

**2008
Clinical Microanatomy
BMS 6110
Course Schedule**

Color codes for course activities:

Microanatomy Lectures

Team-based learning: Laboratory Sessions

Small group sessions

Molecular Medicine lectures

Lecture review/Student presentations and quizzes

Examination Tutorials

Examinations

Week 1: Histological Methods and Cell Biology

Hour	Monday 8-25	Tuesday 8-26	Wednesday 8-27	Thursday 8-28	Friday 8-29
2:45-4 PM	Course Overview Expectations of Professionalism Cell Structure and Function: Cell cytoplasm	Cell Structure and Function: Cell nucleus	Cell Signalling and Cell Death	Discussion of TBL process, electronic resources, histological techniques and microscopy	Nancy Clark <u>PowerPoint Tutorial</u> Week in Review: Quiz # 1
4-5 PM			Small Group: Case # 1		

Week 2: Epithelial and Connective Tissue

Hour	Monday 9-1	Tuesday 9-2	Wednesday 9-3	Thursday 9-4	Friday 9-5
2:45-4 PM	Labor Day	Cell Structure and Function: Epithelial Tissue	Cell Structure and Function: Connective Tissue	TBL #1: Histology of Epithelial and Connective Tissue	Molecular Medicine: Blotting Techniques for clinical diagnosis
4-5 PM					

Week 3: Bone

Hour	Monday 9-8	Tuesday 9-9	Wednesday 9-10	Thursday 9-11	Friday 9-12
2:45-4 PM	Cell Structure and Function: Bone and Cartilage I	Cell Structure and Function: Bone and Cartilage II	Cell structure and Function: Joints	TBL #2: Histology of Bone and Cartilage	Lecture review/Student presentations and Quiz # 2
4-5 PM			Small Group: Case # 2		

Week 4: Blood

Hour	Monday 9-15	Tuesday 9-16	Wednesday 9-17	Thursday 9-18	Friday 9-19
2:45-4 PM	Cell Structure and Function: Blood Cell Types	Cell Structure and Function: Blood Cell mechanisms of action	Cell Structure and Function: Hematopoiesis and Clinical correlates	Examination #1: Tutorial with Test-style questions (Optional)	Examination # 1
4-5 PM			TBL #3: Histology of Blood cells		

Week 5: Muscle

Hour	Monday 9-22	Tuesday 9-23	Wednesday 9-24	Thursday 9-25	Friday 9-26
2:45-4 PM	Cell Structure and Function: Skeletal Muscle I	Cellular Structure and Function: Skeletal Muscle II	Cell Structure and Function: Cardiac and Smooth Muscle	TBL #4: Histology of Muscle	Lecture review/Student presentations and Quiz #3
4-5 PM			Small group: Case #3		

Week 6: Cardiovascular System

Hour	Monday 9-29	Tuesday 9-30	Wednesday 10-1	Thursday 10-2	Friday 10-3
2:45-4 PM	Cell Structure and Function: Heart	Cell Structure and Function: Vasculature	Cellular Mechanisms of Disease: Cardiovascular System	TBL #5: Histology of Cardiovascular System	Molecular Medicine: High throughput Technology
4-5 PM					

Week 7: Special Senses

Hour	Monday 10-6	Tuesday 10-7	Wednesday 10-8	Thursday 10-9	Friday 10-10
2:45-4PM	Cell Structure and Function: Visual System	Cell Structure and Function: Auditory System	Cell Structure and Function: Olfactory System	TBL #6: Histology of the Special Senses	Lecture review/Student presentations and Quiz # 4
4-5 PM			Small Group: Case # 4		

Week 8: Nervous System

Hour	Monday 10-13	Tuesday 10-14	Wednesday 10-15	Thursday 10-16	Friday 10-17
2:45-4 PM	Cell Structure and Function: Nervous System I <i>Alston</i>	Cell Structure and Function: Nervous System II <i>Alston</i>	Cell structure and Function: Nervous System III <i>Alston</i>	Examination #2: Tutorial with Test-style questions (Optional)	Examination # 2
4-5 PM			TBL #7: Histology of the Nervous System		

Week 9: Digestive System

Hour	Monday 10-20	Tuesday 10-21	Wednesday 10-22	Thursday 10-23	Friday 10-24
2:45-4 PM	Cell Structure and Function: Upper GI Tract	Cell Structure and Function: Lower GI Tract	Cell Structure and Function: Liver and Pancreas	TBL #8: Histology of Digestive System	Lecture review/Student presentations and <u>Quiz #5</u>
4-5 PM			Small Group: Case # 5		

Week 10: Respiratory System

Hour	Monday 10-27	Tuesday 10-28	Wednesday 10-29	Thursday 10-30	Friday 10-31
2:45-4 PM	Cell Structure and Function: Upper Respiratory System	Cell Structure and Function: Lower Respiratory System	Cellular Mechanisms of Disease: Respiratory System	TBL #9: Histology of the Respiratory System	Molecular Medicine: Gene Therapy
4-5 PM			Small Group: Case #6		

Week 11: Urinary System

Hour	Monday 11-3	Tuesday 11-4	Wednesday 11-5	Thursday 11-6	Friday 11-7
2:45-3:30 PM	Cell Structure and Function: Kidney I	Cell Structure and Function: Kidney II	Cell Structure and Function: Lower Urinary Tract	TBL #10: Histology of Urinary System	Lecture review/Student presentations and Quiz # 6
3:45-5 PM			Small Group: Case #7		

Week 12: Endocrine System

Hour	Monday 11-10	Tuesday 11-11	Wednesday 11-12	Thursday 11-13	Friday 11-14
2:45-4 PM	Veteran's Day No Class	Cell Structure and Function: Endocrine System I	Cell Structure and Function: Endocrine System II	Examination #3 Tutorial with questions (Optional)	Examination # 3
4-5 PM		TBL #11: Histology of Endocrine System	Small Group: Case #8		

Week 13: Reproductive System

Hour	Monday 11-17	Tuesday 11-18	Wednesday 11-19	Thursday 11-20	Friday 11-21
2:45-4 PM	Cell Structure and Function: Male Reproductive System	Cell Structure and Function: Female Reproductive System I	Clinical correlates in the Reproductive System (10:15-11:30)	Cell Structure and Function: Lymphatic System	Lecture review/Student presentations and <u>Quiz # 7</u>
4-5 PM			Small Group: Case # 9	TBL #12: Histology of Reproductive System	

Week 14: Lymphatic and Integumentary System

Hour	Monday 11-24	Tuesday 11-25	Wednesday 11-26	Thursday 11-27	Friday 11-28
2:45-4 PM	Immunology/Skin	Ethics in Stem Cell Research (Medical Humanities)	Lecture review/ <u>Quiz # 7</u> (10:15-11:30)	Thanksgiving Holiday	Thanksgiving Holiday
4-5 PM	Small Group: Case #10	2:45-3:45 TBL #13: Histology Lymphatic and Integumentary System			

Week 15: Final Examinations

Hour	Monday 12-1	Tuesday 12-2	Wednesday 12-3	Thursday 12-4	Friday 12-5
8:15-11:00	<i>No Class</i>	<i>No Class</i>	<i>No Class</i>	Examination #4	NBME