

**Tentative calendar as of 19 July 09**

Aug 10	M	Aug 11	Tu	Aug 12	W	Aug 13	Th	Aug 14	F
Exemption Exam requests (name, email address, phone number, and a list of exams requested) must be received by 5:00 pm 08/10/09 at kraig@uthscsa.edu.				Biochem Exemption Exam 8:30-11:30 Room 209L		Physiol Exemption Exam 8:30-11:30 Room 209L		Cell Biol Exemption Exam 8:30-11:30 Room 2.010 / 2.040	

Aug 17	M	Aug 18	Tu	Aug 19	W	Aug 20	Th	Aug 21	F
Molec Exemption Exam 8:30-11:30 Room 209L		Micro & Imm Exam 8:30-11:30 Room 209L						CONVOCATION PICNIC, FUN! 4:00-7:00	

Aug 24	M	Aug 25	Tu	Aug 26	W	Aug 27	Th	Aug 28	F
Orientation		B2 Hart		B4 Hart		B6 Hart		B8 Sousa	
B1 Hart		B3 Hart		B5 Hart		B7 Sousa		B9 Sousa	
Acid base tutorial (for students without good chem bkg)		TRACK PRESENTATIONS		TRACK PRESENTATIONS		TRACK PRESENTATIONS			

Aug 31	M	Sep 1	Tu	Sep 2	W	Sep 3	Th	Sep 4	F
B10 Sousa		M1 Kolodrubetz		M3 Kolodrubetz		M5 Kraig		Review for exam 1	
B11 Sousa		M2 Kraig		M4 Kolodrubetz		M6 Kolodrubetz			
RESEARCH OPPORTUNITIES 4:00-6:00		DNA models enrichment Kolo/Kraig (optional)		RESEARCH OPPORTUNITIES 4:00-6:00		Genetics tutorial (for students with no training in genetics)			

Sep 7	M	Sep 8	Tu	Sep 9	W	Sep 10	Th	Sep 11	F
LABOR DAY		EXAM 1 (B 1-11)		M7 Kraig		M9 Kraig		M11 Kolodrubetz	
				M8 Kraig		M10 Kraig		M12 Kolodrubetz	
		RESEARCH OPPORTUNITIES 4:00-6:00		Cells and tissue culture enrichment Hornsby (optional)		RESEARCH OPPORTUNITIES 4:00-6:00		Microscopy enrichment Lechleiter (optional)	

Sep 14	M	Sep 15	Tu	Sep 16	W	Sep 17	Th	Sep 18	F
M13 Kolo/Kraig		M15 Kraig		B13 Henn		M17 Bishop		B14 Henn	
M14 Kraig		B12 Henn		M16 Bishop		M18 Bishop		B15 Henn	
		Take home on M3,4 is due by 5:00 pm							

Sep 21 M	Sep 22 Tu	Sep 23 W	Sep 24 Th	Sep 25 F
Review for exam 2	EXAM 2 M 1,2;5-15	B16 Henn	M19 Haldenwang	M21 Haldenwang
		B17 Henn	M20 Haldenwang	B18 Henn

Sep 28 Yom Kippur	Sep 29 Tu	Sep 30 5 W	Oct 1 Th	Oct 2 F
B19 Henn	B21 Shiio	B23 Shiio	M23 Kadosh	M25 Kadosh
B20 Henn	B22 Shiio	M22 Kolodrubetz	M24 Kadosh	M26 Kolo/Kadosh
Take home on M16, 17,18 due by 5:00pm				
ROTATION #1 BEGINS				

Oct 5 M	Oct 6 Tu	Oct 7 W	Oct 8 Th	Oct 9 F
Review for Exam 3	EXAM 3 B12-23	M27 Kolodrubetz	B24 Weintraub	M29 Dong
		M28 Kolodrubetz	B25 Weintraub	M30 Dong

