

**University of Florida**  
**College of Public Health and Health Professions**  
**Department of Occupational Therapy**

**OTH 6423 Clinical Musculoskeletal Anatomy (5 credit hours)**  
**Spring 2021**

Delivery Format: Online (lecture) and On-Campus (lab)

**Lecture:** Tuesdays 12:50-2:45 and Thursday 12:50 – 1:40 on Zoom

**Lab:** Wednesdays 9:35-11:30 (lab 1) and 11:45-1:40 (lab2) in **CG-07**

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**Course Instructor:** Orit Shechtman, Ph.D., OTR/L  
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Office Hours: Wednesdays 3:00 – 4:30, or by appointment

**Lab Instructors:** Lindsey Telg ([ltelg@phhp.ufl.edu](mailto:ltelg@phhp.ufl.edu)) and Taylor Smith  
Office: HPNP 2171  
Office hours: Wednesdays 12:15-1:15

Preferred Method of Communication is email.

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**Prerequisites:** anatomy and physiology, Co-requisites: OTH 6242

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## **PURPOSE AND OUTCOME**

### **Course Overview:**

This course provides students with lecture and laboratory study of human musculoskeletal anatomy. The emphasis is on functional understanding of common injuries and conditions related to bones, muscles, and peripheral nerves. The lab portion of this course provides students with study of musculoskeletal structures of prosected human cadaver specimen (bones, muscles, and nerves), for a hands-on experience aimed to enhance lecture material. The course is designed for occupational therapy (OT) doctoral students with focus on clinical conditions most pertinent to OT.

### **Relation to Program Outcomes:**

This course is one of the basic science courses taught in the first year of the OTD program. The knowledge gained in this course is necessary for subsequent courses addressing clinical assessment and treatment across the lifespan.

### **Course Objectives and/or Goals**

This course partially meets one of the Education Standards for the American Council for the Accreditation of OT Education (ACOTE). The student will:

- B.1.4 Demonstrate knowledge and understanding of the structure and function of the human body to include the biological and physical sciences. Course content must include, but is not limited to, biology, anatomy, physiology, neuroscience, and kinesiology or biomechanics.

More specifically, at the conclusion of this course, the student will be able to perform the following:

1. Apply anatomical terminology to positions, movements, and planes of movement.
2. Combine your knowledge of bones of the human body, their names and landmarks, as well as structure and type, to deduce their function.
3. Compare and contrast the types of joints in the human body and imply their general functional characteristics based on their anatomical structure.
4. Determine the structure and function of specific joints and their associated disks, ligaments, bursae and cartilage.
5. Deduce possible mechanisms of joint injury based on the mechanical characteristics of specific joints.

6. Develop schemas for muscles in the upper extremity, lower extremity, neck, trunk, and face based on their function as agonists, synergists and antagonists.
7. Demonstrate the action of each muscle based on knowledge of its origin and insertion, the joints it crosses, and the direction of its fibers.
8. Trace and identify specific arteries and veins supplying the upper and lower extremities.
9. Relate the structure, basic organization, and spinal segments of peripheral nerves and nerve plexuses to motor innervation of skeletal muscles and sensory innervation of dermatomes.
10. Integrate your knowledge of cutaneous and motor innervation to infer sensation and movement deficits characteristic of specific nerve injuries to assess the resulting dysfunction.
11. Justify differential diagnosis of specific injuries based on synthesizing the location of injury and movement deficits with symptoms of tendon and muscle damage versus nerve lesions.

### Instructional Methods

The students will participate in lecture and laboratory study of specimen & models. Some material will be delivered using blended learning.

### Blended Learning

*What is blended learning and why is it important?*

A Blended Learning class uses a mixture of technology and face-to-face instruction to help you maximize your learning. Knowledge content that, as the instructor, I would have traditionally presented during a live class lecture is instead provided online before the live class takes place. This lets me focus my face-to-face teaching on course activities designed to help you strengthen higher order thinking skills such as critical thinking, problem solving, and collaboration. Competency in these skills is critical for today's health professional.

