

Feb. 24, 2015

Electromagnetic Applications

Lecturer: Professor Jean-Fu Kiang

電機二館 Room 208, E-mail: jfkiang@ntu.edu.tw

Teaching Assistant: TBA

Textbook: Robert E. Collin, "Foundations for Microwave Engineering," second ed., McGraw-Hill, 1992.

Prerequisite: Electromagnetics (I), (II)

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

Lecture Topic	Lecture Date	Homework
Ch.2: Electromagnetic Theory	2015/2/25	HW1: Due <u>2015/3/4</u>
Ch.3: Transmission Lines and Waveguides (1/2)	2015/3/4	HW2: Due <u>2015/3/11</u>
Ch.3: Transmission Lines and Waveguides (2/2)	2015/3/11	HW3: Due <u>2015/3/18</u>
Ch.4: Circuit Theory for Waveguiding Systems	2015/3/18	HW4: Due <u>2015/3/25</u>
Ch.5: Impedance Transformation and Matching	2015/3/25	HW5: Due <u>2015/4/8</u>
Ch.6: Passive Microwave Devices	2015/4/8	HW6: Due <u>2015/4/15</u>
Midterm Examination [Chs.2-6] Open book	2015/4/22	
Ch.7: Electromagnetic Resonators	2015/4/29	HW7: Due <u>2015/5/6</u>
Ch.8: Periodic Structures and Filters (1/2)	2015/5/6	HW8: Due <u>2015/5/13</u>
Ch.8: Periodic Structures and Filters (2/2)	2015/5/13	HW9:

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		Due <u>2015/5/20</u>
Ch.9: Microwave Tubes	2015/5/20	<u>HW10:</u> Due <u>2015/5/27</u>
Ch.10: Solid-State Amplifiers	2015/5/27	<u>HW11:</u> Due <u>2015/6/3</u>
Ch.11: Parametric Amplifiers	2015/6/3	<u>HW12:</u> Due <u>2015/6/10</u>
Final Examination [Chs.7-11] Open book	<u>2015/6/24</u>	