

**Syllabus for MATH 2890: Numerical Methods and Linear Algebra
Summer 2011**

Time and Place: Sec. 041: MTWR 12:00pm-12:50pm, HH 2301.

Instructor: Dibyajyoti Deb (I go by Deb).

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Course Webpage: <http://www.math.utoledo.edu/~ddeb> (Click on Teaching).

Phone: (419)-530-2789.

Office Hours: MTW - 1:00pm-2:00pm.

Prerequisites: Undergraduate level MATH 1830 Minimum Grade of D- or Undergraduate level MATH 1850 Minimum Grade of D- or Undergraduate level MATH 1920 Minimum Grade of D-.

Useful materials:

- MATLAB or a similar free version software FreeMat (<http://freemat.sourceforge.net/download.html>)
- This website http://math.utoledo.edu/~codentha/Linear_Algebra/index.html has lots of useful information and problems regarding linear algebra. (Must use Firefox to view that website)

Text: *Linear Algebra and its applications*. David C. Lay, Pearson/Addison Wesley, 3e.

Attendance: Attendance is essential for success in the course. You are expected to be present in every class.

Resources: Mathematics tutoring is provided by the Mathematics Learning and Resource Center (<http://www.utoledo.edu/utlc/lec/>) that is located in the basement of the Carlson Library - phone ext. 2176. It operates on a walk-in basis. MLRC also provides tutoring on some residence halls.

Homework Assignments and Exams: There will be a total of 7 homeworks. The best 5 of these homeworks will count towards the final grade. There will be a total of 3 exams including the final exam.

Grading: Course grades will be determined using

- Homework - 25%.
- Exam 1 - 20%.
- Exam 2 - 25%.
- Final exam - 30%.

and the following scale: $A+ = 93-100$, $A = 90-92$, $B+ = 87-89$, $B = 83-86$, $B- = 80-82$ etc.

Class Schedule:

The class schedule is available at
<http://math.utoledo.edu/~ddeb/teaching/Summer11MATH2890/ScheduleSumm11-2890.pdf>

It includes all information regarding important dates and sections to be covered every week.

Various Policies:

- Except in cases of documented emergencies, there will be **no makeups** of exams and homeworks.

Important Dates:

No classes on May 30th, July 4th, 2011.

Last day to add/drop - January 18, 2010.

HW 1 due - 23rd May.

HW 2 due - 6th June.

Exam 1 - 7th June. (1.1-1.5, 1.7, 1.8, 2.1-2.3)

HW 3 due - 13th June.

HW 4 due - 27th June.

Exam 2 - 6th July. (2.4, 2.5, 2.8, 2.9, 5.1-5.3, 5.8)

HW 5 due - 11th July.

HW 6 due - 25th July.

Final Exam, HW 7 due - 4th Aug. (6.1-6.5, 7.1, 7.2, 7.4)