*What is expected of you?*

You are expected to actively engage in the course throughout the semester. You must come to class prepared by completing all out-of-class assignments. This preparation gives you the knowledge or practice needed to engage in higher levels of learning during the live class sessions. If you are not prepared for the face-to-face sessions, you may struggle to keep pace with the activities occurring in the live sessions, and it is unlikely that you will reach the higher learning goals of the course. Similarly, you are expected to actively participate in the live class. Your participation fosters a rich course experience for you and your peers that facilitates overall mastery of the course objectives.

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## DESCRIPTION OF COURSE CONTENT

**Topical Outline/Course Schedule:** see the detailed schedule information at the end of this document!

| Week | Date(s)  | Topic(s)  |
|------|----------|---|
| 1    | 1/12-14  | Introduction and basic information  |
| 2    | 1/19-21  | Osteology and Joints  |
| 3    | 1/26-28  | Pectoral and superficial back muscles                                     |
| 4    | 2/2-4    | Shoulder region and brachial plexus                                       |
| 5    | 2/9-11   | Joints of the back and vertebral column; Upper arm muscles                |
| 6    | 2/16-18  | Muscles of the forearm; <b>EXAM 1 (Lecture and Lab)</b>                   |
| 7    | 2/23-25  | Intrinsic hand  |
| 8    | 3/2-4    | Innervation and blood supply of the upper extremity                       |
| 9    | 3/9-11   | Thoracic and abdominal muscles, LE osteology and gluteal muscles          |
| 10   | 3/16-18  | Joints: pelvis, hip, knee   |
| 11   | 3/23-25  | Muscles of the thigh and leg; <b>EXAM 2 (Lecture and Lab)</b>             |
| 12   | 3/30-4/1 | Intrinsic foot, joints of the leg and foot                                |
| 13   | 4/6-8    | Innervation and blood supply of the lower extremity; muscles of deep back |
| 14   | 4/13-15  | Muscles of the neck, cervical plexus, osteology of the skull              |
| 15   | 4/20-21  | Muscles of the eye, facial expression, mastication, deglutition and TMJ   |
| 16   | 4/27-28  | <b>EXAM 3 (Lecture and Lab)</b>   |

**See detailed schedule and reading assignments at the end of this document!**

## Course Materials and Technology

Class notes are posted on Canvas and are accessed via the E-learning Website: <http://elearning.ufl.edu/>

### Required Course Materials & Textbooks:

1. Required reading materials will be posted on E-learning for every class (noted as S in the syllabus). E-Learning Website: <http://elearning.ufl.edu/>
2. Lab manual will be posted online.
3. Sieg KW & Adams SP: Illustrated Essentials of Musculoskeletal Anatomy (Latest Edition). Gainesville, FL: Megabooks (noted as S&A in the syllabus).
4. Anatomy Atlas (any atlas or see recommended list).
5. TopHat classroom response system will be used in class. You must have access to it. URL: <http://app.tophat.com/>. The 6-digit course code is 401435.

### Recommended / Optional:

1. Moore, K.L, & Agur, A.M.R.: Essential Clinical Anatomy (Latest Edition). Philadelphia, PA: Lippincott Williams & Wilkins.
2. Mosses, KP, Banks JC, Nava PB, Petersen, D. Atlas of Clinical Gross Anatomy (Latest Edition). Spain: Elsevier Mosby.
3. Netter, F. Atlas of Human Anatomy, (Latest Edition). Icon Learning System.
4. Drake R. et al. Gray's Atlas of Anatomy (Latest Edition). Philadelphia, PA: Churchill Livingstone Elsevier.
5. Jones, SA. Pocket Anatomy and Physiology. Philadelphia, PA: F.A Davis, Newest edition.

For technical support for this class, please contact the UF Help Desk at:

- <http://helpdesk.ufl.edu/>
- (352) 392-HELP (4357) - select option 2

## ACADEMIC REQUIREMENTS AND GRADING

### Assignments

The class grade is based on three types of assignments: quizzes, exams and professional behavior.

