The University Of Toledo

New Graduate Course Proposal

1. College: HE
   Department: KINE
2. Contact Person: Sophie Lalande  Phone: 530-2691  Email:
3. Alpha/Numeric Code (Subject area - number): KINE - 6430
4. Proposed title: Environmental Physiology
   Proposed effective term: 201540
5. Is the course cross-listed with another academic unit? N
   Approval of other academic unit (signature and title)
   Is the course offered at more than one level? Y
   If yes, an undergraduate course proposal form must also be submitted. If the undergraduate course is new, complete the New Undergraduate Course Proposal; if the undergraduate course is existing, submit an Undergraduate Course Modification Proposal.
6. Credit hours: Fixed: 3 or Variable: to
7. Delivery Mode:
   a. Activity Type  Primary  Secondary  Tertiary
      Lecture
   b. Minimum Credit Hours
      Maximum Credit Hours
      3
   c. Weekly Contact Hours
      3
8. Terms offered: Fall
   Years offered: Every Year
9. Are students permitted to register for more than one section during a term? N
   May the courses be repeated for credit? Y
10. Maximum Hours
11. Grading System: Grade Only
12. Prerequisites (must be taken before): i.e. C or higher in (BIOE 4500 or BIOE 5500) and C or higher in MATH 4200
   Co-requisites (must be taken together):
12. Catalog Description
   Physiological responses and adaptations to extreme environments.
   Justification for similar requirements for KINE 6430 and KINE 8430 Requirements for both KINE 6430 and KINE 8430 will be the same. This course is partly designed to stimulate
   Comments/Memo: students through journal club-style lectures where students are required to present and discuss
   research in environmental physiology. A higher level of participation will be expected from
   the PhD students, and they will be graded accordingly.
Rationale:

https://curriculumtracking.utoledo.edu/PrintGradNewCourse.aspx?ID=KINE6430
Environmental Physiology

The University of Toledo
College of Health Sciences
KINE 6430/8430
3 Credit Hours

Instructor: Sophie Lalande
Office Hours: Monday 1-3 pm
Office Location: HH 2505F
Office Phone: 419-530-2691
Email: sophie.lalande@utoledo.edu

Term: Fall 2015
Class Location/Times: HH / Wed 2-4:30 pm
Lab Location/Times: None
Course Website: Blackboard Learn
Instructor’s Website: None

COURSE/CATALOG DESCRIPTION
Physiological responses and adaptations to extreme environments.

COURSE OVERVIEW
The purpose of this course is to provide students with an understanding of the responses and adaptations of the cardiovascular and pulmonary systems to different environments such as altitude, heat stress, cold, diving, hypergravity and microgravity. Students will also be exposed to the current research being performed in the field of environmental physiology.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to:
1. Describe physiological responses to altitude, heat, cold, diving, +Gz forces and microgravity.
2. Describe physiological adaptations to altitude, heat and microgravity
3. Use critical thinking when discussing current research in environmental physiology

TEACHING STRATEGIES
This course is designed to stimulate students through standard lectures encouraging continuous questions from the students and incorporating collaborative activities, as well as through journal club-style lectures where students are required to present and discuss research in environmental physiology. Fifteen on-campus meetings will be required for this course (7 lectures, 6 journal-club style classes, 1 midterm and 1 final exam class).

WORKWEEK
All assigned work (lecture preparation, reading of articles and preparation of presentations) for any week is to be completed before the class on Wednesday. The materials for each week will be posted at the beginning of the semester under the appropriate lecture folder.

PREREQUISITES
None

TECHNICAL SKILLS
To succeed in this course, it will be important for learners to possess the following technical skills:
1. Create, edit, and format presentation documents.
2. Locate and access information using a web search engine.
REQUIRED TEXTS AND MATERIALS
There is no required textbook for this course. All powerpoint presentations and articles required for this course will be on posted on Blackboard.

RECOMMENDED TEXTS AND MATERIALS

TECHNOLOGY REQUIREMENTS
Browser Check Page
Students need to have access to a properly functioning computer throughout the semester. The Browser Check Page will enable you to perform a systems check on your browser, and to ensure that your browser settings are compatible with Blackboard, the course management system that hosts this course.

Software
Student computers need to be capable of running the latest versions of plug-ins, recent software and have the necessary tools to be kept free of viruses and spyware. The computer needs to run the following software, available in the Online Learning Download Center.

- Adobe Acrobat Reader
- Mozilla Firefox Browser - Recommended

Internet Service
High-speed Internet access is recommended as dial-up may be slow and limited in downloading information.

Use of Public Computers
A list and schedule for on-campus computer labs is available on the Open Lab for Students webpage.

UT Virtual Labs
Traditionally, on-campus labs have offered students the use of computer hardware and software they might not otherwise have access to. With UT’s Virtual Lab, students can now access virtual machines loaded with all of the software they need to be successful using nothing more than a broadband Internet connection and a web browser. The virtual lab is open 24/7 and 365 days a year at VLAB: The University of Toledo's Virtual Labs.

