5, 6, 9, 11, 13.

Sec. 10.2: # 1, 4, 7, 10, 12.

*If time permits