Oct 12 M	Oct 13 Tu	Oct 14 W	Oct 15 Th	Oct 16 F
M31 Dong	B27 Weintraub	M33 Penalva	B28 Weintraub	B30 Weintraub
B26 Weintraub	M32 Penalva	M34 Penalva	B29 Weintraub	Review for Exam 4

Oct 19 M	Oct 20 Tu	Oct 21 W	Oct 22 Th	Oct 23 F
EXAM 4 M19-31	C1 Dong/Lech	C3 Lechleiter	C5 Bai	C7 Lafer
	C2 Lechleiter	C4 Bai	C6 Bai	C8 Lafer
				Take home on M32- 34 due by 5:00pm

Oct 26	M	Oct 27	Tu	Oct 28	W	Oct 29	Th	Oct 30	F
C9 Nicholson		C11 Lindsey		P2 Buffenstein		P4 Hornsby		P6 Nelson	
C10 Nicholson		P1 Buffenstein		P3 Buffenstein		P5 Hornsby		P7 Nelson	
				Take home on B24-30 due by 5:00pm					

Nov 2	M	Nov 3	Tu	Nov 4	W	Nov 5	Th	Nov 6	F
Review for EXAM 5		EXAM 5 (C1-6,C11;P 1 – 7)		C12 Clarke		C14 Dong		C16 Dong	
				C13 Clarke		C15 Dong		C17 Hornsby	
								Take home on C7,C8 due by 5:00 pm	

Nov 9	M	Nov 10	Tu	Nov 11	W	Nov 12	Th	Nov 13	F
C18 Sun		C20 Hornsby		C22 Sun		C24 Saikumar		C26 Vogel	
C19 Sun		C21 Sun		C23 Saikumar		C25 Walter		C27 Vogel	
Take home on C9,10 due by 5:00 pm									
ROTATION #2 BEGINS									

Nov 16	M	Nov 17	Tu	Nov 18	W	Nov 19	Th	Nov 20	F
Review for EXAM 6		EXAM 6 (C12-16,18,19,21-25)		P8 Toney		P10 Toney		P12 Stockand	
				P9 Toney		P11 Stockand		P13 Toney	
								Take home on C17,20 due 5:00pm	

Nov 23	M	Nov 24	Tu	Nov 25	W	Nov 26	Th	Nov 27	F
MI 1 Dube		MI 3 Berton		MI 5 Krolick		<b>Thanksgiving</b>			
MI 2 Zhong		MI 4 Berton		MI 6 Krolick					
				(Take home due by 5:00 pm C 26,27)					

Nov 30	M	Dec 1	Tu	Dec 2	W	Dec 3	Th	Dec 4	F
P14 Shapiro		P16 Macleod		P18 Macleod		P20 Eaton		MI 7 Kraig/Infante	
P15 Shapiro		P17 Macleod		P19 Eaton		Antibodies – Kraig/Berton Enrichment (optional)		MI 8 Kraig/Infante	

Dec 7	M	Dec 8	Tu	Dec 9	W	Dec 10	Th	Dec 11	F
Review for EXAM 7		<b>EXAM 7 (P 8 – 20)</b>		MI 9 Dube		MI 11 Dube		MI 13 Bose	
				MI 10 Dube		MI 12 Xiang		MI 14 Kadosh	

Dec 14	M	Dec 15	Tu	Dec 16	W	Dec 17	Th	Dec 18	F
Review for Exam 8		<b>EXAM 8 MI 1 - 14</b>		<b>M35/36 Kraig (attendance is mandatory)</b>		<b>P21 Physiology/ Pathology (credit for attendance; attendance mandatory)</b>			
								Take home #4 due by 5:00 pm M35,36	

