GMS 6610 | Anatomy of the Peripheral Nervous System

Class Number: 14772

Instructor Information

Lindsey Lefebvre

Course Details

Catalog Description: The Anatomy of the Peripheral Nervous System Course will be presented by a combination of online lectures and online laboratory sessions. The anatomy and function of spinal and cranial nerves of the human body will be discussed and observed in the Vivile Human Body software program. Anatomical imaging will be correlated to transverse, sagittal, and coronal human sections. Medical-based scenarios, e.g., nerve lesions, will be used to promote retention and recall.
Pre- and Co-Requisites: Prereq: Students are expected to have already taken GMS5605 Online Medical Human Anatomy; GMS5606 Medical Human Anatomy Laboratory and permission of instructors.
Credit Hours: 3
Course Fees: $0.00

Additional Course Description

Course Description

This course provides an in-depth study of the anatomy of the peripheral nervous system through a combination of online lectures and virtual laboratory sessions. Students will examine the structure and function of the spinal nerves and cranial nerves using an interactive, virtual 3D human model, lectures, and online labs. Anatomical features will be correlated with transverse, sagittal, and coronal imaging to enhance spatial understanding and clinical relevance. Medical-based scenarios—such as nerve lesions—will be integrated throughout the course to reinforce retention, improve recall, and strengthen clinical application.

Prerequisites

This advanced medical anatomy course will require a strong science foundation of five (5) full-semester science courses related to Biology, Chemistry, and/or Physics. Students are expected to have already taken GMS 5605 Online Medical Human Anatomy; GMS 5606 Medical Human Anatomy Laboratory

Time Commitment

This course will require about 90 hours of time total, or about 6 hours per week, allocated between different course activities (i.e., video lectures, quizzes, and overviews).

Required Materials

PRINCIPLES OF HUMAN ANATOMY, 15E (KORTEXT EBOOK)

ISBN: 9781119285038
Authors: IED
Publisher: WILEY
Edition: 1
All Access: This course uses UF All Access

VISIBLE HUMAN DISSECTOR PROGRAM TOUCH OF LIFE TECHNOLOGIES HTTP://WWW.TOLTECH.NET/SCHOOLS/UFL
Authors: TOUCH OF LIFE TECHNOLOGIES
All Access: This course does not use UF All Access

Recommended Materials

PRINCIPLES OF HUMAN ANATOMY, 13TH, OR 14TH EDITION. TORTORA, G.J. AND NIELSEN, M., JOHN WILEY & SONS, 2014 THAT YOU USED FOR GMS5605 OR EQUIVALENT TEX
ISBN: 9781119285038
Authors: TORTORA, G.J. AND NIELSEN, M., JOHN WILEY & SONS
Publisher: WILEY
Edition: 14 OR 15
All Access: This course does not use UF All Access

Course Goals and Objectives

Course Goals

The goals of this course are threefold: (1) to further enhance a foundation of the fundamental concepts and terminology of the anatomy of the human body. (2) to discuss anatomical organization into functional systems related to medical correlations; and (3) to promote critical thinking of the clinical consequences of the anatomical injuries, musculoskeletal disorders, pulmonary diseases, gastrointestinal abnormalities, and renal pathophysiology.

Expectations and Student Learning Outcomes

Learning Outcomes

Upon completion of this online laboratory course, students will be able to:

1. Identify and describe the anatomical organization of the peripheral nervous system, including spinal nerves, cranial nerves, and their major branches.
2. Explain the functional roles of sensory, motor, and autonomic components of the peripheral nervous system.
3. Use interactive 3D anatomical models (VH Dissector) to accurately locate and visualize peripheral nerves and associated structures.
4. Correlate peripheral nerve anatomy with transverse, sagittal, and coronal imaging to demonstrate spatial understanding.
5. Analyze medical-based scenarios, such as nerve injuries or lesions, to predict functional deficits and clinical outcomes.
6. Apply anatomical knowledge of the peripheral nervous system to clinical contexts to support diagnostic reasoning.

7. Demonstrate improved retention and recall of peripheral nerve anatomy through virtual laboratory exercises and case-based learning.

Methods of Evaluation

Examinations and Grading

Your grade in this course will be based on four multiple-choice exams, one for each module. Exams are not cumulative.

- Exam Format: Each exam includes 50 multiple-choice questions, worth 2 points each, for a total of 100 points per exam.
- Delivery: Exams will be administered online during a scheduled weekend window: Friday 8:00 AM to Sunday 11:59 PM (Eastern Time). See course schedule for details.
- Timing: Once you begin an exam, you will have 90 minutes to complete it.

Honor Lock: Students must take all examinations at a computer with a web camera. Exams will be secured and proctored using HonorLock.

