

Lectures: Tuesday and Thursday, 8:30 - 10:00 AM, Holden Auditorium (10/12, 11/21, 11/28, 12/19 in Cori Auditorium)

Discussion section: Wednesday, 3:00 - 4:00 PM.

Coursemasters: Bob Mercer, 5512 Cancer Research Building, 362-6924, rmercer@wustl.edu
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Web site: The url is: <http://mcb5068.wustl.edu>. One can also navigate to it from the Department of Cell Biology and Physiology web site (<http://www.cellbiology.wustl.edu>).

Please sign up on the web site starting August 29, in order for us to assign you to a group for Discussion Section. The signup page closes at 12 noon on Thursday, August 31. We will email and post the groups by Tuesday, Sept. 5 and the first session is the next day at 3:00 PM.

Day	Date	Title	Lecturer
Tues	8/29	Introduction: Logic and Approaches Cellular Compartmentalization & Membrane Structure	Mercer Mueckler
Thurs	8/31	Nascent Proteins & Secretory Pathway: The Signal Hypothesis.	Mueckler
		Labor Day Weekend	
Tues	9/5	Targeting and Transport Outside the Secretory Pathway	Mueckler
Wed	9/6	Discussion section #1	
Thurs	9/7	Endoplasmic reticulum: quality control, processing, and exit	Hanson
Tues	9/12	Secretory pathway. Membrane fusion	Hanson
Wed	9/13	Discussion section #2	
Thurs	9/14	Endocytic pathways	Hanson
Tues	9/19	Microtubules and their functions in cells	Mahjoub
Wed	9/20	Discussion section #3	
Thurs	9/21	Cell migration and actin-based motility	Morley
Tues	9/26	Ubiquitin-proteasome protein degradation	Weihl
Wed	9/27	Center for Cellular Imaging	
Thurs	9/28	Intermediate filaments and cytoskeletal forces	Greenberg
Tues	10/3	In class Exam 1: Mueckler, Hanson, Weihl, Morley, Mahjoub and Greenberg.	
Wed	10/4	No Discussion Section	
Thurs	10/5	Receptor-gated Channels	Nichols
Tues	10/10	Voltage-gated Channels	Nichols
Wed	10/11	Discussion section #4	
Thurs	10/12	Membrane Transport	Mercer
Tues	10/17	Cell Junctions / Epithelial Cell Biology / Cell Polarity	Mercer

Wed	10/18	Discussion section #5	
Thurs	10/19	Signaling throughout Evolution	Blumer
Tues	10/24	Signal Transduction: Cytokine receptors, Nuclear hormone Receptors, and other pathways	Bose
Wed	10/25	Discussion section #6	
Thurs	10/26	Signal Transduction by G proteins	Blumer
Tues	10/31	Signal Transduction in Human Disease	Oh
Wed	11/1	Discussion section #7	
Thurs	11/2	Proteomics	Bose
Tues	11/7	In class Exam 2: Mercer, Nichols, Blumer, Bose, Oh.	
Wed	11/8	No Discussion section	
Thurs	11/9	Tumor Suppressor Genes and Oncogenes	Weber
Tues	11/14	Cell Cycle	Bose
Wed	11/15	Discussion section #8	
Thurs	11/16	Cancer Cell Biology	Stewart
Tues	11/21	Stem Cell Biology	Huettner
Wed	11/22	No Discussion section/Thanksgiving	
Thurs	11/23	Thanksgiving	
Tues	11/28	Cells of the Nervous System	Mercer
Wed	11/29	Discussion section #9	
Thurs	11/30	Extracellular Matrix	Miner
Tues	12/5	Cell-matrix Interactions	Miner
Wed	12/6	Discussion section #10	
Thurs	12/7	Apoptosis	Schlesinger
Tues	12/12	Protein Structure and Dynamics (w/ NMR, MD)	Amarasinghe
Wed	12/13	Discussion section #11	
Thurs	12/14	Structural Biology: X-ray Crystallography	Fremont
Tues	12/19	In class Exam 3: Weber, Stewart, Huettner, Mercer, Miner, Schlesinger, Fremont and Amarasinghe.	