

Notes 1 – Survey of principles:

Links to spectroscopy courses on line (many are out of service):

Brian Tissue Course on several methods, giving an instrumental analysis level survey, (on a Korean server) may be incomplete, quite terse, some figures

<http://elchem.kaist.ac.kr/vt/chem-ed/analytic/ac-meths.htm>- spectroscopy

<http://elchem.kaist.ac.kr/vt/chem-ed/courses/spec/toc.htm>- intro

MIT lab course – links to pdf files – Phys Chem. Lab style—two versions:

<http://web.mit.edu/5.33/www/lectures.html>

<http://ocw.mit.edu/OcwWeb/Chemistry/5-33Advanced-Chemical-Experimentation-and-InstrumentationFall2002/LectureNotes/>

Akron University molecular Spectroscopy organic course, very simple

http://ull.chemistry.uakron.edu/analytical/Mol_spec/

Iowa State course, properties of light,

<http://avogadro.chem.iastate.edu/CHEM513/513-1.pdf>

physical optics

<http://avogadro.chem.iastate.edu/CHEM513/513-2.pdf>

<http://avogadro.chem.iastate.edu/CHEM513/513-3.pdf>

Michigan State course, the home of the textbook authors, this site by Simon J. Garrett

<http://www.cem.msu.edu/~reusch/VirtualText/Spectrpy/spectro.htm>- contnt

Introduction

<http://www.cem.msu.edu/~cem333/Week01.pdf>

<http://www.cem.msu.edu/~cem333/Week02.pdf>

Optical spectra tech--optics, sources detect

<http://www.cem.msu.edu/~cem333/Week03.pdf>

UV-vis absorption

<http://www.cem.msu.edu/~cem333/Week04.pdf>

Luminescence

<http://www.cem.msu.edu/~cem333/Week05.pdf>

IR notes

<http://www.cem.msu.edu/~cem333/Week06.pdf>

Atomic spectra

<http://www.cem.msu.edu/~cem333/Week07.pdf>