# BIOCHEMISTRY MODULE

Director: Sue Weintraub

	Lecturer	Day	Date	Time	Lecture Topic
B 1	Hart	M	Aug 24	9:45-10:45	Overview, the logic of life, interactions in water
tutorial	Hart	M	Aug 24	1:00-2:00	Acids, bases, and pH (optional tutorial for students without chem bkg)
B 2	Hart	Tu	Aug 25	8:30-9:30	Amino acids
B 3	Hart	Tu	Aug 25	9:45-10:45	Proteins (general), prot analysis/characterization, protein structure (intro)
B 4	Hart	W	Aug 26	8:30-9:30	Protein primary and secondary structure
B 5	Hart	W	Aug 26	9:45-10:45	Protein tertiary and quaternary structure
B 6	Hart	Th	Aug 27	8:30-9:30	Protein folding
B 7	Sousa	Th	Aug 27	9:45-10:45	Enzymes (introduction)-concepts in catalysis
B 8	Sousa	F	Aug 28	8:30-9:30	Enzymes-molecular mechanisms
B 9	Sousa	F	Aug 28	9:45-10:45	Enzymes-kinetics
B 10	Sousa	M	Aug 31	8:30-9:30	Enzymes-inhibition
B 11	Sousa	M	Aug 31	9:45-10:45	Enzymes-regulation
<b>Review</b>		<b>F</b>	<b>Sep 4</b>	<b>8:30-9:30</b>	<b>Covers Biochemistry lectures B 1-11</b>
<b>Exam 1</b>		<b>Tu</b>	<b>Sep 8</b>	<b>8:00-11:45</b>	
B 12	Henn	Tu	Sep 15	9:45-10:45	Introduction to metabolism
B 13	Henn	W	Sep 16	8:30-9:30	Carbohydrate structures and chemistry
B 14	Henn	F	Sep 18	8:30-9:30	Glycolysis and fates of pyruvate
B 15	Henn	F	Sep 18	9:45-10:45	Hexose monophosphate pathway
B 16	Henn	W	Sep 23	8:30-9:30	Pyruvate dehydrogenase complex; TCA cycle
B 17	Henn	W	Sep 23	9:45-10:45	Mitochondrial electron transport, oxidative phosphorylation
B 18	Henn	F	Sep 25	9:45-10:45	Gluconeogenesis; anaplerotic reactions and pathways
B 19	Henn	M	Sep 28	8:30-9:30	Glycogen metabolism
B 20	Henn	M	Sep 28	9:45-10:45	Flux control: tissue specific metabolism
B 21	Shiio	Tu	Sep 29	8:30-9:30	General amino acid metabolism
B 22	Shiio	Tu	Sep 29	9:45-10:45	Purine and pyrimidine metabolism
B 23	Shiio	W	Sep 30	8:30-9:30	Importance of amino acids, nucleotides, and their metabolites
<b>Review</b>		<b>M</b>	<b>Oct 5</b>	<b>8:30-9:30</b>	<b>Covers Biochemistry lectures B 12-23</b>
<b>Exam 3</b>		<b>Tu</b>	<b>Oct 6</b>	<b>8:00-11:45</b>	
B 24	Weintraub	Th	Oct 8	8:30-9:30	Chemical and physical properties of lipids; digestion and absorption
B 25	Weintraub	Th	Oct 8	9:45-10:45	Lipid transport, fatty acid oxidation
B 26	Weintraub	M	Oct 12	9:45-10:45	Ketone bodies, fatty acid synthesis
B 27	Weintraub	Tu	Oct 13	8:30-9:30	Fatty acid synthesis (cont.); regulation of fatty acid metabolism
B 28	Weintraub	Th	Oct 15	8:30-9:30	Phospholipids; inositol phosphate; eicosanoids
B 29	Weintraub	Th	Oct 15	9:45-10:45	Steroid synthesis, metabolism, regulation, and steroid hormones
B 30	Weintraub	F	Oct 16	8:30-9:30	Steroid synthesis, metabolism, regulation, and steroid hormones
<b>Take home due</b>		<b>W</b>	<b>Oct 28</b>	<b>by 5:00 pm</b>	<b>Covers Biochemistry lectures B 24-30 (Weintraub)</b>