Assignments

The course is divided into 4 modules. Each module consists of selected chapters with specific reading assignments. For each module students will: (1) review the learning objectives and corresponding lecture notes; (2) read and complete the assignments as given; (3) complete any given interactive exercises associated with each module; (4) take online practice examinations; and (5) take the scheduled, online module examination.

Grading Scale

Letter grade and percentage

Letter	Percentage Value
A	93 - 100%
A -	90 - 92.99%
B +	87 - 89.99%
B	83 - 86.99%
B -	80 - 82.99%
C +	77 - 79.99%
C	73 - 76.99%
C -	70 - 72.99%
D +	67 - 69.99%
D	63 - 66.99%
D -	60 - 62.99%
E	59% and below

Course Schedule

Module 1 schedule

Week	Date	Activity	Reading Assignment
Week 1	May 11 - 15	A. Online Lecture: Anatomy of the Nervous System B. Online Lab session C. Online Overview Session	• Tortora, Chapter 16 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves • Online Dissector, Chapter 2.
Week 2	May 18 - 22	A. Online Lecture: Anatomy of the Peripheral Nervous System B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 16 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves
Week 3	May 25 - 29	A. Online Lecture: Anatomy of the Spinal Cord B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 17 • Visible Human Dissector, Virtual Edge, Exercise 1. Spinal Cord
		A. Online Lecture: Anatomy of Spinal Nerves B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 17 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves
Week 4	June 1 - 5	A. Online Lecture: Sensory & Motor Organization in Spinal Nerves B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 17 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves
Module 1 Exam - June 5			

Module 2 schedule

Week	Date	Activity	Reading Assignments

Week	Date	Activity	Reading Assignments
Week 5	June 8 - 12	A. Online Lecture: Anatomy of Spinal Nerves of Upper Extremities B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 20 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves • Online Dissector, Chapter 5.
Week 6	June 15 - 19	A. Online lecture: Lesions of the Brachial Plexuses. B. Online Lab Session. C. Online Overview Session	• Tortora, Chapter 20 • Visible Human Dissector, Virtual Edge, Exercise 11. Axilla, Brachial Plexus, and Arm.
Week 7	June 22 - 26	A. Online Lecture: Anatomy of Spinal Nerves of Lower Extremities B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 20 • Visible Human Dissector, Anatomy Pathways,4-1. Spinal Cord & Spinal Nerves
		A. Online Lecture: Lesions of the Lumbo-Sacral Plexuses B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 20 • Visible Human Dissector, Virtual Edge, Exercise 14. Gluteal Region and Lumbosacral Plexus. • Online Dissector, Ch. 13.
Module 2 Exam - June 26			

Module 3 schedule

Week	Date	Activity	Reading Assignments

Week	Date	Activity	Reading Assignments
Week 8	June 29 - July 3	A. Online Lecture: Anatomy of Cranial Nerves I, II, VIII and V, VII B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 18 • Visible Human Dissector, Anatomy Pathways, 4-3. Cranial Nerves
Week 9	July 6 - 10	A. Online Lecture: Anatomy of Cranial Nerves III, IV, VI B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 18 • Visible Human Dissector, Virtual Edge, Exercise 6.
Week 10	July 13 - 17	A. Online Lecture: Anatomy of Cranial Nerves IX, X, XI and XII B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 18 • Visible Human Dissector, Virtual Edge, Exercise 6.
		A. Online Lecture: Effects of Lesions of Cranial Nerves B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 18 • Visible Human Dissector, Anatomy Pathways, 4-3. Cranial Nerves
Module 3 Exam - July 17			

Module 4 schedule

Week	Date	Activity	Reading Assignments

Week	Date	Activity	Reading Assignments
Week 11	July 20 - 24	A. Online Lecture: Anatomy of the Sympathetic Nervous System. B. Online Lab Session C. Online Overview Session	• Tortora, Chapter 19 • Online Dissector, Chapter 21.
Week 12	July 27 - 31	A. Online Lecture: Anatomy of the Parasympathetic Nervous System B. Online Lab Session. C. Online Overview Session	• Tortora, Chapter 19 • Online Dissector, Chapter 21.
Week 13	Aug 3 - Aug 7	A. Online Lecture: Anatomy of the Parasympathetic Nervous System B. Online Lab Session. C. Online Overview Session	• Tortora, Chapter 19 • Online Dissector, Chapter 21.
Module 4 Exam - August 7			

Schedule of Assignments

Due Dates	Assignments	Type of Assignment	Points
6/7/26	Module 1 Exam	graded quiz	100
6/28/26	Module 2 Exam	graded quiz	100
7/19/26	Module 3 Exam	graded quiz	100
8/9/26	Module 4 Exam	graded quiz	100

University Policies and Resources

Information about grading policies, support for students with disabilities, course evaluations, the Honor Code, and other course policies and campus resources can be found on the Syllabus Policies page.

