# *University of Portland*
# *School of Engineering*

EE 262
Spring 2016
A. Inan

## Homework # 4
(Assigned: Friday, February 12, 2016)
(Due: Wednesday, February 17, 2016, 9:15a.m.)

These problems are assigned from Engineering Signals and Systems by Ulaby/Yeagle (2013) (pages 78-82):

> **2.29. Parts (c) & (d). Frequency response of an LTI system.**
> **2.30. Frequency response of an LTI system.**
> **2.31. Steady-state sinusoidal response of an LTI system.**
> **2.34. Steady-state sinusoidal response of an LTI system.**
> **2.36\*. Steady-state sinusoidal response of an LTI system.**
> **\*Optional.**

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Please use the following guidelines for your homework solutions:
1) On the first sheet, at the top center, write: Homework #4-Solutions.
2) Provide your full name on the upper right corner of the first sheet.
3) Also write: EE 262/Spring 2016 on the upper left corner of the first sheet.
4) Solve each problem on a separate sheet unless your solution is very short.
5) Box all of your answers.
6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.

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### Important reminder:
EE 262-Midterm Exam # 1 is on Friday, February 19, 2016, 9:15-10:10a.m.
Closed book exam, only 1 formula sheet is allowed.

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