

University of Portland
School of Engineering

EE 402/EE 502
Spring 2014
A. Inan

Midterm Exam—Take-Home Part (50%)

(Assigned: Wednesday, February 26, 2014)

(Due: Tuesday, March 4, 2014, 9:15a.m.)

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

2-17. (15 points) Concrete wall (15 points).

2-24. (20 points) Human brain tissue.

2-35. (15 points) Unknown material.

Please use the following guidelines for your solutions:

- 1) At the top center of the first sheet, write: Midterm Exam—Take-Home Part-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.
- 5) Provide your answers as single decimal-point numbers whenever possible.
- 6) Provide units for each answer and box all of your answers.
- 7) Staple your solutions in the above order before you turn them in.

Please turn in your Take-Home Midterm Exam solutions on time.

An Important Reminder Note:

EE 402/EE 502-In-Class Part of the Midterm Exam (the other 50%) is scheduled to be given on Thursday, March 6, 2014. This will be an open book, open notes exam.