



COLLEGE OF HEALTH SCIENCES

ATR6015 - Therapeutic Agents (2 Units)

ATR6015L - Therapeutic Agents Lab (1 Unit)

Course Information

Monday

Lecture: 8:00am - 9:50am

Lab: 10:00am - 12:30pm

Balboa Regional Center, Room TBD

Fall 2021

INSTRUCTOR INFORMATION



Instructor: Ryan Nokes, PhD, ATC, CNC

Email: rnokes@pointloma.edu

Office Hours: By appointment only.

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

ATR6015

This course aims to provide you with in-depth study and eventual mastery of the knowledge and skills you will need as a health professional to apply the appropriate therapeutic modalities based on the recent evidence to treat musculoskeletal pathologies in an athletic population. Students will learn how to select and apply the following therapeutic modalities based on sound judgment and evidence: Thermal Modalities, Electrical Modalities, Therapeutic Ultrasound, Manual Therapies, Biofeedback.

ATR 6015 Lab

This course is designed to allow students to apply and integrate their didactic knowledge during a laboratory setting. Students will learn to apply all of the therapeutic agents learned in class to patients

in clinical settings.

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)

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

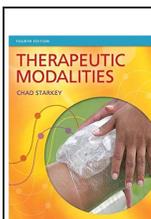
1. Demonstrate competency in interpreting evidence-based research and improving clinical standards and practice through clinical question development and research methodology.
2. Develop expertise in the athletic training domains through an integrative experiential clinical model.
3. Demonstrate the appropriate knowledge and educational foundation required for an entry-level Certified Athletic Trainer.
4. Establish and understand the importance of inter-professional relationships, while collaborating with other health care professionals to become effective communicators.
5. Demonstrate preparation, knowledge and skill in the delivery of comprehensive healthcare to a diverse set of patients with musculoskeletal injuries and conditions and illnesses in a distinctly moral and ethical manner, integrating Christian faith with clinical practice.

COURSE LEARNING OUTCOMES (CLO)

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

1. Critically evaluate and appraise the evidence as it relates to therapeutic modalities.
2. Utilize various therapeutic modalities to treat musculoskeletal injuries.
3. Implement the appropriate parameters, settings, and indications/contraindications for the therapeutic modalities learned in this course.
4. Be proficient in the clinical application of therapeutic modalities.

REQUIRED TEXT & RECOMMENDED RESOURCES



Therapeutic Modalities, 3rd Edition

Chat Starkey

COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 2-unit (lecture) and 1-unit (lab) class delivered over 15 weeks. Specific details about how the class meets the credit hour requirement can be provided upon request.

ASSESSMENT AND GRADING

Grade Scale (Percentage)

A	B	C	D	F
A 93-100	B+ 87-89	C+ 77-79	D+ 67-69	F ≤ 59
A- 90-92	B 83-86	C 73-76	D 63-66	
	B- 80-82	C- 70-72	D- 60-62	

Students must complete the required program hours in the major (program) from Point Loma Nazarene University with a minimum grade of “C” in each course and an overall 2.00 grade point average.

Grading System

Traditional letter grades (A, B, C, D, F) including plus and minus grades are used to indicate the level of scholarship earned for each course. Except for the correction of an error, all traditional letter grades are final at the conclusion of the academic term. Once the degree has been posted on the student’s official transcript, no change of grade action is allowed for courses leading to the degree. The grade of C is the lowest grade acceptable for graduate credit.

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. We have an onsite chaplain, Rev. Gordon Wong, at the Mission Valley (MV) campus to service Graduate students at the Mission Valley and Balboa Campuses. Rev. Gordon Wong is available during class break times across the week. If you have questions for, desire to meet or share a prayer request with Rev. Wong you can contact him directly at mvchaplain@pointloma.edu or gordonwong@pointloma.edu. Rev. Wong’s cell number is 808-429-1129 if you need a more immediate response.

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.

ACADEMIC HONESTY

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.

PLNU ATTENDANCE AND PARTICIPATION POLICY

Regular and punctual attendance at all **synchronous** class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions (virtual or face-to-face), 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 Graduate and Professional Studies 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.

Face-to-Face Courses

Regular and punctual attendance at all classes is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member can file a written report which may result in 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. See **Academic Policies** in the Graduate and Professional Studies Catalog for additional detail.

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 require 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.