EE241 WAVES I
Autumn 2005-2006

Class Information

Class Meetings:
MWF 9:00–9:50 AM, Location TBD

Instructor: Len Tyler
Office hours: David Packard 331, MW 1:15–3:15 p.m., or appointment.
Email: len.tyler@stanford.edu
Phone: (650) 723-3535 (emergencies 328-6420)

TA: Agram Piyush Shanker
Office hours: Problem Sessions TBA
               Conferences TBA
E-mail: shanker@stanford.edu
Phone: 723-3669 (office)

News Group, etc.
TBA

Class List
We will make use of the Registrar’s electronic list for sending out email, etc.
It’s important that you let us know if somehow you are not receiving anything
from us.

Important Dates
November 6–11  Midterm Exam (tentative week)
November 21, 23, 25  Thanksgiving—no class
December 3–9  Dead Week
December 16, 8:30–11:30 AM  Final Exam (per University schedule)
Materials
1. Course reader: “Notes on Waves,” Tyler, 2005. \( e^{j\omega t} \)
2. Standard electromagnetics text:
   Ramo, Whinnery, and Van Duzer,
   *Fields and Waves in Communications Electronics*, Wiley, 3rd ed., c1994. \( e^{j\omega t} \)
   (2nd ed. will also be OK, if you have this; Sections nos. are slightly different.)
3. General treatment of waves (required):
   Elmore and Heald,
   *Physics of Waves*, Dover, 1969. \( e^{-j\omega t} \)
4. Other general and specific works on reserve at Terman Engineering Library.

Grading
Weekly homework assignments 35%
Midterm Exam Open Book, Notes 25%
Final Exam Open Book, Notes 40%

Prerequisites: Guidelines only
Undergraduate electromagnetics or waves, minimum of two quarters,
   such as EE 141, 142, or...
Calculus and introduction to, or experience with, partial differential equations, or...
If you have questions or concerns about the prerequisites please see the instructor,
the TA, or both. If you know someone who has taken EE241 in the past you also
might want to discuss this with him or her.