# MOLECULAR MODULE

Directors: **David Kolodrubetz and Ellen Kraig**

	Lecturer	Day	Date	Time	Lecture Topic
M1	Kolodrubetz	Tu	Sep 1	8:30-9:30	Nucleic acid structures (A, B, Z DNA, methylation, supercoiling), function
M2	Kraig	Tu	Sep 1	9:45-10:45	Prokaryotic vs. Eukaryotic gene organization and characterization
Enrich	Kolodrubetz/Kraig	Tu	Sep 1	1:00-2:00	Enrichment-DNA model building (Optional enrichment)
M3	Kolodrubetz	W	Sep 2	8:30-9:30	Whole genome analysis
M4	Kolodrubetz	W	Sep 2	9:45-10:45	Molecular analysis of RNA expression (single gene, microarrays)
M5	Kraig	Th	Sep 3	8:30-9:30	Complex RNA expression and protein expression/localization
M6	Kolodrubetz	Th	Sep 3	9:45-10:45	Prokaryotic genetics, homol recomb (recA), DNA-protein interactions
Tutorial	Kraig	Th	Sep 3	1:00-3:00	Genetics tutorial – for students who have no bkg in Mendel/pedigrees
M7	Kraig	W	Sep 9	8:30-9:30	Molecular genetics and gene function (euk transfection & transgenics)
M8	Kraig	W	Sep 9	9:45-10:45	Molecular genetics and gene function (dominant negative, antisense)
M9	Kraig	Th	Sep 10	8:30-9:30	Molecular genetics and gene function (knockouts, knock-ins)
M10	Kraig	Th	Sep 10	9:45-10:45	Molecular genetics and gene mapping (eukaryotic)
M11	Kolodrubetz	F	Sep 11	8:30-9:30	DNA replication (origins, centromeres, functions of polymerases,)
M12	Kolodrubetz	F	Sep 11	9:45-10:45	DNA replication (prokaryotic initiation and elongation)
M13	Kolodrubetz/Kraig	M	Sep 14	8:30-9:30	DNA replication (eukaryotic proteins and model)and Amplification
M14	Kraig	M	Sep 14	9:45-10:45	Transposable elements / rearrangements
M15	Kraig	Tu	Sep 15	8:30-9:30	DNA rearrangements (antibody genes, tumors)
<b>Take home due</b>		<b>Tu</b>	<b>Sep 15</b>	<b>by 5:00 pm</b>	<b>Covers Molecular lectures M 3-4</b> (Kolodrubetz genome lectures)
M16	Bishop	W	Sep 16	9:45-10:45	DNA damage (ways in which DNA can be damaged) and DNA repair
M17	Bishop	Th	Sep 17	8:30-9:30	DNA repair pathways
M18	Bishop	Th	Sep 17	9:45-10:45	How mutations (≠ DNA damage) arise and are identified
<b>Review</b>		<b>M</b>	<b>Sep 21</b>	<b>8:30-9:30</b>	<b>Covers Molecular lectures M1,2, 5-15</b>
