

The University Of Toledo

Existing Graduate Course Modification Form

* denotes required fields

Contact Person*: Neal Glaviano Phone: 530-4501 (xxx - xxxx) Email:
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Present

Supply all information asked for in this column.
(Supply core, research intensive and transfer module info if applicable)

College*: College of Health and Human Service ▼

Dept/Academic Unit*:

School of Exercise and Rehabilitation Sciences ▼

Course Alpha/Numeric*: KINE -
6670

Course Title:

Pathomechanics of Musculoskeletal Injury

Credit hours: Fixed: 3 or Variable: to

CrossListings:

KINE 8670

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Proposed

Fill in appropriate blanks only where entry differs from first column.

College: --Select a College-- ▼

Dept/Academic Unit: --Select a Department-- ▼

Course Alpha/Numeric: -
-

Course Title:

Pathology of Orthopedic Injury

Credit Hours: Fixed: or Variable: to

CrossListings:

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Catalog Description (*only if changed*) 75 words max: **Catalog Description** (*only if changed*) 75 words max:

An in-depth investigation into the basic structure and mechanisms of injury of various musculoskeletal tissue applied to the recognition and prevention of specific orthopedic injuries and conditions.

Has course content changed? Yes No

If course content is changed, give a brief topical outline of the revised course below(less than 200 words)

Proposed effective term*: (e.g. 201140 for 2011 Fall)

File Type	View File
Syllabus	View

List any course or courses to be deleted.

Effective Date: 








Effective Date: 

Comments/Notes:

Rationale:

Reason for Change: This course name has been modified to allow for more robust discussion of advanced orthopedic injuries that are not specific to pure pathomechanics. The ability to include additional concepts about these injuries provides a greater breadth of knowledge to our graduate students.

Approval:

Department Curriculum Authority:	<input type="text" value="Beth Ann Hatkevich"/>	 Date	<input type="text" value="2017/01/26"/>
Department Chairperson:	<input type="text" value="Ruthie Kucharewski"/>	 Date	<input type="text" value="2017/01/27"/>
College Curriculum Authority or Chair:	<input type="text" value="Eric Longsdorf"/>	 Date	<input type="text" value="2017/02/27"/>
College Dean:	<input type="text" value="Barry W. Scheuermann"/>	 Date	<input type="text" value="2017/02/27"/>
Graduate Council:	<input type="text" value="Constance schall, GC mtg 4/18/17"/>	 Date	<input type="text" value="2017/04/19"/>
Dean of Graduate Studies:	<input type="text" value="Amanda C. Bryant-Friedrich"/>	 Date	<input type="text" value="2017/05/01"/>
Office of the Provost :	<input type="text"/>	 Date	<input type="text"/>

Administrative Use Only

Effective Date:  (YYYY/MM/DD)

CIP Code:

Subsidy Taxonomy:

Program Code:

Instructional Level:

Registrar's Office Use Only

Processed in Banner on: 

Processed in Banner by:

Banner Subject Code:

Banner Course Number:

Banner Term Code:

Banner Course Title:

Pathology of Orthopedic Injury
KINE 6670, CRN#
University of Toledo
College of Health & Human Services
School of Exercise & Rehabilitation Sciences

Instructor: ATP Faculty
Email:
Office Location:
Office Hours:

Class Location:
Class Day/Time:
Credit Hours: 3
Offered:
Office Phone:

CATALOG/COURSE DESCRIPTION

An in-depth investigation into the basic structure and mechanisms of injury of various musculoskeletal tissue applied to the recognition and prevention of specific orthopedic injuries and conditions.

