

Prof. Yen-Chieh Huang
Dept of Electrical Engineering
National Tsing-Hua University
Hsinchu, Taiwan 300

ext. 62214
office: EECS 516
email: ychuang@ee.nthu.edu.tw
EE313000, 07/08

EE313000 Introduction to Optoelectronics Engineering I

國立清華大學 電機工程學系

Prof. 黃衍介
Fall, 2007/08

class location: EECS106
class schedule: M9W7W8

Teaching Assistants: 李傳巽、王玠皓

Textbook

Optics, by Hecht, Addison Wesley.

Handouts:

The lectures of this course will follow the sequence in the course reader Modern Optics, which will be available at 水木書苑 around Sep. 17. All the materials in the reader will also be available from <http://ychuang.ee.nthu.edu.tw>

References

近代實驗光學，作者：黃衍介，東華書局出版，2005.

(This textbook is written in Chinese with English keywords. You can browse this textbook to get most concepts about optics.)

Grading Policy:

Homework	20% (due in class, no exception!)
pre-class quiz (open book)	20%
midterm exams (twice), final exam	20% x 3

If needed, extra-credits are given based upon your performance on weekly quiz.

Course Contents

This course will cover the following contents: Electromagnetic waves and light, Geometric Optics, Polarization, Interference, interference, Diffraction, laser mode, Fourier Optics, Fourier Optics, Basics of Coherence Theory