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|  | **COLLEGE OF HEALTH SCIENCES**<br><br>ATR6015 - Therapeutic Agents (2 Units)<br><br>ATR6015L - Therapeutic Agents Lab (1 Unit)<br><br>**Course Information**<br><br>Monday<br><br>Lecture: 8:00am - 9:50am<br><br>Lab: 10:00am - 11:30am<br><br>Balboa Regional Center, Room 152 |
| **Fall 2023** | |

**INSTRUCTOR INFORMATION**

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|  | **Instructor:** Ryan Nokes, PhD, ATC, CSCS<br><br>**Email:** rnokes@pointloma.edu<br><br>**Office Hours:** appointments 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 and manual therapies 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, Manual Therapies, etc.

### 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.

### PROGRAM LEARNING OUTCOMES (PLO)

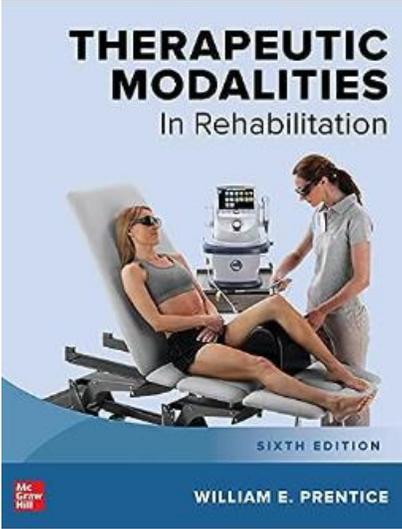The Point Loma Nazarene University MS-AT graduate will be able to:

1. Demonstrate the knowledge and skills required to become a certified athletic trainer.
2. Critically evaluate and integrate the best available evidence for clinical decision making.
3. Deliver new evidence that is intended to change clinical practice to various healthcare communities through scholarly research presentations and symposiums.
4. Describe the importance of collaborating with multiple healthcare professionals and diverse patient populations to improve patient care.
5. Demonstrate preparedness for their vocation and calling.

### 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. Demonstrate proficiency in the clinical application of therapeutic modalities.

## REQUIRED TEXT & RECOMMENDED RESOURCES

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|  | [Therapeutic Modalities in Rehabilitation, 6th Edition](#)<br><br>William Prentice |

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

## ASSESSMENT AND GRADING

| Course Assignment Distribution | Grade Scale | |
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| <ul><li>Quizzes: 25 - 50 pts</li><li>Student Presentations: 100 pts</li><li>Lab Practicals: 150 pts</li><li>Labs: 250 pts</li><li>Exams: 300 pts</li></ul> | A = 93-100<br>A- = 92-90<br>B+ = 87-89<br>B = 83-86<br>B- = 80-82<br>C+ = 77-79 | C = 73-76<br>C- = 70-72<br>D+ = 67-69<br>D = 63-66<br>D- = 60-62<br>F = 0-59 |

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.

## INCOMPLETES AND LATE ASSIGNMENTS

All assignments are to be submitted/turned in by the beginning of the class session when they are due—including assignments posted in Canvas.  Incompletes will only be assigned in extremely unusual circumstances.

## PLNU SPIRITUAL CARE

PLNU strives to be a place where you grow as whole persons. To this end we provide resources for our graduate students to encounter God and grow in their Christian faith. At the Balboa campus we have an onsite chaplain, Rev. Kevin Portillo who is available during class break times across the week. If you have questions, desire to meet with Rev. Portillo or prayer requests you can contact him directly at [KevinPortillo@pointloma.edu](mailto:KevinPortillo@pointloma.edu).

## 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

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 Graduate Academic and General Policies for definitions of kinds of academic dishonesty and for further policy information.

## ARTIFICIAL INTELLIGENCE (AI) POLICY

You are allowed to use Artificial Intelligence (AI) tools (e.g, ChatGPT, iA Writer, Marmot, Botowski) to generate ideas, but you are not allowed to use AI tools to generate content (text, video, audio, images) that will end up in any work submitted to be graded for this course (unless otherwise permitted). If you have any doubts about using AI, please gain permission from the instructor.

## 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.

## LANGUAGE & 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, it is important that our language 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 FormLinks to an external site..

## SEXUAL MISCONDUCT & DISCRIMINATION

In support of a safe learning environment, 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 accommodations and resources are available through the Title IX Office at pointloma.edu/Title-IX. Please be aware that under Title IX of the Education Amendments of 1972, faculty and staff are 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 pointloma.edu/title-ix.

## PLNU ATTENDANCE AND PARTICIPATION POLICY

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. 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 withdrawal date or, after that date, receive an "F" grade. 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. Refer to Academic Policies for additional detail.

## Synchronous Attendance/Participation Definition

For synchronous courses which 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.

## 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.