

# Syllabus

Math 2333

Spring 2006

**Instructor:** William Scott

Office: EC 3.306

Tel: (972) 883-6034

Office hours: MW 1-2, TR 4-5 or by appointment

Email: [wms016100@utdallas.edu](mailto:wms016100@utdallas.edu)

**Textbook:** Linear Algebra with Applications, 5<sup>th</sup> Edition, Gareth Williams

**TA:** TBA      Office hours: 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 - 1.2

Chapter 2, Sections 2.1 - 2.4

Chapter 3, Sections 3.1 - 3.4

Chapter 4, Sections 4.1 - 4.9

Chapter 8, Sections 8.1 - 8.2

Chapter 9, Sections 9.1 - 9.2

<b>Grading:</b> Midterm grades	60%
Final Examination	40%

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

MATH 2333.002 Spring 2006

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,h, 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, 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,c,e, 7a,c, 8a, 10a, c, 11a, 15a, 16c, 17a, 18a, 19a, c, 20.

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, 5a, 6a, 7c, 8a,c, 22a.

Sec. 4.6: # 1a, 2a,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: # 2a,b, 3a, 5a, 6a.

Sec. 8.2: # 3, 4, 7a, 9, 14, 18, 19.

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

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