

KIN4075

Gross Anatomy Neuromusculoskeletal Dissection Of The Spine & Extremities

Dates: 1/9/23 - 5/7/23

Meeting Day/Time: Tuesday and Thursday from 4:30- 7:30

Location: Rohr Science 165/175

Credit Hours: 3

INSTRUCTOR INFORMATION

Instructor: Dr. Joy Balta

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PLNU MISSION

To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

COURSE DESCRIPTION

Study of structural organization of the human body from cellular to organ system level of organization and its application to clinical scenarios. Gross and microscopic anatomy of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems of the human body.

INSTITUTIONAL LEARNING OUTCOMES (ILO)

1. **Learning, Informed by our Faith in Christ**
Students will acquire knowledge of human cultures and the physical and natural world while developing skills and habits of the mind that foster lifelong learning.
2. **Growing, In a Christ-Centered Faith Community**
Students will develop a deeper and more informed understanding of others as they negotiate complex professional, environmental, and social contexts.

3. **Serving, In a Context of Christian Faith**

Students will serve locally and/or globally in vocational and social settings.

PROGRAM LEARNING OUTCOMES (PLO)

All Health and Human Performance majors within the Department of Kinesiology will be able to:

1. Speak and write effectively to a target audience on essential information in human movement/health and human performance.
2. Critically evaluate and integrate new information into professional practice to solve relevant *health or fitness* problems.
3. Assess fitness and human movement to determine risk for injury and develop programs to improve human performance.
4. Describe the mechanisms (i.e. metabolic, physiologic, biomechanical, and developmental) by which physical activity aids in health promotion, performance enhancement and disease prevention.
5. Demonstrate preparedness to serve others in various fitness or health care settings through their selected vocation and calling.

All Applied Health Science majors within the Department of Kinesiology will be able to:

1. Speak and write effectively to a target audience on essential information in health care.
2. Critically evaluate and integrate new information into professional practice to solve relevant *health care concerns*.
3. Describe the mechanisms (i.e. metabolic, physiologic, biomechanical, and developmental) by which physical activity aids in health care settings.
4. Demonstrate preparedness to serve others in various health care settings through their selected vocation or calling.

The Point Loma Nazarene University MS-KIN graduate will be able to

1. Appraise current research data in Kinesiology and integrate it into professional practice to solve relevant problems and make effective decisions.
2. Work independently and with a team to persuasively communicate essential information in their discipline.
3. Demonstrate appropriate breadth of knowledge of the background and principle research in their specialization in order to conduct an independent research project.
4. Serve various populations, integrating compassionate care and the Christian faith with their professional practice.
5. Pursue an active and growing involvement in their discipline by achieving advanced certification and/or membership in a related professional organization.

COURSE LEARNING OUTCOMES (CLO)

The following learning outcomes will be achieved by students in this course:

1. Identify gross anatomy using proper anatomical terminology.
2. Identify microscopic anatomy using proper anatomical terminology.
3. Articulate the relationship between structure and function.
4. Describe the embryological developmental stages

CREDIT HOUR INFORMATION

It is anticipated that students will spend a minimum of 37.5 participation hours per credit hour on their course work. As a graduate course, students can expect the work in this class to be significant, and students should plan on spending more than 10 hours a week engaged in the course. The estimated time expectations for this course are shown below:

CLASS ORGANIZATION

The course is divided into Six Divisions, each of which covers specific anatomical regions of the human body. Learning strategies include video sessions, labs, and recitations.

Course Units

Unit I	Back & Spinal Cord
Unit II	Upper Limb
Unit III	Lower Limb

Course Due Date/Times	
Sessions:	To be completed Tuesday & Thursday before 3 pm (Asynchronous).
Lab:	Rohr Science

ASSESSMENT AND GRADING

Your grades will be posted in the Canvas Grades area no later than midnight on Tuesday of each week beginning in Week Two of this course. It is important to read the comments posted in the Grades as these comments are intended to help you improve your work. Final grades will be posted within one week of the end of the class. Grades will be based on the following:

Assessment	%
Written Quiz (3x20pts)	60
Discussion Boards (4x2.5pts)	10
Practical Quiz (3x10)	30
Total	100

Written Quiz: Each out of the three units will have an overall unit quiz. The quiz will be conducted on canvas and each exam is worth 20 points. The quiz will have image identification, True or False, multiple choice and matching questions. Each unit quiz will cover the content covered in that specific section only.

Discussion Boards: Discussion boards will be completed online where students are required to submit one post and comment on two students' posts.

Practical Quiz: Each out of the three units will have an overall unit quiz. The quiz will be conducted in the lab and each exam is worth 10 points. The quiz will have image identification questions on the donor along with other related questions.

GRADING SCALE

Final grades are calculated based on final total points earned. There is no curve and no extra credit assignments. You will receive the grade that you earn. The point total will be converted to a percentage for the purpose of assigning a letter grade; therefore there will be no rounding of percentages.

Grading Scale

GRADE	PERCENTAGE	GRADE	PERCENTAGE
A	≥ 93%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%

B	83-86%	D	63-66%
B-	80-82%	D-	60-62%
C+	77-79%	F	≤ 59%

ATTENDANCE

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation.