COURSE POLICIES
Attendance for all classes and exams is mandatory. This policy provides for basic protections and reasonable accommodations for students who miss class with excused absences. Only in specific, unavoidable situations does the University excuse absences from class: 1) personal emergencies, including, but not limited to, illness of the student or of a dependent of the student [as defined by the Board of Trustees’ Policy on Family and Medical Leave], or death in the family; 2) religious observances that prevent the student from attending class; 3) participation in University-sponsored activities, approved by the appropriate University authority, such as intercollegiate athletic competitions, activities approved by academic units, including artistic performances, R.O.T.C. functions, academic field trips, and special events connected with coursework; 4) government-required activities, such as military assignments, jury duty, or court appearances; and 5) any other absence that the professor approves.

Students are responsible for complying with the missed class policies of their instructors. Students bear the responsibility of notifying the instructor of a planned absence. In the event of an emergency or an unavoidably short notice of absence, the student must present the instructor with an approved written excuse upon the student’s return to class. Approved written excuses will be at the instructor’s discretion, including, but not limited to, doctor’s notice, funeral programs, etc. It is strongly recommended that the student use two of the three aforementioned methods (email, writing, or voicemail) to insure that the instructor is properly notified of the planned absence. In the event that the instructor should not receive the student’s notification, the student should
be prepared to present an alternative excuse. It will be at the instructor’s discretion to approve or disapprove of the alternative excuse.

Students are responsible for all material covered in classes they miss, even when their absences are excused as defined above. Students must make arrangements with instructors to complete missed assignments, or other course requirements. In turn, instructors are not to penalize students with excused absences.

**Cell Phones** must be off and out of site during class time. Anyone caught using their phone without instructor permission will be asked to leave the class.

**Policy Statement on Academic Dishonesty**

Academic dishonesty will not be tolerated. Please read [The University’s Policy Statement on Academic Dishonesty](#). Students are responsible for following the University’s guidelines regarding plagiarism and academic dishonesty. Students that violate these policies may automatically receive a grade of “F” and may be subject to other disciplinary procedures by Department of Kinesiology, the College of Health Sciences and/or the University of Toledo.

**Copyright Notice**

The materials in the course website are only for the use of students enrolled in this course for purposes associated with this course, and may not be retained or further disseminated.

**GRADING POLICIES**

Student work will be assessed as follows. Specific guidelines, grading criteria, and a timeframe for grades and feedback will be provided as each assignment is announced:

<table>
<thead>
<tr>
<th>Assignments/Assessments</th>
<th>Total Points</th>
<th>% of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm Exam</td>
<td>100</td>
<td>30%</td>
</tr>
<tr>
<td>Journal club presentation</td>
<td>30</td>
<td>30%</td>
</tr>
<tr>
<td>Final exam</td>
<td>30</td>
<td>30%</td>
</tr>
<tr>
<td>Participation in all journal club-style lectures</td>
<td>10</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
<td></td>
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</tbody>
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Make-up tests will not be permitted unless arrangements are discussed and approved well before the required exam date. The instructor commits to providing grades in the class following the Midterm exam, and to provide personal feedback to students following their journal club presentations during office hours.

The grading scale for this course is as follows:

- A = 90 - 100%
- B = 80 - 89%
- C = 70 - 79%
- D = 60 - 69%
- F = < 59%

**AMERICANS WITH DISABILITIES ACT**

The Americans with Disabilities Act (ADA) requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. In accordance with the ADA and university policy, if you have a documented disability and require accommodations to obtain equal access in this course; please contact the instructor at the beginning of the semester to discuss any necessary accommodations. Please contact Student Disability Services for verification of eligibility at 419-530-4981 (voice) or 419-530-2612 (TDD).
COMMUNICATION GUIDELINES

Email:
Students are expected to check their UT email account frequently for important course information. This class is being taught for you, so if you are having trouble understanding any aspect of it, please let me know. I am here to help, and will do my best to respond to email within 24 to 48 hours.

Discussion:
In this course, participation is vital to your success, and your active engagement during weekly discussion is crucial to learning.

TECHNICAL SUPPORT

**If you encounter technical difficulties with Blackboard, please contact the UT Online Help Desk** at (419) 530-8835 or utdl@utoledo.edu. The Help Desk offers extended hours in the evenings and on weekends to assist students with technical problems. When calling after hours, leave a detailed message, including your Rocket Number and phone number, and an Online Learning staff member will respond on the next business day.

**Technical questions related to on-campus Internet access, virtual labs, hardware, software, personal website hosting, and UTAD account management can be directed to UT's IT Help Desk** at (419) 530-2400 or ithelpdesk@utoledo.edu.

LEARNER SUPPORT

The University of Toledo offers a wide range of academic and student support services that can help you succeed:

**eTutoring Services**
The Ohio eTutoring Collaborative, in partnership with The University of Toledo, now provides online tutoring support for all UT students. eTutoring Services are offered in a wide array of subjects, including Writing, Math, Calculus, Statistics, Accounting, Biology, Chemistry, and Anatomy and Physiology.

**eLibrary Services Portal**
The eLibrary is a customized gateway to UT Libraries for online students. It was designed to help you locate the best online library resources without leaving Blackboard.

**Student Disability Services**
Student Disability Services provides accommodations and support services to students with disabilities.

**Counseling Center**
The Counseling Center is the university's primary facility for personal counseling, psychotherapy, and psychological outreach and consultation services. The Counseling Center staff provide counseling (individual and group), mental health and wellness programming, and crisis intervention services to help students cope with the demands of college and to facilitate the development of life adjustment strategies.