<b>Exam 2</b>		<b>Tu</b>	<b>Sep 22</b>	<b>8:00-11:45</b>	
<b>Take home due</b>		<b>M</b>	<b>Sep 28</b>	<b>by 5:00 pm</b>	<b>Covers Molecular lectures M 16-18</b> (Bishop)
M19	Haldenwang	Th	Sep 24	8:30-9:30	Prokaryotic transcription-polymerases, promoters
M20	Haldenwang	Th	Sep 24	9:45-10:45	Prokaryotic transcription -positive and negative regulation
M21	Haldenwang	F	Sep 25	8:30-9:30	Prok transcription-enhancers, 2 component systems, regulatory RNAs
M22	Kolodrubetz	W	Sep 30	9:45-10:45	Higher order DNA structure (nucleosomes, chromatin, compacting DNA)
M23	Kadosh	Th	Oct 1	8:30-9:30	Euk transcription (RNA pol II; cis elements; basal & activated transc.)
M24	Kadosh	Th	Oct 1	9:45-10:45	Eukaryotic transcription (regulation of RNA pol II transcription)
M25	Kadosh	Fri	Oct 2	8:30-9:30	Eukaryotic transcription (termination, transcription regulatory networks)
M26	Kadosh	Fri	Oct 2	9:30-10:00	Finish Eukaryotic transcription (regulatory networks)
	Kolodrubetz	Fri	Oct 2	10:15-10:45	Role of chromatin in transcription (beginning)
M27	Kolodrubetz	W	Oct 7	8:30-9:30	Chromatin remodeling complexes and transcription
M28	Kolodrubetz	W	Oct 7	9:45-10:45	Chromatin Modification, DNA Methylation and Epigenetics
M29	Dong	F	Oct 9	8:30-9:30	Translation (mechanisms, prokaryotic vs. eukaryotic, basic regulation)
M30	Dong	F	Oct 9	9:45-10:45	Micro RNAs (synthesis and functions)
M31	Dong	M	Oct 12	8:30-9:30	RNA interference, siRNA
M32	Penalva	Tu	Oct 13	9:45-10:45	RNA-Splicing mechanisms and basic regulation
M33	Penalva	W	Oct 14	8:30-9:30	RNA-alternative splicing and editing
M34	Penalva	W	Oct 14	9:45-10:45	RNA-stability, transport and localization
<b>Review</b>		<b>F</b>	<b>Oct 16</b>	<b>9:45-10:45</b>	<b>Covers Molecular lectures M 19-31</b>
<b>Exam 4</b>		<b>M</b>	<b>Oct 19</b>	<b>8:00-11:45</b>	
<b>Take home due</b>		<b>F</b>	<b>Oct 23</b>	<b>by 5:00 pm</b>	<b>Covers Molecular lectures M 32-34</b> (Penalva)
M35	Kraig	W	Dec 16	8:30-9:30	Gene therapy (required attendance)
M36	Kraig	W	Dec 16	9:45-10:45	Gene therapy (required attendance)
<b>Take home exam due</b>		<b>F</b>	<b>Dec 18</b>	<b>by 5:00 pm</b>	<b>Covers Molecular lectures M 35-36</b> (Kraig – gene therapy)