- **Quizzes:** there is a quiz before each lab and 2-4 online lecture quizzes for a total of 150 points. The lab quizzes vary from 10-20 points each. The types of questions include matching and multiple choice, but most questions are fill-in-the-blank. Points will be taken off for incorrect spelling!
- **Exams:** there are 3 exams, each is composed of a lecture exams and a lab exams given in the same week on the same material. The number of questions per exam and the point value of each exam are listed in the table below.
  - **Lecture Exams:** Multiple choice questions are used to assess critical thinking in relation to knowledge and skills learned in the course and are provided in the style used on the NBCOT Certification Exam (e.g., there may be more than one "right" answer, but the student must identify the "best" answer). The exams also include case studies with multiple questions pertaining to each case study. In addition, matching questions are used to identify structures in diagrams. The exams will be administered online using Honorlock. Before taking your first exam, please view this link [How to use Honorlock Student Video](#). The exams will take place **NOT** during class but rather on specific afternoons, beginning after 4:00 pm.
  - **Lab Exams:** there are three practical cadaver lab exams, each given in the same week as the lecture exam. The number of questions per exam and the point value of each exam are listed in the table below. Lab exams consist of multiple-choice questions in which bones, joints, muscles, and nerves are tagged. The students have one minute to answer the questions in each station before moving to the next station, plus 10 minutes at the end of the exam to go back to some stations. Scantrons are filled out at the end of the exam. Bone questions require identification of the name, side (R vs. L), or marking of the bone; joint questions require identification of the tagged structure; muscle questions require identification of the name, origin, insertion, action, or innervation of the tagged muscle; and nerve questions require identification of the name of the nerve, its spinal segment or the muscle it innervates.
- **Professional behavior points:** are based on both attendance and respectful behavior in lecture and lab. Attendance will be taken in each lab and occasional lecture. Missing a lab without prior arrangements results in five points off per missed lab. The student will also lose the lab quiz points.

## Grading

The grade is based on 1000 possible total points (all quizzes and exams) as reflected in the table below.

| Exam                  | Format        | # of questions | Points per question | Points per test | Percent of Grade |
|-----------------------|---------------|----------------|---------------------|-----------------|------------------|
| Exam 1                | Lecture       | 60             | 3                   | 180             | 18               |
|                       | Lab           | 30             | 2                   | 60              | 6                |
| Exam 2                | Lecture       | 60             | 3                   | 180             | 18               |
|                       | Lab           | 30             | 2                   | 60              | 6                |
| Exam 3 – Final        | Lecture       | 90             | 3                   | 270             | 27               |
|                       | Lab           | 40             | 2                   | 80              | 8                |
| Quizzes               | Lab & Lecture | Variable       | Variable            | 160             | 16               |
| Professional Behavior |               |                |                     | 10              | 1                |
| Total                 |               |                |                     | <b>1000</b>     | <b>100%</b>      |

**Point system used** (i.e., how do course points translate into letter grades).

|                      |          |         |         |         |         |         |         |         |         |         |       |
|----------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| <b>Points earned</b> | 930-1000 | 900-929 | 870-899 | 830-869 | 800-829 | 770-799 | 700-769 | 670-699 | 630-669 | 600-629 | 0-599 |
| <b>Percent Grade</b> | 93-100   | 90-92   | 87-89   | 83-86   | 80-82   | 77-79   | 70-76   | 67-69   | 63-66   | 60-62   | 0-59  |
| <b>Letter Grade</b>  | A        | A-      | B+      | B       | B-      | C+      | C       | D+      | D       | D-      | E     |

**Letter Grade:** letter grade to grade point conversions are fixed by UF and cannot be changed.

|                     |     |      |      |     |      |      |     |      |     |      |     |     |     |     |     |
|---------------------|-----|------|------|-----|------|------|-----|------|-----|------|-----|-----|-----|-----|-----|
| <b>Letter Grade</b> | A   | A-   | B+   | B   | B-   | C+   | C   | D+   | D   | D-   | E   | WF  | I   | NG  | S-U |
| <b>Grade Points</b> | 4.0 | 3.67 | 3.33 | 3.0 | 2.67 | 2.33 | 2.0 | 1.33 | 1.0 | 0.67 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

More information on UF grading policy may be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

## Exam Policy

Exams are administered on Canvas. You will be taking the exams on your own computer. You must pre-install Honorlock before taking the exam. Exams will take place on specified days beginning at 4:00 pm or later. Students who need accommodations for in-class exams must contact the Disability Resource Center and make arrangements prior to the exam.

