

University of Portland
School of Engineering

EE 402/EE 502
Spring 2014
A. Inan

Homework # 4

(Assigned: Thursday, March 20, 2014)
(Due: Tuesday, April 1, 2014, 9:15a.m.)

These problems are assigned from Electromagnetic Waves by Inan/Inan (2000) (pages 232-248):

- 3-29. Oblique incidence on a perfect conductor.**
- 3-30. Oblique incidence on a perfect conductor.**
- 3-32. Oblique incidence.**
- 3-33. Reflection from ground. (Assume nonmagnetic.)**
- 3-35. Brewster angle at the air-water interface.**

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 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.