

" "

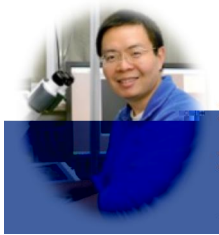
教师风采



2011 " " 2013
2013-2021 FI ST I IX



2011 " " 2017
2018 " "



2011 " " 2013 " "
2015 " "



" "

"

"



1.

2.

--

		2022-8-21	2022-8-30		
8/21		11			
8/22		2-4			
		6-8	Evi dent		
8/23		2-4	Photometrics		
		6-8	Semrock		
8/24		2-4			
		6-8	TI RFM SPI M		
		11-13			
8/25		1-9	I Phase & DI C TI RF/FRAP	Evi dent	
8/26		1-9	II Phase & DI C TI RF/FRAP	Evi dent	
8/27		2-4			
		6-8			
8/28		2-4			
		6-8			
8/29		2-4			
		6-8			
8/30		2-4			
		6-8			

3.

Assessment Criteria	Percentage	Assessment Standard
Attendance	10%	
Parti ci pati o	10%	

n		
Assignment(s)	80%	ABC ABC A 1/3
Course Paper		/
Open-book exam		/

4.

Introduction

- What Can You Learn with a Light Microscope?
<https://www.ibiology.org/talks/light-microscopy/>

Transmitted Light Microscopy

- Lenses and Image Formation
<https://www.ibiology.org/talks/refractive-lenses/>
- Microscope Imaging and Koehler Illumination
<https://www.ibiology.org/talks/microscope-imaging-koehler-illumination/>
- Resolution in Microscopy
<https://www.ibiology.org/talks/resolution-of-a-microscope/>
- Dark Field, Phase Contrast, Polarization and Differential Interference Contrast (DIC) Microscopy
<https://www.ibiology.org/talks/phase-contrast-microscopy/>
<https://www.ibiology.org/talks/polarization-microscopy/>
<https://www.ibiology.org/talks/differential-interference-contrast/>

Collecting and Analyzing Images

- Cameras and Digital Image Analysis
<https://www.ibiology.org/talks/photosensitive-detector/>

[ctors/](#)

<https://www.ibiology.org/talks/cameras-detectors-i>

[i/ https://www.ibiology.org/talks/digital-images/](https://www.ibiology.org/talks/digital-images/)

<https://www.ibiology.org/talks/image-analysis/>

Fluorescence Microscopy

- Introduction to Fluorescence Microscopy

<https://www.ibiology.org/talks/fluorescence-microscopy/>

- Fluorescent Probes

<https://www.ibiology.org/talks/fluorescent-probes/>

- Fluorescent Proteins

<https://www.ibiology.org/talks/fluorescent-proteins/>

<https://www.ibiology.org/talks/fluorescent-protein-indicators/>

- Optical Sectioning and Confocal Microscopy

<https://www.ibiology.org/talks/confocal-microscopy/>

- Measuring Dynamics: Photobleaching and Photoactivation

<https://www.ibiology.org/talks/photobleaching-and-photoactivation/>

- Super-Resolution Microscopy

<https://www.ibiology.org/talks/stimulated-emission-depletion/>

<https://www.ibiology.org/talks/super-resolution-localization-microscopy/>

<https://www.ibiology.org/talks/structured-illumination-microscopy/>

5.

Office Add	128	Office Hour	8:30~17:30
Email Add	cell@fudan.edu.cn	Contact phone	021-31246727

