



# LECTURE/LAB SYLLABUS

Spring Semester 2018

READ THIS SCHEDULE AND KEEP IT; YOU ARE RESPONSIBLE FOR THE DATES, TIMES AND PLACES.

**Lecture:** M, W, H 2:00 to 3:30 AM, Room 140 James Talmadge Building (JTB)  
**Professor:** Mark Nielsen  
**Telephone:** (801) 581-3233  
**E-mail:** marknielsen@bioscience.utah.edu  
**Website:** courses.biology.utah.edu/nielsen  
**Office Hours:** Monday through Thursday 9:30 – 10:30 AM or by appointment at my office, Room 122 Building 044  
**TAs:** Garrett Clement, Brett Engar, Tosh Noskowski, Artemis Sefandonakis

## DATE

M January 8  
 W January 10  
 H January 11

M January 15  
 W January 17  
 H January 18  
 F January 19

M January 22  
 W January 24  
 H January 25

M January 29  
 W January 31  
 H February 1

M February 5  
 W February 7  
 H February 8

M February 12  
 W February 14  
 H February 15

M February 19  
 W February 21  
 H February 22

M February 26  
 W February 28  
 H March 1  
 F March 2

M March 5  
 W March 7  
 H March 8

## SUBJECT

Introduction to Course; Development of the Vertebrate Body Plan  
 Development and Structural Patterns and Related Anatomy  
 Structural Patterns and Related Anatomy

### MARTIN LUTHER KING DAY - NO LECTURE

Muscles of the Back and Head

**Lab:** Muscles - Epaxial, Hypaxial Trunk, Limb, Head

**(LAST DAY TO ADD CLASSES, DROP CLASSES, AND ELECT CREDIT/NO CREDIT)**

Skull Osteology

Ligaments of the Vertebral Axis; Meninges and Cerebrospinal Fluid

**Lab:** Skull, Ligaments, Meninges, Brain, and Spinal Cord

Anatomy of the Spinal Nerve; Anatomy of the Dorsal Rami

Anatomy of the Autonomic Nerves

**Lab and Discussion:** Spinal Nerves/Dorsal Rami/Autonomic Nerves/Problem Set 1

Anatomy of Autonomic Nerves (cont.); Anatomy of the Mediastinum

Cervical Plexus

**Lab and Discussion:** Cervical Plexus/Skull Practical Exam/Problem Set 2

Brachial Plexus: Drawing, Distribution, and Relationships to Limb Anatomy

Intercostal Nerves

**Lab and Discussion:** Brachial Plexus/Problem Set 3

### PRESIDENTS DAY - NO LECTURE

### FIRST MIDTERM EXAMINATION IN JTB 140

Lumbar Plexus; Lower Abdominal Body Wall Anatomy

Sacral Plexus; Exams Returned and Discussed

Lumbosacral Distribution in the Limb

**Lab and Discussion:** Lumbosacral Plexus/Problem Set 4

**(LAST DAY TO WITHDRAW FROM CLASSES)**

Vascular Supply to the Head and Neck - Arteries

Vascular drainage from the Head and Neck - Veins

**Lab and Discussion:** Head Arteries/Midterm Pract Exam/Problem Set 5

M March 12	Introduction to Cranial Nerves; Brain Stem Anatomy
W March 14	Special Sensory Cranial Nerves
H March 15	Somitic Cranial Nerves
M March 19	<b>SPRING BREAK - NO LECTURE</b>
W March 21	<b>SPRING BREAK - NO LECTURE</b>
H March 22	<b>SPRING BREAK - NO LAB</b>
M March 26	Branchial Arch Nerves; Trigeminal Nerve
W March 28	Trigeminal Nerve (cont.)
H March 29	<b>Lab and Discussion:</b> Sens & Somit Cran Nerves/Head Veins/Problem Set 6
M April 2	Facial Nerve
W April 4	Facial Nerve; Regional Anatomy of the Head
H April 5	<b>Lab and Discussion:</b> Cranial Nerves V and VII/Problem Set 7
M April 9	Cranial Nerves IX, X, XI
W April 11	<b>SECOND MIDTERM EXAMINATION IN JTB 140</b>
H April 12	Cranial Nerve Topography - The Cranial Plexus
M April 16	Central Connections - Introduction; Exams Returned and Discussed
W April 18	Central Connections - Sensory Pathways
H April 19	<b>Lab and Discussion:</b> Cranial Nerves IX, X, XI/Review/Problem Set 8
F April 20	<b>LAST DAY TO REVERSE CREDIT/NO CREDIT OPTION</b>
M April 23	Central Connections - Motor Pathways; Central Connections and Somatotopy
W April 25	Reading Day
H April 26	<b>FINAL PRACTICAL EXAMINATION</b>
T May 1	<b>FINAL COMPREHENSIVE EXAMINATION 1:00 PM IN JTB 140</b>
F May 4	Pick up final exams and obtain course grade at the anatomy lab from 4:30 - 6:00 PM