# CELL BIOLOGY MODULE

Directors: Lily Dong and Yidong Bai

	Lecturer	Day	Date	Time	Lecture Topic
Enrich	Hornsby	W	Sep 9	1:00-2:00	Enrichment-tissue culture techniques and cells in culture (optional)
Enrich	Lechleiter	F	Sep 11	1:00-2:00	Enrichment-microscopy (optional)
C 1	Dong and Lechleiter	Tu	Oct 20	8:30-9:30	Introduction of Cell Biology and Visualizing cells (microscopy & imaging)
C 2	Lechleiter	Tu	Oct 20	9:45-10:45	Cell membrane structure and membrane transport
C 3	Lechleiter	W	Oct 21	8:30-9:30	Membrane potential and ion movement
C 4	Bai	W	Oct 21	9:45-10:45	Mitochondria and chloroplasts
C 5	Bai	Th	Oct 22	8:30-9:30	Peroxisomes, lysosomes and proteasomes
C 6	Bai	Th	Oct 22	9:45-10:45	Nuclear structure and nuclear cytoplasmic transport
C 7	Lafer	F	Oct 23	8:30-9:30	The secretory and endocytic pathways
C 8	Lafer	F	Oct 23	9:45-10:45	The secretory and endocytic pathways
C 9	Nicholson	M	Oct 26	8:30-9:30	Cell junctions
C 10	Nicholson	M	Oct 26	9:45-10:45	Gap junction
C 11	Lindsey	Tu	Oct 27	8:30-9:30	Extracellular matrix and integrin signaling
<b>Review</b>		<b>M</b>	<b>Nov 2</b>	<b>8:30-9:00</b>	<b>Covers Cell Biology C1-6,11 and Physiology P1-7</b>
<b>Exam 5</b>		<b>Tu</b>	<b>Nov 3</b>	<b>8:00-11:45</b>	
<b>Take home exam due</b>		<b>F</b>	<b>Nov 6</b>	<b>by 5:00 pm</b>	<b>Covers Cell Biology lectures C 7,8 (Lafer)</b>
<b>Take home exam due</b>		<b>M</b>	<b>Nov 9</b>	<b>by 5:00 pm</b>	<b>Covers Cell Biology lectures C 9,10 (Nicholson)</b>
C 12	Clarke	W	Nov 4	8:30-9:30	G-protein-coupled receptor
C 13	Clarke	W	Nov 4	9:45-10:45	Ca <sup>++</sup> signaling
C 14	Dong	Th	Nov 5	8:30-9:30	Protein kinase receptors and the downstream signaling regulation
C 15	Dong	Th	Nov 5	9:45-10:45	Nuclear receptors
C 16	Dong	F	Nov 6	8:30-9:30	Cytoskeleton and motor proteins
C 17	Hornsby	F	Nov 6	9:45-10:45	Regulation of Cell Mass and mTOR signaling
C 18	Sun	M	Nov 9	8:30-9:30	Progression of cell cycle
C 19	Sun	M	Nov 9	9:45-10:45	Cell cycle checkpoints
C 20	Hornsby	Tu	Nov 10	8:30-9:30	Cell senescence, telomeres and telomerase
C 21	Sun	Tu	Nov 10	9:45-10:45	The mechanics of M phase
C 22	Sun	W	Nov 11	8:30-9:30	Molecular basis of carcinogenesis
C 23	Saikumar	W	Nov 11	9:45-10:45	Cell death (necrosis, autophagy, paratosis and entosis)
C 24	Saikumar	Th	Nov 12	8:30-9:30	Apoptosis
C 25	Walter	Th	Nov 12	9:45-10:45	Stem cells and cell differentiation
C 26	Vogel	F	Nov 13	8:30-9:30	Development I
C 27	Vogel	F	Nov 13	9:45-10:45	Development II
<b>Review</b>		<b>M</b>	<b>Nov 16</b>	<b>8:30-9:00</b>	<b>Covers Cell Biology C12-16,18,19,21-25</b>
<b>Exam 6</b>		<b>T</b>	<b>Nov 17</b>	<b>8:00-11:45</b>	
<b>Take home exam due</b>		<b>F</b>	<b>Nov 20</b>	<b>by 5:00 pm</b>	<b>Covers Cell Biology lectures C 17,20 (Hornsby)</b>
<b>Take home exam due</b>		<b>W</b>	<b>Nov 25</b>	<b>by 5:00 pm</b>	<b>Covers Cell Biology C 26,27 (Vogel)</b>

