THE HUMAN BODY: ANATOMY, EMBRYOLOGY, IMAGING (2013)

All lectures in Moore Auditorium: 8:30-9:30am (unless otherwise noted)
All Dissections in Terry Dissection Suite: 9:30-12:00am
Dissection: pages refer to Grant's Dissector (Tank), 15th ed.
Please Note: there are no lecture handouts in the Syllabus for Clinical Lectures
Required Texts: Essential Clinical Anatomy (Moore, Agur, Dalley)
Langman’s Medical Embryology (Sadler)
Grants Dissector (Tank)

Week 1:
Weekly Dissector pages:
Read Only: Introduction (pp. 1-4); skeleton of the Back (pp. 5-7), Vertebral Canal, Spinal Cord, and Meninges (pp. 15-19).
Dissection p. 22 (steps 1-11 only); Pectoral Region (pp. 26-30); Thoracic Wall, Pleural Cavities (pp. 63-69)
Mon: 8/26 8:30-9:30 Introduction to Course (Conroy)
  9:30-12:00 Dissection
Wed: 8/28 8:30-9:30 Organization of the Peripheral Nervous System (Conroy)
  9:30-12:00 Dissection
Fri: 8/30 8:30-9:30 Thoracic Wall, Pleura, Lungs (Conroy)
  9:30-12:00 Dissection (faculty will demo prosected spinal cord)

Week 2
Weekly Dissector pages: Lungs (pp. 69-72), Mediastinum (pp. 72-76), Heart (pp. 76-82)
Mon: 9/2 Labor Day (no class)
Wed: 9/4 8:30-9:30 Heart & Mediastinum (Conroy)
  9:30-12:00 Dissection
Fri: 9/6 8:30-9:30 Embryology: Heart and Great Vessels (Phillips)
  9:30-12:00 Dissection

Week 3
Weekly Dissector pages: Superior and Posterior Mediastinum (pp. 82-87); Abdominal Wall, (pp. 89-98)
Mon 9/9 8:30-9:30 Clinical Lecture: Cardiothoracic Surgery (Crabtree)
  9:30-12:00 Dissection
Wed: 9/11 8:30-9:30 Abdominal Wall, Inguinal region (Dikranian)
  9:30-12:00 Dissection
Fri: 9/13 8:30-9:30 Organization of GI tract (Dikranian)
  9:30-12:00 Dissection
Week 4
Weekly Dissector pages: Peritoneum and Peritoneal Cavity (pp. 99-102); Celiac Trunk, Stomach, Spleen, Liver, and Gallbladder (pp. 102-107); Superior Mesenteric Artery and Small Intestine (pp. 107-110); Inferior Mesenteric Artery and Large Intestine (pp. 110-112); Duodenum, Pancreas, and Hepatic Portal Vein (pp. 112-114)

Mon: 9/16 8:30-9:30 Organization of GI tract; Abdominal Organs (Cheverud)
       9:30-12:00 Dissection
Wed: 9/18 8:30-9:30 Embryology: Digestive System (Cheverud)
       9:30-12:00 Dissection
Fri: 9/20 8:30-9:30 Embryogenesis (Cheverud)
       9:30-12:00 Dissection

Week 5
Weekly Dissector pages: Removal of the Gastrointestinal Tract (114-116); Posterior Abdominal Viscera (pp. 116-120); Posterior Abdominal Wall (pp. 121-123); Diaphragm (pp. 123-124)

Mon: 9/23 8:30-9:30 Embryology: Body wall and Celom (Cheverud)
       9:30-12:00 Dissection
Wed: 9/25 8:30-9:30 Clinical Lecture: Pediatric Surgery (Keller)
       9:30-12:00 Dissection
Fri: 9/27 8:30-9:30 Radiology Review
       9:30-12:00 Practice Exam

Week 6
Mon: 9/30 8:00-12:00am: FIRST ANATOMY EXAM

Weekly Dissector pages: Skeleton of the Pelvis, Anal Triangle (pp. 125-129)
Male Cadaver: Male External Genitalia and Perineum (pp. 129-131)
Read Only (Male Urogenital Triangle) (pp. 132-137)
Female Cadaver: Female External Genitalia and Perineum (pp. 147-148);
Read Only (Female Urogenital Triangle) (pp. 148-152)
(faculty will demonstrate prosected urogenital triangle specimens)

Wed: 10/2 8:30-9:30 Anatomy of Pelvis & Perineum (Phillips)
       9:30-12:00 Dissection
Fri: 10/4 8:30-9:30 Anatomy of Pelvis & Perineum, contd. (Phillips)
       9:30-12:00 Dissection
Week 7
Weekly Dissector pages:
**Male Cadaver:** Male Pelvic Cavity (pp. 137-140); Urinary Bladder, Rectum and Anal Canal (pp. 140-142); Internal Iliac Artery and Sacral Plexus (pp. 143-145); Pelvic Diaphragm (pp. 145-147)
**Female Cadaver:** Female Pelvic Cavity (pp. 152-156); Urinary Bladder, Rectum and Anal Canal (pp. 156-159); Internal Iliac Artery and Sacral Plexus (pp. 159-161); Pelvic Diaphragm (pp. 161-163)

Mon: 10/7 8:30-9:30) Embryology: Urogenital & Reproductive System (Phillips)  
9:30-12:00 Dissection
Wed: 10/9 8:30-9:30 Clinical Lecture: Obstetrics and Gynecology (Parks)  
9:30-12:00 Dissection
Fri: 10/11 8:30—9:30 Clinical Lecture: Urology: (Bullock)  
9:30-12:00 Dissection

Week 8
Exam Week (no classes)

Week 9: Note to students: There are 9 lab sessions (weeks 9-11) devoted to upper and lower limbs. One student dissection pair should dissect one upper limb and the other dissection pair one lower limb (use the disarticulated lower limb). Student pairs working on the upper limb must teach the upper limb to those working on the lower limb, and vice versa.

