

Syllabus

Course: ECE 162C: Optoelectronic Materials and Devices

Times: MW 12-2 (W 1-2 is discussion)

Place: Phelps 1431

Instructor: Prof. Larry Coldren
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Teaching Assistant: Abirami Sivananthan
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Text: Primary: Optoelectronics and Photonics, S.O. Kasap, Prentice Hall, NJ (2001)
ISBN 0-201-61087-6

Reference: Photonic Devices, J-M Liu, Cambridge (2005)
ISBN-13 978-0-521-55195-3

Reference: Coldren & Corzine, "Diode Lasers and Photonic Integrated Circuits," Wiley, NY; ISBN: 0-471-11875-3

Course Coverage: All of Kasap and related materials in Liu

Date	Assignment
3/30/09	Ch 1- Kasap: Wave Nature of Light
4/1/2009	Ch 1
4/6/2009	Ch 2- Kasap: Dielectric Waveguides and Optical Fibers
4/8/2009	Hwk #1 Due
4/13/2009	Hwk #2 Due
4/15/2009	Ch 3- Kasap: Semiconductor Science and LEDs
4/20/2009	Ch 4; Hwk #3 Due
4/22/2009	Ch 4- Kasap: Stimulated Emission Devices – LASERS
4/27/2009	Ch 4; Hwk #4 Due
4/29/2009	Review
5/4/2009	Review; HW #5 due
5/6/2009	Midterm
5/11/2009	Ch 5; Midterm Redo (Hwk #6);
5/13/2009	Ch 5; Kasap: Photodetectors
5/18/2009	Ch 6; Hwk #7 due
5/20/2009	Ch 6; Kasap: Photovoltaic Devices
5/25/2009	Memorial Day
5/27/2009	Ch 7; Hwk #8 due; Kasap: Polarization and Modulation of Light
6/1/2009	Ch 7
6/3/2009	Review; Hwk #9 Due
6/9/2009	FINAL 12-3