In some courses, a portion of the credit hour content will be delivered asynchronously and attendance will be determined by submitting the assignments by the posted due dates. See

Academic Policies in the Undergraduate Academic Catalog. If absences exceed these limits but are due to university excused health issues, an exception will be granted.

Asynchronous Attendance/Participation Definition

A day of attendance in asynchronous content is determined as contributing a substantive note, assignment, discussion, or submission by the posted due date. Failure to meet these standards will result in an absence for that day. Instructors will determine how many asynchronous attendance days are required each week.

LATE ASSIGNMENTS

- All assignments are to be submitted by the due date and time listed in the calendar via [Canvas](#).
- While there are due dates for weekly assignments, you are welcome to post your work earlier in the week. In our discussions, late work means that others may not have the opportunity to respond to your comments. It also means that you will not have the benefit of as much interaction with other students as you will have if your assignment is posted on time. If you know you will be away on the day your assignment is due, please post your work before you leave.
- Missed exams or quizzes may **ONLY** be made up with a legal, written excuse.
- Late work will **NOT** be accepted or graded; assignments will be considered late if posted **after midnight Pacific Standard Time on the day they are due**

PLNU COPYRIGHT POLICY

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See the [Academic Honesty Policy](#) in the Graduate and Professional Studies Catalog for definitions of kinds of academic dishonesty and for further policy information.

PLNU ACADEMIC ACCOMMODATIONS POLICY

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (EAC@pointloma.edu or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will issue an academic accommodation plan ("AP") to all faculty who teach courses in which the student is enrolled each semester.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course and/or if they do not wish to utilize some or all of the elements of their AP in that course.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC.

SPIRITUAL CARE

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith.

If students have questions, a desire to meet with the chaplain or have prayer requests you can contact the [Office of Spiritual Development](#).

INSTRUCTOR FEEDBACK

Assignments will be graded as soon after the due date as possible and grades will be posted to the Canvas gradebook. If an immediate response is needed, email or phone the instructor.

INFORMATION LITERACY

The curriculum of the MS-KIN is designed so that you develop skills in scientific writing, performing statistical analysis of data, reading and critically appraising primary literature, and incorporating current best evidence into your professional practice. Not all information is equally sound or applicable to your practice. Various assignments within this course are designed to accomplish the goal of informational literacy—to evaluate the validity and importance of information obtained from any source and use the information appropriately to solve relevant problems.

SEXUAL MISCONDUCT AND DISCRIMINATION

Point Loma Nazarene University faculty are committed to helping create a safe learning environment for all students. If you (or someone you know) have experienced any form of sexual discrimination or misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available through the [Title IX Office](#). Please be aware that under Title IX of the Education Amendments of 1972, it is required to disclose information about such misconduct to the Title IX Office.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact Counseling Services at counselingservices@pointloma.edu or find a list of campus pastors at the [Title IX Office | Get Help Now](#)

USE OF TECHNOLOGY

In order to be successful in the online or hybrid environment, you'll need to meet the minimum technology and system requirements; please refer to the [Technology and System Requirements](#) information. Additionally, students are required to have headphone speakers, microphone, or webcams compatible with their computer available to use. Please note that any course with online proctored exams requires a computer with a camera (tablets are not compatible) to complete exams online.

Problems with technology do not relieve you of the responsibility of participating, turning in your assignments, or completing your class work.

ASSIGNMENTS AT-A-GLANCE

The course summary below lists our assignments and their due dates. Click on any assignment to review it.

Unit	Week	Date	Lecture	Lab
I	1	Pre 1/12	L1-Introduction & Superficial Back Muscles	No Lab
		12-Jan	L2-Intermediate, Deep Back Muscles & Suboccipital Region	L1
		1/17	L3-Vertebral Column & Spinal Cord	L2
		1/13- 1/15	Discussion Board 1	
	2	1/19	L4-Scapular & Pectoral Regions	L3 & 4
		1/20- 1/22	Written Quiz 1	
II	3	Pre 1/24	L5-Axillary Region & Brachial Plexus	No Lab
		1/24	Practical Quiz 1	
		1/24	L6-Arm & Cubital Fossa	L5
		1/26	L7- Forearm	L6
		1/27- 1/29	Discussion Board 2	
	4	1/31	L8- Hand	L7
		2/2	No Lecture	L8
		2/3- 2/5	Written Quiz 2	
III	5	Pre 2/7	L9-Thoracic & Abdominal Wall	No Lab
		2/7	Practical Quiz 2	
		2/7	L10- Anterior & Medial Thigh	L9
		2/9	L11- Gluteal Region & Posterior Thigh	L10
		2/10- 2/12	Discussion Board 3	
	6	2/14	L12- Leg	L11
		2/16	L13- Foot	L12
		2/16- 2/19	Discussion Board 4	
	7	2/21	No Lecture	L13
		2/23	Practical Quiz 3	
2/24- 2/26		Written Quiz 3		
8	2/28	Open		