PREREQUISITES AND COREQUISITES

Admission to Post Professional Athletic Training program or instructor permission

RECOMMENDED INSTRUCTIONAL MATERIALS

Relevant journal articles will be provided to the class

STUDENT LEARNING OUTCOMES:

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

Objective 1: Gain an improved understanding of the pathophysiology of specific musculoskeletal tissue types

Objective 2: Appreciate the inter-related nature of specific musculoskeletal tissue types, and contribution of each to normal and pathological human movement

Objective 3: Gain an improved understanding of human biomechanics and pathomechanics of common musculoskeletal injuries

UNIVERSITY POLICIES

Policy Statement on Non-Discrimination on the basis of Disability: The University of Toledo is an equal opportunity educational institution. Please read The University's Policy Statement on Nondiscrimination on the Basis of Disability- American's with Disability Act Compliance. The statement can be found at:

https://www.utoledo.edu/policies/administration/diversity/pdfs/3364_50_03_Nondiscrimination_o.pdf

Academic Accommodations: The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments to this course please contact the Student Disability Services Office (studentdisabilitysvs@utoledo.edu , 419-530-4981, Rocket Hall Room 1820). Students receiving accommodations are encouraged to discuss this with me after class or during my office hours, so that I may be better informed on how to assist you during the semester.

Statement of Diversity and Inclusion: In concert with the University of Toledo's values and expectations, the faculty of the School of Exercise and Rehabilitation Sciences upholds the ideas and goals pledged by the University to respect and value personal uniqueness and differences. Specifically, College faculty will foster an environment of inclusion in all their curricular and extra-curricular activities, work to challenge stereotypes, and to promote sensitivity toward diversity.

All students enrolled in this course will be expected to be considerate of the thoughts and ideas of others, promote a collaborative and supportive educational environment, and treat every individual with dignity and respect regardless of gender, race/ethnicity, religion, sexual orientation, impairment(s)/disability(ies), political views, and other element(s) of uniqueness.

SAFETY AND HEALTH SERVICES FOR UT STUDENTS

There are various safety and health services available to you. Visit the following link for more information:

<http://www.utoledo.edu/offices/provost/utc/docs/CampusHealthSafetyContacts.pdf>

ACADEMIC SUPPORT SERVICES

The University offers resources such as the Learning Enhancement Center and the Counseling Center to assist in your academic success.

Learning Enhancement Center: 419-530-2176, Carlson Library B0200

Counseling Center: <http://www.utoledo.edu/studentaffairs/counseling/new.html>; 419-530-2426, Rocket hall 1810

ACADEMIC POLICIES

Academic Dishonesty: Academic dishonesty will not be tolerated in this course per University of Toledo's policy on academic dishonesty. The policy can be found at:

http://www.utoledo.edu/catalog/2000catalog/admissions/academic_dishonesty.html

University Add/Drop/Withdraw Policy: Students should refer to the University of Toledo Registrar's Office for more information and dates. <http://www.utoledo.edu/offices/registrar/registration.html>

Attendance: Students are expected to be present and on time to every class. The University's Missed Class Policy can be found at http://www.utoledo.edu/facsenate/missed_class_policy.html. Excused absences will be permitted for personal emergencies (illness), religious observances, participation in University-sponsored activities, or government-required activities (military service or jury duty). It is the student's responsibility to inform the instructor ahead of time about missing class (via e-mail, telephone, or in person). Exams cannot be made up except in the event of extreme emergency or hardship or if prior notification is given to the instructor. In the event of a medical excuse, the student will have to have medical documentation. In the event of a death of a family member, documentation from the funeral home will be required. Missed exams must be taken within one week. Make up work needs to be approved by the course instructor. If a student misses an exam or quiz and fails to inform the instructor prior to the exam, the student will receive a zero for that exam grade.

Students are responsible for all material covered in classes they miss, even if their absences are excused. Students must make arrangement with instructors to complete missed assignments, labs, examinations and other course requirements. In turn, instructors are not to penalize students with excused absences.

COURSE EXPECTATIONS

Professional Behavior:

Students are expected to demonstrate a professional appearance and attitude for all classes. Students are expected to conduct themselves as professionals and to demonstrate respect for the course instructor and peers by demonstrating behavior that is conducive to a positive learning environment. Students are expected to be on time to and present for each class session. Cell phone use (verbal conversations, texting, email, internet, etc.) is prohibited during class, unless approved by the instructor prior to the start of class. Laptops and other electronic devices may be used during class, but for only class related purposes. The personal device conduct policy is further described below. All assignments are to be completed and turned in on time. Late assignments will result in a reduced grade or a 0 as determined by the instructor's discretion.

