


### Course Information

 <p>The logo for Point Loma Nazarene University features a green building icon with the year '19' on the left and '02' on the right. Below the icon, the text 'POINT LOMA' is written in a large, green, serif font, and 'NAZARENE UNIVERSITY' is written in a smaller, gold, sans-serif font below it.</p>	<p>ANA6002   5002   4002</p> <p><b>Gross Anatomy of the Musculoskeletal System</b></p> <p><b>Dates:</b> July 1 - August 25, 2024</p> <p><b>Meeting Day:</b> Tuesday and Thursday</p> <p><b>Meeting Time:</b> 8:00 a.m. - 11:00 a.m.</p> <p><b>Location:</b> Rohr Science Hall Room 165</p> <p><b>Credit Hours:</b> 3</p>
<p><b>Instructor:</b> Ryan Nokes, PhD, ATC, CSCS, CES</p> <p><b>Email:</b> <a href="mailto:rnokes@pointloma.edu">rnokes@pointloma.edu</a></p> <p><b>Office Hours:</b> By appointment only.</p>	

### 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.

### **COURSE LEARNING OUTCOMES (CLO)**

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

1. Describe the structural and functional organization of the human body and the interrelatedness of bony structures, musculature, innervation and vasculature, within each body region
2. Apply knowledge of the anatomic organization and relationships of structures to identify and interpret anatomic landmarks, and normal structures on cadaveric specimens
3. Explain the anatomic basis for common clinical conditions, injuries, pathologies, and diagnostic/interventional procedures
4. Demonstrate the communication and organizational skills necessary to accurately convey anatomic information to peers
5. Demonstrate respect, integrity, responsibility, and self-discipline toward donors, peers, and faculty
6. Analyze their understanding of the human body and use this information to guide their study of gross anatomy

---

### **REQUIRED RESOURCES**

#### **Lippincott Connect Courseware**

This platform will include a digital copy of:

- Detton, Alan J. 2016. Grant's Dissector, 17E. LWW (ISBN-13: 978-197513460) (ISBN-10: 1975134605)

<https://lippincottdirect.lww.com/MedicalEducation-PointLomaNazareneUniversity-Summer2024>

**30% OFF DISCOUNT CODE WZT70PFT for STUDENTS**

## Recommended Resources

It is optional to get the digital version of the below:

- Agur, Anne M. R. and Dalley, Arthur F. 2019. Moore's Essential Clinical Anatomy, 6E. LWW (ISBN-13: 9781496369659) (ISBN-10: 1486369653)
- [Anatomy & Physiology by OpenStax](#)
- [Visible Body Suite](#) and you can use discount code: PLNU-ALI to get 20% off.

This is only recommended but if you want to use the resources they provide, you will need to create an account first and buy the Visible Body Suite.

## Contact Information

If you face any technical difficulties, please contact Kara Kindstrom from Visible Body at this email: [kara.kindstrom@visiblebody.com](mailto:kara.kindstrom@visiblebody.com).

---

## CREDIT HOUR INFORMATION

It is anticipated that students will spend a minimum of 37.5 participation hours per credit hour on their coursework. 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:

### Assignments and Hours

Assignments	Course Hours
Required Reading	19
F2F Labs	45
Lectures & Lab Prep	48
Online Exams	6
Total Course Hours	118

---

## CLASS ORGANIZATION

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

### Course Units

Unit 1	Back & Spinal Cord
Unit 2	Upper Limb
Unit 3	Lower Limb

---

## 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:

**Exams:** Each of the three units will have an online written exam and a lab practical exam. The written exams will be completed on Canvas and will include image identification, True or False, multiple choice, and matching questions. **The written exams will be 60% of your overall grade.** The lab practical exam will be completed in a scheduled lab session and assess your skills of identification. Each exam will cover the content covered in that specific unit. **The Lab Practical Exams will be 30% of your overall grade.**

**Assignments:** Additional assignments to provide practice and interaction with the content will include Study Activities aligned with the weekly lectures, and a variety of submissions as required. **Assignments will be 10% of your overall grade.**

## GRADING SCALE

Final grades are calculated based on the 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 to assign a letter grade; therefore there will be no rounding of percentages.

## Grading Scale

GRADE	PERCENTAGE	GRADE	PERCENTAGE
A	$\geq 93\%$	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	$\leq 59\%$

---

### ATTENDANCE

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. Therefore, regular attendance and participation in each course are minimal requirements.

## Synchronous Class Attendance

For synchronous courses that have specific scheduled meeting times (including in-person, hybrid, and synchronous online courses), absences are counted from the first official meeting of the class regardless of the date of the student's enrollment. For courses with specific attendance requirements, those requirements are outlined in the course syllabus. Students may be warned if a student demonstrates a lack of attendance. After a warning, if absences continue and reach a total of more than twenty percent of the course the student may be de-enrolled from the course without further advance notice to the student.