# PHYSIOLOGY MODULE

Director: Glenn Toney and Rochelle (Shelley) Buffenstein

	Lecturer	Day	Date	Time	Lecture Topic
P 1	Buffenstein	Tu	Oct 27	9:45-10:45	Overview: Energy balance in health and disease: How many watts are needed in daily human life? (Seems we are not as bright as we first believed)
P 2	Buffenstein	W	Oct 28	8:30-9:30	Appetite can be hard to control. Hormonal drive to survive.
P3	Buffenstein	W	Oct 28	9:45-10:45	Energy expenditure – basal metabolism, thermoregulation and exercise
P 4	Hornsby	Th	Oct 29	8:30-9:30	Positive Energy Balance – Lecture 1. Storage and growth
P 5	Hornsby	Th	Oct 29	9:45-10:45	Positive Energy Balance – Lecture 2. Obesity, health, and disease
P 6	Nelson	F	Oct 30	8:30-9:30	Negative Energy Balance – Pros and cons of dietary restriction
P 7	Nelson	F	Oct 30	9:45-10:45	Changes in energy balance with age
<b>Review</b>		<b>M</b>	<b>Nov 2</b>	<b>9:00-9:30</b>	<b>Covers Cell Biology C1-6,11 and Physiology P1-7</b>
<b>Exam 5</b>		<b>Tu</b>	<b>Nov 3</b>	<b>8:00-11:45</b>	
P 8	Toney	W	Nov 18	8:30-9:30	Introduction to physiology and disease mechanisms
P 9	Toney	W	Nov 18	9:45-10:45	Cardiovascular physiology
P 10	Toney	Th	Nov 19	8:30-9:30	Generation and reflex control of autonomic activity
P 11	Stockand	Th	Nov 19	9:45-10:45	Renal physiology: Hemodynamics and GFR
P 12	Stockand	F	Nov 20	8:30-9:30	Renal physiology: Electrolyte handling
P 13	Toney	F	Nov 20	9:45-10:45	Hypertension: Consensus and Controversy
P 14	Shapiro	M	Nov 30	8:30-9:30	Resting membrane potential
P 15	Shapiro	M	Nov 30	9:45-10:45	Ion channels
P 16	Macleod	Tu	Dec 1	8:30-9:30	Synaptic transmission
P 17	Macleod	Tu	Dec 1	9:45-10:45	Neurotransmitter release
P 18	Macleod	W	Dec 2	8:30-9:30	The impact of neurotransmitters
P 19	Eaton	W	Dec 2	9:45-10:45	Muscle Function-Excitation/Contraction Coupling
P 20	Eaton	Th	Dec 3	8:30-9:30	Synaptic Development & Plasticity
<b>Review</b>		<b>M</b>	<b>Dec 7</b>	<b>8:30-9:30</b>	<b>Covers Physiology P8-20</b>
<b>Exam 7</b>		<b>Tu</b>	<b>Dec 8</b>	<b>8:00-11:45</b>	
P 21	McManus/Pink	Th	Dec 17	8:30 – 10:45	Pathology in action ( <b>mandatory attendance</b> )

## MICROBIOLOGY AND IMMUNOLOGY MODULE

Director: Mike Berton

	Lecturer	Day	Date	Time	Lecture Topic
MI 1	Dube	M	Nov 23	8:30-9:30	Host-Pathogen interactions and immune evasion in human disease
MI 2	Zhong	M	Nov 23	9:45-10:45	Innate Immunity I
MI 3	Berton	Tu	Nov 24	8:30-9:30	Humoral immunity I
MI 4	Berton	Tu	Nov 24	9:45-10:45	Humoral immunity II
MI 5	Krolick	W	Dec 3	8:30-9:30	Cell-mediated immunity I
MI 6	Krolick	W	Dec 3	9:45-10:45	Cell-mediated immunity II
E	Kraig/Berton	Th	Dec 3	9:45-10:45	Enrichment-Antibody uses in the lab
MI 7	Kraig/Infante	F	Dec 4	8:30-9:30	Immunopathology I-myasthenia gravis
MI 8	Kraig/Infante	F	Dec 4	9:45-10:45	Immunopathology II-myasthenia gravis
MI 9	Dube	W	Dec 9	8:30-9:30	The microbial world
MI 10	Dube	W	Dec 9	9:45-10:45	Mechanisms of Immune evasion I-bacterial infections
MI 11	Dube	Th	Dec 10	8:30-9:30	Mechanisms of Immune evasion II-bacterial infections
MI 12	Xiang	Th	Dec 10	9:45-10:45	Mechanisms of Immune evasion III-viral infections
MI 13	Bose	F	Dec 11	8:30-9:30	Mechanisms of Immune evasion IV-viral infections
MI 14	Kadosh	F	Dec 11	9:45-10:45	Mechanisms of Immune evasion V-fungal infections
<b>Review</b>		<b>M</b>	<b>Dec 14</b>	<b>8:30-9:30</b>	<b>Covers Microbiology and Immunology lectures MI 1-14</b>
<b>Exam 8</b>		<b>Tu</b>	<b>Dec 15</b>	<b>8:30-11:45</b>	