Lab exams take place in the lab (CG-07). You must arrive on time for all exams. Students who need accommodations for in-class exams must contact the instructor to make arrangements prior to the exam.

## Policy Related to Make up Exams or Other Work

Any requests for make-ups due to an excused absence must be submitted to the instructor via email within 48 hours of missing an exam. The student will coordinate with the instructor to schedule a date, time, and place to make up the exam. Any work that is submitted late due to technical issues **MUST** be accompanied by the email received from the Help Desk when the problem was reported to them. The email will document the time and date of the problem. You **MUST** email the instructor within 24 hours of the technical difficulty if you wish to request a late submission without points deducted. See "Assignment Policies" below for more information about late assignments. Lab makeup exams are likely to be oral exams.

**Student Grade Issues:** If students have issues with a grade, they must submit their concerns in writing to the grading faculty member with documentation to support their position prior to meeting with that faculty member. Refer to the Grievance Policy in the OTD Student Manual.

### Policy Related to Required Class Attendance

Attendance to all exams and class activities is mandatory. All students will be held responsible for all material presented and discussed in class activities regardless of attendance. If possible, a student who must be late or absent to a class activity should notify the instructor prior to the scheduled time in order to schedule makeup activities. Some experiences cannot be made up. For students with an excused absence an alternative activity will be provided.

If possible, faculty should be informed of absences prior to the time of the scheduled activity (exam, site visit, assignment deadline, presentation), unless it is an illness or emergency.

- a) A student must notify the instructor via email prior to the anticipated absence if possible.
- b) See the “Policy Related to Make up Exams or Other Work” above related to missing exams.
- c) See the Attendance Policy in the OTD Student Manual for procedures on turning in the Absence Petition Form.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Excused absences must be consistent with university policies in the Graduate Catalog

(<http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance>). Additional information can be found here: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

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## STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

**Professional Behavior** is expected at all times, and can be defined as:

1. Students are expected to look on Canvas for announcements and get the notes prior to **each** class and to read the assigned readings prior to class.
2. Personal responsibility for prompt arrival, and regular participation and attendance in all course activities; with appropriate and judicious use of class and lab time.
3. Assumption of responsibility in keeping classroom in order and laboratory materials properly utilized and stored.
4. Treatment of peers, professors, teaching assistants, guest lecturers, clinical personnel, clients and their families with consideration, confidentiality, and respect.
5. See the information on absences in “Attendance Policies” above and the Absence Policy in the *OTD Student Handbook* published on the OTD program website. All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.
6. Students are expected to be thoroughly prepared for class. Students are expected to read and study assigned readings and complete assigned preparatory activities as indicated on the course website and syllabus prior to coming to class. Students are expected to bring all materials necessary to effectively participate or those specifically designated by the instructor to class or lab.
7. Professional work habits also include: being on time for class and staying until class is dismissed; being courteous in lecture and lab by refraining from chatter or other distracting behaviors; turning off all electronic devices; not reading other material during class; meeting deadlines; arranging with instructor or peer to get handouts or announcements if unable to attend class; arranging with the instructor in advance if unable to meet scheduled tests and assignments.
8. Students are expected to actively participate in discussions and lab activities. Participation assists students to develop knowledge and skill in interpersonal relationships and communication by relating to patients and families with various backgrounds and performance deficits, by relating to other students, therapists and supervisors, students gain an understanding of relationships in their professional role.
9. Lecture notes and/or Power Point slides are provided solely at the discretion of the presenter. Regardless of the provision of lecture notes/Power Point slides, students are responsible for all materials assigned and covered in class, labs, and site visits.
10. **Laptops/Tablets:** Laptops may be used in class for taking notes, viewing slides, or accessing websites related to ongoing class activities. Students are not allowed to use laptops in class for any other reason.
11. **Lab attire** includes:
  - a) Clean scrubs and/or a lab coat

- b) Gloves: the student must bring several pairs of gloves to each lab. Nitrile gloves are highly recommended.
  - c) Clean, closed toe shoes with adequate base of support.
  - d) Jewelry & make-up kept a minimum. No hats. No fragrances.
12. **TAKING PICTURES IN LAB IS PROHIBITED.**
13. **NO VISITORS ARE ALLOWED IN THE LAB! Entrance is limited to students who are taking the class.**

### Communication Guidelines

Faculty will contact students through Canvas or through ufl.edu email addresses. Please sign up to receive notifications from Canvas so that you are aware of new messages and announcements. Students should check their ufl.edu email daily.

