

Optical Microscopy for Biomedical Research

T/Th 9-10:30 am K2.610

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Syllabus (subject to change)

6/22/04	Lenses & Microscopes 1
6/24/04	Lenses & Microscopes 2
6/29/04	Image Formation, Resolution & Contrast
7/1/04	Phase Contrast & DIC
7/6/04	Detectors
7/8/04	Digital Imaging Basics
7/13/04	Image Enhancement and Analysis
7/15/04	Fluorescence Microscopy Basics
7/20/04	Optical Sectioning Microscopy
7/22/04	Deconvolution
7/27/04	Quantitative Fluorescence Microscopy
7/29/04	FRET
8/3/04	Special Topics in Fluorescence Microscopy
8/5/04	Photoshop Basics

Check for updates at:

<http://www8.utsouthwestern.edu/utsw/cda/dept25133/files/113477.html>

I will be posting the Powerpoints for my lectures at the following web address:

<http://129.112.18.129/imaging/workshop.htm>

Windows users can click on the link to download the file.

Mac users use option click to download the file. You may need to change the extension from html to ppt.

Requirements for graduate credit:

1. Attend all lectures. Exceptions will be made only by prior arrangement. Attendance will be taken.
2. Completion of all lab exercises, problem sets and intramural field trips