If the date of de-enrollment is past the last date to withdraw from a course, the student will be assigned a letter grade of "F" or "NC." There are no refunds for courses where a de-enrollment was processed past the last date to withdraw.

A student who registers late must, therefore, be exceptionally careful about regular attendance during the remainder of the course. Registered students who neither attend the first class session nor inform the instructor of their desire to remain in the class may, at the request of the instructor, be removed from the class roster.

Exceptions to the foregoing attendance regulations due to extenuating circumstances beyond the student's control may be granted only by appeal to the Vice Provost for Academic Studies.

Students who anticipate being absent for an entire week of a course should contact the instructor in advance for approval and make arrangements to complete the required coursework and/or alternative assignments assigned at the discretion of the instructor. Acceptance of late work is at the discretion of the instructor and does not waive attendance requirements.

Students may be warned if they demonstrate a lack of academic activity. After a warning, students who miss more than one week of academic activity without prior approval and arrangements with the instructor may be de-enrolled or withdrawn from a course. If the date of de-enrollment is past the last date to withdraw from a course, the student will be assigned a letter grade of "F" or "NC." There are no refunds for courses where a de-enrollment was processed after the last date to withdraw from a course.

## LATE ASSIGNMENTS

- All assignments are to be submitted by the due date and time listed.
- 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 further policy information.

During the first week of class, you will be asked to submit an Academic Honesty Verification Statement. Submitting the statement is a requirement of this course. By submitting the Academic Honesty Verification Statement, you will be verifying all assignments completed in this course were completed by you. Carefully review the Academic Honesty Statement below.

Statement: "In submitting this form, I am verifying all the assignments in this course will be completed by me and will be my own work."

## **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](mailto:EAC@pointloma.edu) or 619-849-2486). Once a student's eligibility for 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**

PLNU strives to be a place where you grow as a whole person. To this end, we provide resources for our graduate students to encounter God and grow in their Christian faith. You'll find faith integration activities throughout this course. In addition, there are resources for your Christian faith journey available on the [Graduate Student Life](#) webpage. At the Balboa Regional Center, College of Health and Sciences, Rev. Kevin Portillo, M.Div. serves as Graduate Chaplain. If you have questions, have a desire to meet, or share a prayer request with Rev. Portillo, you can contact him directly at [kevinportillo@pointloma.edu](mailto:kevinportillo@pointloma.edu)

## **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.

## **LANGUAGE AND BELONGING**

Point Loma Nazarene University faculty are committed to helping create a safe and hospitable learning environment for all students. As Christian scholars, we are keenly aware of the power of language and believe in treating others with dignity. As such, our language must be equitable, inclusive, and prejudice-free. Inclusive/Bias-free language is the standard outlined by all major academic style guides, including MLA, APA, and Chicago, and it is the expected norm in university-level work. Good writing and speaking do not use unsubstantiated or irrelevant generalizations about personal qualities such as age, disability, economic class, ethnicity, marital status, parentage, political or religious beliefs, race, gender, sex, or sexual orientation. Inclusive language also avoids using stereotypes or terminology that demeans persons or groups based on age, disability, class, ethnicity, gender, race, language, or national origin. Respectful use of language is particularly important when referring to those outside of the religious and lifestyle commitments of those in the PLNU community. By working toward precision and clarity of language, we mark ourselves as serious and respectful scholars, and we model the Christ-like quality of hospitality.

You may report an incident(s) using the [Bias Incident Reporting Form](#).

## **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](mailto:counselingservices@pointloma.edu) or find a list of campus pastors at the [Title IX Office | Get Help Now](#)



## USE OF TECHNOLOGY

To be successful in this course, 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.*

## GPS Academic Resources

PLNU offers the following free academic resources virtually for Graduate Professional Studies (GPS) Students. Visit myPLNU through the links below for more information.

- [The GPS Writing Center](#) offers:
  - **Zoom Writers Workshops** offered each quad a variety of helpful topics
  - **One-to-one appointments** with the Writing Coach
  - **Microlearning YouTube Video Library** for helpful tips anytime
- [Research Help Guide](#) to help you start your research
  - The physical office is located on the third floor of the [Mission Valley Regional Center](#) off the student lounge
- [Academic Writing Resources Course](#): Found on your Canvas Dashboard, this course is non-credit with 24/7 access, no time limits, and self-paced



content. [Watch a quick video run-through](#) now to explore!

and take time

- [Tutoring](#): Students have access to 24/7 live or scheduled subject tutoring through Tutor.com, including a Paper Drop-Off Service with feedback within 12 hours.

We are here to support you! Contact us anytime: [GPSWritingCenter@pointloma.edu](mailto:GPSWritingCenter@pointloma.edu)

## ASSIGNMENTS AT-A-GLANCE

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