For digital communication expectations see: *Netiquette Guidelines*: <http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

### Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

**“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”**

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

**“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”**

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

### Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

### Policy Related to Guests Attending Class:

Only registered students are permitted to attend class. However, we recognize that students who are caretakers may face occasional unexpected challenges creating attendance barriers. Therefore, by exception, a department chair or his or her designee (e.g., instructors) may grant a student permission to bring a guest(s) for a total of two class sessions per semester. This is two sessions total across all courses. No further extensions will be granted. Please note that guests are **not** permitted to attend either cadaver or wet labs. Students are responsible for course material regardless of attendance. For additional information, please review the Classroom Guests of Students policy in its entirety. Link to full policy: <http://facstaff.php.ufl.edu/services/resourceguide/getstarted.htm>

## COVID-RELATED PRACTICES

**Online Synchronous Sessions:** Lecture sessions will be audio-visually recorded on Zoom for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

**On Campus Face-to-Face:** For lab, we will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings and face shields at all times during class (for CDC guidelines: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover-guidance.html>). Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- Course materials will be provided to you with an excused absence and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](#).

## SUPPORT SERVICES

### Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, it is strongly recommended you register with the Dean of Students Office <http://www.dso.ufl.edu> within the first week of class or as soon as you believe you might be eligible for accommodations. The Dean of Students Office will provide documentation of accommodations to you, which you must then give to me as the instructor of the course to receive accommodations. Please do this as soon as possible after you receive the letter. Students with disabilities should follow this procedure as early as possible in the semester. The College is committed to providing reasonable accommodations to assist students in their coursework.

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

### Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.

- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from:  
Alachua County Crisis Center:  
(352) 264-6789  
<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

### **Inclusive Learning Environment**

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: [www.multicultural.ufl.edu](http://www.multicultural.ufl.edu)

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**The detailed class schedule is on the next page**



## CLASS SCHEDULE

\*\*\* NOTE: this is a tentative schedule

| Date                          | Topic   | Readings   |
|-------------------------------|---|--|
| <b><u>WEEK 1</u></b>          |   |  |
| <b>Lecture</b><br>1/12 - 1/14 | <ol style="list-style-type: none"> <li>1. Introduction to the course, course requirements, lab procedures, supplies</li> <li>2. Introduction to the musculoskeletal system and anatomical terminology</li> <li>3. Basic tissues and structures of the body</li> </ol> | S: Ch 1<br>S: Ch 2   |
| <b>Wed 1/13 Lab</b>           | <ol style="list-style-type: none"> <li>1. Introduction to Lab</li> <li>2. Introduction to Osteology</li> <li>3. Online lecture: intro and basic tissues</li> </ol>  |  |
| <b><u>WEEK 2</u></b>          |   |  |
| <b>Lecture</b><br>1/19 - 1/21 | <ol style="list-style-type: none"> <li>1. Introduction to Osteology</li> <li>2. Osteology: Scapula, Clavicle, Vertebrae, Sternum, Ribs, Humerus, radius, ulna, hand</li> <li>3. Joint classification</li> </ol>   | S: Ch 3<br>S: Ch 5<br>S: Ch 4, S&A: pp. 3-8                    |
| <b>Wed 1/20 Lab 1</b>         | Osteology lab: Vertebrae, scapula, clavicle, sternum, ribs, humerus, radius, ulna, carpal bones, metacarpals, phalanges   | S: Ch 5, S&A: 3-8  |
| <b><u>WEEK 3</u></b>          |   |  |
| <b>Lecture</b><br>1/26 - 1/28 | <ol style="list-style-type: none"> <li>1. Muscles of the superficial back</li> <li>2. Muscles of the pectoral region</li> <li>3. Axilla and Brachial plexus anatomy</li> </ol>  | S: Ch 8, S&A 11-21<br>S: Ch 8, S&A: 22-24<br>S: Ch 9a, S&A: 73 |
| <b>Wed 1/27 Lab 2</b>         | Muscles of the superficial back & pectoral region   | S&A: 11-24   |
| <b><u>WEEK 4</u></b>          |   |  |
| <b>Lecture</b><br>2/2 – 2/4   | <ol style="list-style-type: none"> <li>1. Muscles of the arm</li> <li>2. Joints of the shoulder girdle</li> </ol>   | S: Ch 10, S&A: 25-28   |
| <b>Wed 2/3 Lab 3</b>          | 1. Brachial plexus and muscles of the arm   | S&A: 25-28, 73   |
| <b><u>WEEK 5</u></b>          |   |  |
| <b>Lecture</b><br>2/9 - 2/11  | <ol style="list-style-type: none"> <li>1. Brachial Plexus Injuries</li> <li>2. Joints of the back and the vertebral column</li> <li>3. Catch-up and Review for written exam #1</li> </ol>   | S: Ch 9b<br>S: Ch 6  |
| <b>Wed 2/10 Lab 4</b>         | <ol style="list-style-type: none"> <li>1. Shoulder joint</li> <li>2. Catch up and review for lab exam #1</li> </ol>   | S: Ch 7  |