Weekly Dissector pages:
**Upper Limb:** Skin and Superficial Back Muscles (pp. 8-12); Surface Anatomy, Superficial Veins and Cutaneous Nerves (pp. 21-24) Scapular Region (pp. 24-26); Axilla (pp. 30-34)  
**Lower Limb:** Surface Anatomy, Superficial Veins and Cutaneous Nerves (pp. 165-169); Anterior Compartment of the thigh (pp. 169-175)

Mon: 10/21 8:30-9:30) Brachial plexus and Upper Limb Compartments (Phillips)  
9:30-12:00 Dissection
Wed: 10/23 8:30-9:30) Lumbosacral plexus and Lower Limb Compartments (Phillips)  
9:30-12:00 Dissection
Fri: 10/25 8:30-9:30) Embryology: Limbs (Cheverud)  
9:30-12:00 Dissection

Week 10
Weekly Dissector pages:
**Upper Limb:** Arm and Cubital Fossa (pp. 34-39); Flexor Region of the Forearm (pp. 40-47)  
**Lower Limb:** Medical Compartment of the Thigh (175-176); Gluteal Region (pp. 176-180); Posterior Compartment of the Thigh and Popliteal Fossa (181-184)

Mon: 10/ 28 8:30-9:30) Joints & Biomechanics (Cheverud)  
9:30-12:00 Dissection
Wed: 10/30 8:30-9:30) Human Locomotion (Cheverud)  
9:30-12:00 Dissection
Fri: 11/1 8:30-9:30) Clinical Lecture: Orthopedic Surgery (Gelberman)
9:30-12:00 Dissection

**Week 11**

**Weekly Dissector pages:**

**Upper Limb:** Palm of the Hand (pp. 46-52); Extensor Region of the Forearm and Dorsum of the Hand (pp. 53-55); (dissection of upper limb joints optional)

**Lower Limb:** Leg and Dorsum of the Foot (pp. 184-185); Posterior and Lateral Compartments of the Leg (pp. 185-190); Sole of the Foot (pp. 193-198); knee joint (p. 200) (dissection of other lower limb joints optional)

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**Mon:** 11/4  8:30-9:30 Clinical Lecture: Peripheral Nerve Surgery (MacKinnon)

9:30-12:00 Dissection

**Wed:** 11/6  8:30-9:30 Limbs: Clinical Correlations (Conroy)

9:30-12:00 Dissection

**Fri:** 11/8  8:30-9:30 Clinical Lecture: Patient Presentations (Hatlelid)

9:30-12:00 Review and Practice Exam

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**Week 12:**

**Mon:** 11/11  8:00-12:00am: **SECOND ANATOMY EXAM**

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**Weekly Dissector pages:** Organization of the Neck (pp. 205-209); Anterior Triangle of the Neck (pp. 209-214); Thyroid and Parathyroid Glands (pp. 215-216); Root of the Neck (pp. 216-218)

**Wed:** 11/13  8:30-9:30 Neck Region (Dikranian)

9:30-12:00 Dissection

**Fri:** 11/15  8:30-9:30 Principles of Head & Neck Innervation (Phillips)

9:30-12:00 Dissection

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**Week 13**

**Weekly Dissector pages:** Head (pp. 218-220); Face (pp. 221-226); Parotid Region (pp. 226-228); Temporal Region (pp. 230-235)

(Read Only) Scalp (pp. 228-229)

**Mon:** 11/18  8:30-9:30 Embryology: Pharyngeal Arches (Price)

9:30-12:00 Dissection

**Wed:** 11/20  8:30-9:30 Cerebral Vasculature, Meninges (Dikranian)

9:30-12:00 Dissection

**Fri:** 11/22  8:30-9:30 Autonomic Innervation of the Head & Neck (Phillips)

9:30-12:00 Dissection
**Week 14**

**Weekly Dissector pages:** Interior of Skull and Removal of Brain (pp. 235-238); Dural Infoldings and Dural Venous Sinuses (pp. 239-240); Gross Anatomy of the Brain and Cranial Fossae (240-245); Orbit (pp. 245-252)

Faculty will help with removal of calvaria, occipital wedge, and brain.

Mon: 11/25 8:30-9:30 Eye and Orbit (Price)
      9:30-12:00 Dissection

Wed: 11/27 8:30-9:30 Clinical Lecture: Ophthalmology (Smith)
       9:30-12:00 Dissection

Fri: 11/29 Thanksgiving (no class)

**Week 15**

**Weekly Dissector pages:** Disarticulation of the Head and Pharynx (pp. 252-257); Nose and Nasal Cavity (pp. 259-263); Hard Palate and Soft Palate (pp. 263-267)

Mon: 12/2 8:30-9:30 Oro-nasal cavities, air sinuses, middle ear (Price)
      9:30-12:00 Dissection

Wed: 12/4 8:30-9:30 Larynx and Pharynx (Conroy)
       9:30-12:00 Dissection

Fri: 12/6 8:30-9:30 Clinical Lecture: Neurosurgery (Dacey)
       9:30-12:00 Dissection

**Week 16**

**Weekly Dissector pages:** Oral Region (pp. 268-271); Larynx (pp. 271-274)
(dissection of ear is optional)

Mon: 12/9 8:30-9:30 Clinical problems; review (Conroy)
      9:30-12:00 Dissection

Wed: 12/11 8:30-9:30 Clinical Lecture: Head & Neck Surgery (Haughey)
       9:30-12:00 Review and Practice Exam

Fri: 12/13 8:00-12:00am: **THIRD ANATOMY EXAM**