ENG EC570 Lasers
Spring 2015

Course Description:

Credits: 4

Lecture: Monday/Wednesday 10am-12pm (Fall 2013) in PHO 202

Textbook and References:
Required:
• Laser Electronics, Joseph T. Verdeyen, 3rd Ed., Prentice Hall

References
• Lasers, Siegman
• Fundamentals of Photonics, Saleh and Teich
• Quantum Electronics, Yariv

Instructor:
Professor Michelle Sander, Electrical & Computer Engineering,
Email: msander@bu.edu
Office: Photonics PHO 534, phone 617-353-0505
Office hours: TBD

Prerequisites:
ENG EC 560 - Introduction to Photonics, or consent of instructor

Goals: To provide students with:
• A thorough understanding of the theoretical underpinnings of lasers and optical components;
• Experience in the design of optical systems that make use of lasers;
• Knowledge of the applications of lasers in optical systems.

Class Materials:
• Lecture slides, reading assignments from the book and homework sets will be posted online at https://learn.bu.edu

Exams:
• 2 in-class written exams, closed book, 100 minutes each
• 1 project report and presentation