| Date                             | Topic   | Readings  |
|----------------------------------|---|---|
| <b><u>WEEK 6</u></b>             |   |   |
| <b>Lecture</b><br>2/16 - 2/18    | 1. Muscles of the forearm<br>2. Joints of the forearm and hand<br><b>Lecture Exam 1:</b> Tue. 2/16; 4:00 – 5:30   | <b>S=Syllabus</b><br><b>SA = Sieg &amp; Adams</b><br>S: Ch 12, S&A: 28-45<br>S: Ch 11, 13<br><b>Chapters 1-11</b> |
| <b>Wed 2/17</b><br><b>Lab 5</b>  | <b>Lab Exam 1:</b> Lab 1 @ 9:35; Lab 2 @ 11:45  |   |
| <b><u>WEEK 7</u></b>             |   |   |
| <b>Lecture</b><br>2/23 - 2/25    | 1. Intrinsic hand   | S: Ch 14, S&A: 46-57  |
| <b>Wed 2/24</b><br><b>Lab 6</b>  | 1. Muscles of the forearm, joints of the arm  | S: Ch 12, S&A: 28-45  |
| <b><u>WEEK 8</u></b>             |   |   |
| <b>Lecture</b><br>3/2 - 3/4      | 1. Innervation and dermatomes of the UE<br>2. Nerve injuries<br>3. Blood supply of the upper extremity  | S: Ch 15, S&A: 73-79<br>S: Ch 9, 15<br>S: Ch 15   |
| <b>Wed 3/3</b><br><b>Lab 7</b>   | 1. Intrinsic hand, joints of the hand   | S: Ch 13,14; S&A: 46-57   |
| <b><u>WEEK 9</u></b>             |   |   |
| <b>Lecture</b><br>3/9 - 3/11     | 1. Muscles of the thoracic & anterior abdominal wall<br>2. Osteology of the lower extremity<br>3. Muscles of the gluteal region                                     | S: Ch 16, S&A: 141-145<br>S: Ch 17, S&A: 80-83<br>S: Ch 18, S&A: 86-89  |
| <b>Wed 3/10</b><br><b>Lab 8</b>  | 1. Innervation and blood supply of the UE   | S: Ch 15; S&A: 73-79  |
| <b><u>WEEK 10</u></b>            |   |   |
| <b>Lecture</b><br>3/16 - 3/18    | 1. Joints of the pelvis and the hip<br>2. Knee joint<br>1. Catch up and review for Exam 2   | S: Ch 18<br>S: Ch 20  |
| <b>Wed 3/17</b><br><b>Lab 9</b>  | 1. Muscles of the thoracic & anterior abdominal wall<br>2. Osteology of the lower extremity<br>3. Muscles of the gluteal region                                     | S: Ch 16, S&A: 141-146<br>S: Ch 17, S&A: 80-83<br>S&A: 86-89  |
| <b><u>WEEK 11</u></b>            |   |   |
| <b>Lecture</b><br>3/23 - 3/25    | 1. Muscles of the posterior, anterior, adductor thigh<br>2. Muscles of the anterior, lateral, and posterior leg<br><b>3. Lecture Exam 2:</b> Tue. 3/23; 4:00 – 5:30 | S: Ch 19, S&A: 90-101<br>S: Ch 22, S&A: 102-114<br><b>Chapters 12-18</b>  |
| <b>Wed 3/24</b><br><b>Lab 10</b> | <b>Lab Exam #2:</b> Lab 1 @ 9:35; Lab 2 @ 11:45   |   |

