

**Instructor:** Kiarash M. Dolatshahi  
Room 515 Civil Eng.  
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**Schedule:** Saturday-Monday, 7:30-9:00  
Office hours: Monday, 9:00-9:30

**Grading:**

1- Homework	2.0/20
2- Mid-term exam	7.0/20
3- Final exam	10.0/20
4- Project	1.0/20

**Exam dates:** Midterm : 94/09/07 - 16:30-16:00  
Final :

**Lecture Topics:**

- Tensor analysis
- Fourier series
- Fourier transform
- Partial differential equations
- Complex variables

**Texts:**

1-Lai, W. Michael, David Rubin, and Erhard Krempl. *Introduction to continuum mechanics* Butterworth-Heinemann, 2009.

2-Malvern, Lawrence E. *Introduction to the Mechanics of a Continuous Medium*. No. Monograph. 1969.

3-Kreyszig, Erwin. *Advanced engineering mathematics* John Wiley & Sons, 2007.

4-Greenberg, Michael D. *Advanced Engineering Mathematics*, 2/E. Pearson Education India, 1998.