Personal Electronic Device Policy

It is critical that all students are fully engaged in the course content during class. Use of personal electronic devices including cell phones and laptop computers during the course for non-academic reasons is strictly prohibited. Use of cell phones for any purpose is prohibited at all times. The only reason that a laptop is allowed to be used is to look at online course content such as readings or slides that have been posted on the course Blackboard site and are relevant to the current course activity. Any other use of your laptop, including but not limited to social networking sites, checking email, instant messaging, web browsing, and looking at materials for other courses, is strictly prohibited. If the instructor suspects that you are using your computer for purposes other than those allowed above, he/she will simply ask you what you are doing. If you have violated the Personal Electronic Device Policy, the following will occur: 1) you will be asked to leave class that day, and 2) the first offense will result in your semester grade being reduced one 1/2 letter grade (for example, from "A" to "A-". If a second offense occurs, your semester grade being reduced one full letter grades (for example, from "A" to "B".

Worksheets: There will be 4 worksheets given as either in-class or out of class assignments. The instructor will specify whether group or individual work is expected for each.

Quizzes and Exams: There will be 4 announced quizzes. All quizzes are cumulative, but will focus on recent material. All materials presented in class and in the assigned readings will be 'fair game' for the exam. Each exam is cumulative. All reasonable attempts must be made to attend class on days when quizzes/ examinations will be given. Should a student be unable to attend, it is their responsibility to communicate with the course instructor about completing the assignment.

Project: Students will be required to research and present on a topic relative to course material in groups of 2. Topics may include, but are not limited to: investigating the pathomechanics of a particular orthopaedic condition or injury, or investigating the influence of a particular therapeutic intervention on tissue healing. Additional details will be provided by the instructor.

Project Outline

Students are asked to prepare a presentation related to a specific orthopedic injury or condition, with the primary goal of strengthening the clinical skill set through an increased breadth and depth of understanding of injury mechanics, as well as the importance of building sound plans of care based on underlying physiological and biomechanical concepts. Through an exploration of specific features, students are to draw connections between clinical practice and pathomechanical concepts discussed throughout the semester.

Students will work in groups of 2. Presentations may be created using a variety of audio and visual media, including Powerpoint, Prezi, video recordings, real/fabricated data, Excel, etc. (go crazy) and should be 15 and will include 5 minutes of questions.

Key Points to Address:

1. Pertinent "healthy" biomechanics
 - a. The basics
2. Injury/ condition
 - a. Description
 - b. Etiology/ MOI
 - c. Tissues affected
3. Resulting pathomechanics
 - a. Key changes in movement patterns, kinematics, kinetics, postural control, gait, etc.
 - b. Physiological underpinnings of 'mal' adaptations
 - c. How were they measured? (i.e. instrumentation and/ or clinical assessment)
 - d. Clinical implications
4. Intervention
 - a. Purpose
 - b. Explanation of therapeutic treatment/ intervention
 - c. Role/ consideration of tissue-specific healing and biomechanical properties
 - d. Evidence of efficacy

Overview of Course Grade Assignments:

The student's final grade will be based on the cumulative total number of points from each of the following evaluation techniques:

<u>Item</u>	<u>Points</u>	<u>Percentage of Grade</u>
Midterm Exam	100	22%
Final Exam	150	34%
Quizzes (25 points each)	100	22%
Worksheets (10 points each)	40	9%
Group Project	60	13%
Total Points:		450

Grading scale:

The standard grading scale (A to F) will be used to assign final course grades. **Graduate students must receive a C or above for course credit.**

A	95 to 100%	C	74 to 76%
A-	90 to 94%	C-	70 to 73%
B+	87 to 89%	D+	67 to 69%
B	84 to 86%	D	64 to 66%
B-	80 to 83%	D-	60 to 63%
C+	77 to 79%	F	< 59%