**Syllabus – Spring 2016**

**Instructor:**
Dr. John Cossel Jr.

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**Course Title:** BIOL3930 Cadaver Dissection II

**Course Description:** Catalog excerpt - A directed dissection of human cadavers using a systems approach focusing on endocrine, cardiovascular, respiratory, digestive, urinary and reproductive system anatomy.

Teams will dissect under the direction of the professor for a minimum of 2 hours per week (normally 2-3+ hrs./week). Additional time may be required for instrument clean up, quiz preparation and to finish locating target structures. You will be held accountable for the structures located and dissected via practical quizzes. The following is a list of many of the structures for which you will be responsible, however others may be added!!! (Please note that this list is likely not all inclusive). In addition to dissecting and locating structures you will also need to know the basic function of these structures. This will be covered during group dissection time, and will be assessed during the regular quizzes. In lieu of a final exam, ~10% of each quiz will be structures from previous dissections (i.e. each quiz is cumulative) AND you will have a final dissection project. You may have a partner for your dissection project (no more than 2 people per team). Upon approval of your planned project, you will dissect an organ, region or system beyond classroom dissection. You will be expected to give a power point presentation to the class that will also include pointing out a minimum of 20 structures, and providing a brief discussion of the functional anatomy. In addition to quiz grades, you will also receive a participation/performance grade based on your attendance and dissection performance. The approximate distribution of your grade points is 80% quizzes, 10% participation/performance and 10% project.

**Credits:** 1 credit

**Meeting time:** Wed. 3:20 – 5:20 and on your own as necessary


**Absence policy:** Quizzes/work missed because of unapproved absences cannot be made up (must communicate before, or “day of” absence to possibly be “approved”).

**NNU Syllabus Addendum:** See Canvas Course Page for Official

**Systems/Organs to be located and identified:**

**Endocrine:**

- Adenohypophysis
- Hypothalamus
- Pineal gland
- Adrenal cortex
- Infundibulum
- Pituitary
- Adrenal gland
- Neurohypophysis
- Posterior pituitary
- Adrenal medulla
- Ovaries
- Testes
- Anterior pituitary
- Pancreas
- Thymus
- Gonads
- Parathyroid gland
- Thyroid gland
Cardiovascular:
Abdominal aorta
Anterior tibial (R&L)
Aorta
Aortic arch
Ascending aorta
Atria (R&L)
Axillary artery (R&L)
Axillary vein (R&L)
Base & apex of heart
Basilic vein (R&L)
Bicuspid valve (L A-V valve)
Brachial artery (R&L)
Brachiocephalic (R&L)
Brachiocephalic artery
Cardiac vessels (coronary etc.)
Cephalic vein (R&L)
Chordae tendinae
Common iliac artery (R&L)
Common iliac vein (R&L)
Coronary arteries
Coronary sinus
Descending aorta
Femoral (deep) artery (R&L)
Femoral vein (R&L)
Hepatic portal vein (R&L)
Internal jugular (R&L)
Interventricular septum
Left common carotid artery
Left subclavian artery
Median cubital vein (R&L)
Nasopharynx
Pharynx
Parietal pleura
Primary bronchii
Pulmonary trunk (arteries)
Pulmonary veins
Radial artery (R&L)
Right common carotid artery
Right subclavian artery
Saphenous vein (R&L)
Thoracic aorta
Tracheal cartilage
Trachea
Trachealis (posterior tracheal membrane)
True vocal cords
Ventralbronchii
Ventricles (R&L)

Respiratory:
Alveolar ducts
Alveoli/alevolar sacs
Apex
Base
Bronchioles
Carina
Cricoid cartilage
Diaphragm
Epiglottis
Eustachian tubes
External nare
Hilum
Internal nare
Larynx
Lobes
Lungs (R & L)
Nasal cavity
Nasal conchae
Parietal pleura
Pharynx
Primary bronchii
Respiratory epithelium
Root
Secondary bronchii
Thyroid cartilage
Trachea
Tracheal cartilage
Trachealis (posterior tracheal membrane)
True vocal cords
Ventralbronchii

Digestive:
Anus
Appendix
Ascending colon
Canines
Cardiac sphincter
Common bile duct
Common hepatic duct
Cystic duct
Descending colon
Duodenum
Esophagus
Gall bladder
Hard palate
Hepatic portal vein
Hilum
Hepatopancreatic ampulla
Ileocecal valve
Ileum
Incisor
Jejunum
Liver
Mesenteries
Molars
Nasopharynx
Oral cavity proper
Oropharynx
Pancreas
Parotid duct
Parotid gland
Premolars
Pyloric sphincter
Rectum
Right/left lobes
Sigmoid colon
Soft palate
Stomach
Submandibular gland
Transverse colon
Vestibule

Urinary:
Hilum
Interlobar arteries/veins
Kidney
Major/minor calyces
Renal artery
Renal capsule
Renal column
Renal cortex
Renal fat pad (perirenal fat)
Renal medulla
Renal papilla
Renal pelvis
Renal pyramids
Renal vein
Ureters
Urethra
Urinary bladder
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<th>Reproductive:</th>
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<tr>
<td>Anal triangle</td>
<td>Inguinal canal</td>
<td>Semeniferous tubules</td>
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<td>Areola</td>
<td>Labia majora</td>
<td>Seminal vesicles</td>
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<td>Breast</td>
<td>Labia minora</td>
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<td>Clitoris</td>
<td>Mammary glands</td>
<td>Testes</td>
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<td>Corpus cavernosum</td>
<td>Mons pubis</td>
<td>Tunica albuginea</td>
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<td>Corpus spongiosum</td>
<td>Myometrium</td>
<td>Umbilicus</td>
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<td>Endometrium</td>
<td>Nipple/Ovaries</td>
<td>Urethral meatus</td>
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<td>Epididymus</td>
<td>Penis</td>
<td>Urethral meatus</td>
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<td>Fallopian (uterine) tubes</td>
<td>Placenta</td>
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<td>Prepuce</td>
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<td>Fornix</td>
<td>Prostate gland</td>
<td>Vas deferens</td>
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<td>Genital triangle</td>
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<td>Hymen</td>
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