Attendance Policy

Excused and Unexcused Absences

Students may only participate in classes if they are registered officially or approved to audit with evidence of having paid audit fees. The Office of the University Registrar provides official class rolls to instructors.

Students are responsible for satisfying all academic objectives as defined by the instructor. Absences count from the first-class meeting.

Acceptable reasons for absence from or failure to engage in class include illness; Title IX-related situations; serious accidents or emergencies affecting the student, their roommates, or their family; special curricular requirements (e.g., judging trips, field trips, professional conferences); military obligation; severe weather conditions that prevent class participation; religious holidays; participation in official university activities (e.g., music performances, athletic competition, debate); and court-imposed legal obligations (e.g., jury duty or subpoena). Other reasons (e.g., a job interview or club activity) may be deemed acceptable if approved by the instructor.

For all planned absences, a student in a situation that allows an excused absence from a class, or any required class activity must inform the instructor as early as possible prior to the class. For all unplanned absences because of accidents or emergency situations, students should contact their instructor as soon as conditions permit.

Students shall be permitted a reasonable amount of time to make up the material or activities covered during absence from class or inability to engage in class activities because of the reasons outlined above.

If a student does not participate in at least one of the first two class meetings of a course or laboratory in which they are registered, and they have not contacted the department to indicate their intent, the student can be dropped from the course. Students must not assume that they will be dropped, however. The department will notify students if they have been dropped from a course or laboratory.

The university recognizes the right of the instructor to make attendance mandatory and require documentation for absences (except for religious holidays), missed work, or inability to fully engage in class. After due warning, an instructor can prohibit further attendance and subsequently assign a failing grade for excessive absences.

Religious Holidays Guidelines

At the University of Florida, students and faculty work together to allow students the opportunity to observe the holy days of their faith. A student should inform the faculty member of the religious observances of their faith that will conflict with class attendance, with tests or examinations, or with other class activities prior to the class or occurrence of that test or activity. The faculty member is then obligated to accommodate that particular student's religious observances. Because students represent a myriad of cultures and many faiths, the University of Florida is not able to assure that scheduled academic activities do not conflict with the holy days of all religious groups. Accordingly, individual students should make their need for an excused absence known in advance of the scheduled activities.

The Florida Board of Education and state law govern university policy regarding observance of religious holidays.

Guidelines

- Students, upon prior notification to their instructors, shall be excused from class or other scheduled academic activity to observe a religious holy day of their faith.

- Students shall be permitted a reasonable amount of time to make up the material or activities covered in their absence.
- Students shall not be penalized due to absence from class or other scheduled academic activity because of religious observances.

If a faculty member is informed of or is aware that a significant number of students are likely to be absent from class because of a religious observance, the faculty member should not schedule a major exam or other academic event at that time.

A student who is to be excused from class for a religious observance is not required to provide a second party certification of the reason for the absence. Furthermore, a student who believes that they have been unreasonably denied an education benefit due to religious beliefs or practices may seek redress through the student grievance procedure.

Absence due to Illness

A student who is absent from class or any required class-related activity because of illness should contact their instructor, if feasible, as early as possible prior to the missed class or activity.

Students shall be permitted a reasonable amount of time to make up the material or activities covered during an excused absence.

Students should contact their college by the deadline to drop a course for medical reasons. Students can petition the Dean of Students Office to drop a course for medical reasons. The university's policy regarding medical excuse from classes is maintained by the Student Health Care Center.

Twelve-Day Rule

Students who participate in university-sponsored athletic or scholarly activities are permitted to be absent 12 scholastic days per semester without penalty. A scholastic day is any day on which regular class work is scheduled as defined in the approved university calendar.More Info

The student or student's advisor must notify the instructor as early as possible prior to the anticipated absence to allow ample time for accommodations. Instructors must be flexible and not penalize students when re-scheduling during-term and final exams, class assignments, and other required activities and must follow the UF Attendance Policy herein and UF Examination Policies. As noted in the UF Examination Policies, during-term exams should be re-scheduled no later than before the end of the semester, while final exams no later than 90 days after the originally scheduled exam time. However, instructors are encouraged to re-schedule final and during-term exams, assignments, and other activities as soon as possible after the last day of the absence and must not penalize the student in any way.More Info

A group's schedule that requires absence of more than 12 scholastic days should be adjusted so that no student is absent from campus more than 12 scholastic days. Students who previously have been warned in writing by their instructor about the impact of absences on their individual class performance should not incur additional absences, even if they have not been absent 12 scholastic days. The student is responsible to maintain satisfactory academic performance and attendance.

