

*University of Portland*  
*School of Engineering*

EE 402/EE 502  
Spring 2014  
A. Inan

**Homework # 2**

(Assigned: Thursday, January 30, 2014)  
(Due: Tuesday, February 11, 2014, 9:15a.m.)

These problems are assigned from Electromagnetic Waves by Inan/Inan (2000) (pages 107-119):

- 2-12. Standing waves.**
- 2-18. Unknown medium.**
- 2-23. Submarine communication near a river delta.**
- 2-40. FM radio.**
- 2-48. VHF TV signal.**
- 2-50. Unknown wave polarization.**

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #2-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 402/EE 502-Spring 2014 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.