

Sept. 11, 2015

Special Topics on Electromagnetics

Lecturer: Professor Jean-Fu Kiang

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Teaching Assistant: TBD

Textbook:

Akira Ishimaru, "Electromagnetic Wave Propagation, Radiation, and Scattering,"
Prentice Hall, 1991.

- (1) Homework: 40%
- (2) Midterm Examination: 30%
- (3) Final Examination: 30%

Lecture Topic	Lecture Date	Homework
Ch.3: Waves in Inhomogeneous and Layered Media	2015/9/18	HW1 Due <u>2015/9/25</u>
Ch.4: Waveguides and Cavities	2015/9/25	HW2 Due <u>2015/10/2</u>
Ch.5: Green's Functions	2015/10/2	HW3 Due <u>2015/10/9</u>
Ch.6: Radiation from Apertures and Beam Waves	2015/10/9	HW4 Due <u>2015/10/16</u>
Ch.7: Periodic Structures and Coupled-Mode Theory	2015/10/16	HW5 Due <u>2015/10/23</u>
Ch.8: Dispersion and Anisotropic Media	2015/10/23	HW6 Due <u>2015/10/30</u>
Review	2015/10/30	
Midterm Examination (Chs.3-8)	2015/11/13	
Ch.10: Scattering of Waves by Conducting and Dielectric Objects	2015/11/20	HW7 Due <u>2015/11/27</u>
Ch.11: Waves in Cylindrical Structures, Spheres, and Wedges	2015/11/27	HW8 Due <u>2015/12/4</u>
Ch.12: Scattering by Complex Objects	2015/12/4	HW9 Due <u>2015/12/11</u>

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Ch.14: Planar Layers, Strip Lines, Patches, and Apertures	2015/12/11	<u>HW10</u> Due <u>2015/12/18</u>
Ch.15: Radiation from a Dipole on the Conducting Earth	2015/12/18	<u>HW11</u> Due <u>2015/12/25</u>
Review	2015/12/25	
Final Examination (Chs.10-12, 14-15)	<u>2016/1/8</u>	