Course Policies and Resources

Learning Resources

1. Required software:
    a. Visible Human Dissector Program, Touch of Life Technologies. Purchase available at the Toltech site. Price is $79.
2. Recommended Text:
    a. Principles of Human Anatomy, 15th Edition. Tortora, G.J. and Nielsen, M., John Wiley & Sons, 2014 that you used for GMS5605 or equivalent text.
    ** You can purchase the electronic version of the text with the access code at wileyplus.com. The online access is not required for this course. **WileyPlus Course section ID is B81563.**
3. Unit overviews, recorded lectures with PowerPoint presentations, and other multimedia resources will be provided on the course Canvas web site.
4. Practice (not-graded) on-line quizzes that consist of multiple-choice questions will be available for each module of study.

Attendance

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the Attendance Section of the UF Catalog.

A student's overall success, however, is based upon following the course schedule for learning the assigned readings and practicing the recommended exercises. Students are strongly encouraged to develop self-discipline to complete all text readings and online exercises, including the practice examinations.

Academic Integrity

Please review the University's complete policy regarding academic dishonesty, found online in the

Student Handbook.

Students are expected to abide by the University's Academic Honesty Policy, and to adhere to the

following pledge:

"We, the member of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."

On all work submitted for credit by students 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."

According to the UF Student Guide, Academic dishonesty includes the following.

- Cheating - copying another's work for academic gain.
- Plagiarism - representing another's work as your own.
- Bribery - offering, giving, soliciting, or receiving goods or services of value for academic gain.
- Misrepresentation - altering facts (e.g., signing an absent classmate's name to an attendance sheet).
- Conspiracy - planning with others to commit academic dishonesty.

- Fabrication - making up information to avoid punishment or other difficulty.

Copyright Information

Please also review the use of copyrighted materials from the UF Library.

Accommodation Policy

Students requesting classroom accommodation must first register with the Dean of Students' office, 202 Peabody Hall, 352-392-1261. The DSO will provide documentation to the student who must then provide this documentation to the instructor.

Student Support Services

As a student in a distance learning course or program you have access to the same student support services that on campus students have. For course content questions contact your instructor.

For any technical issues you encounter with your course please contact the UF computing Help Desk at 352-392-4357. For hours visit the Help Desk Website.

For a list of additional student support services please visit the Distance support website.

Special Accommodations

Students requesting disability-related academic accommodations must first register with the Disability Resource Center.

The Disability Resource Center will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Complaints

Should you have any complaints with your experience in this course please visit the Distance Complaints Website to submit a complaint.

Online Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted Online.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 UF's Evaluations Website.

UF ACADEMIC POLICIES and CAMPUS RESOURCES

Please visit the UF online website for full academic policies and resources.

Health and Wellness

- UF Whole Gator Resources: Visit for resources that are designed to help you thrive physically, mentally, and emotionally at UF.

- U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352-392-1575 so that a team member can reach out to the student.
- Counseling and Wellness Center: 352-392-1575;
- Sexual Assault Recovery Services (SARS). Student Health Care Center, 352-392-1161.
- University Police Department, 352-392-1111 (or 9-1-1 for emergencies).

Academic Resources

- E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 (select option 2) or via e-mail at helpdesk@ufl.edu.
- Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
- Library Support: Various ways to receive assistance with respect to using the libraries or finding resources. Call 866-281-6309 or email ask@ufl.libanswers.com for more information.

Late and Make Up Work Policy

Make-Up Exam Policy

Students are required to take all four modular examinations. Make-up exams are given only under special circumstances. If the student is unable to take a scheduled modular examination, the course director must be notified before the examination. In addition, a written letter of explanation (emails allowed), requesting that the absence from the exam be excused, must be presented before the exam or immediately afterwards. An excused absence is allowable when: 1) the student is hospitalized and/or has been advised by a licensed medical practitioner or hospital not to attend the exam, 2) if there is a documented death of an immediate family member, or 3) the examination falls on a religious holiday. All excused absences will be considered on an individual basis by the course director. With the exception of highly extenuating circumstances, failure to follow the prescribed procedures will result in a grade of zero for that exam. Further information about the policies for attendance and religious holidays for The University of Florida can be found in the Attendance section of the UF Catalog.

Technology in the Classroom

Pre-recorded video lectures, course documents and exams will be available online through the Canvas course management system. Exams will be secured and proctored using HonorLock. Students are expected to have a computer that meet the minimum UF requirements. A web camera and microphone is required for taking the exams.