| Date                             | Topic   | Readings   |
|----------------------------------|---|--|
| <b><u>WEEK 12</u></b>            |   |  |
| <b>Lecture</b><br>3/30 - 4/1     | 1. Intrinsic foot<br>2. Joints of the leg and foot  | S: Ch 23, S&A: 115-119<br>S: Ch 21                                     |
| <b>Wed 3/31</b><br><b>Lab 11</b> | 1. Structures of the thigh<br>3. Muscles of the posterior, anterior, adductor thigh<br>4. Muscles of the anterior, lateral & posterior leg  | S: Ch 19, S&A: 90-101<br>S: Ch 22, S&A: 102-114                        |
| <b><u>WEEK 13</u></b>            |   |  |
| <b>Lecture</b><br>4/6 - 4/8      | 1. Cutaneous innervation, dermatomes, nerve injuries  | S: Ch 24, S&A: 126-132   |
|                                  | 2. Blood and nerve supply to the LE   | S: Ch 25, S&A: 126-132   |
|                                  | 3. Muscles of the deep back, posterior thoracic wall  | S: Ch26; S&A:147-151   |
| <b>Wed 4/7</b><br><b>Lab 12</b>  | 1. Muscles of the foot  | S: Ch 23, S&A: 115-119   |
|                                  | 2. Joints of the lower extremities  | S: Ch 21   |
| <b><u>WEEK 14</u></b>            |   |  |
| <b>Lecture</b><br>4/13 - 4/15    | 1. Muscles of the deep back (cont.)<br>2. Osteology of the skull<br>3. Cervical plexus<br>4. Muscles of the anterior and lateral neck       | S: Ch 27, S&A: 138-140<br>S&A: 2<br>S: Ch 27<br>S: Ch 26, S&A: 148-151 |
| <b>Wed 4/14</b><br><b>Lab 13</b> | 1. Blood and nerve supply to the LE   | S:Ch24-25, S&A:126-132   |
|                                  | 2. Muscles of the deep back   | S: Ch26; S&A:147-151   |
|                                  | 3. Muscles of the posterior thoracic wall   | S: Ch26; S&A:147-151   |
| <b><u>WEEK 15</u></b>            |   |  |
| <b>Lecture</b><br>4/20           | 1. Muscles of facial expression, extra-ocular muscles<br>2. Muscles of mastication and muscles of deglutition<br>3. Temporomandibular joint | S: C 28, S&A: 133-5<br>S: Ch 28, S&A: 136-137<br>S: Ch 28              |
| <b>Wed 4/21</b><br><b>Lab 14</b> | 1. Structures and muscles of the neck   | S: Ch 27, S&A: 138-140   |
|                                  | 2. Muscles of mastication and facial expression   | S: C 28, S&A: 133-140  |
|                                  | 3. Eye muscles  | S: C 28, S&A: 136-137  |
|                                  | 4. Osteology of the skull, TMJ  | S&A: 2   |
| <b><u>WEEK 16</u></b>            |   |  |
| <b>Tuesday 4/27</b>              | <b>Lecture Exam 3: Tue. 4/27; 1:00 – 3:00</b>   | <b>Chapters 19-28</b>  |
| <b>Wed. 4/28</b>                 | <b>Lab Exam 3: Lab 1 @ 9:35; Lab 2 @ 11:45</b>  |  |

\*\*\* NOTE: this is a tentative schedule