

# APPROVED

## The University Of Toledo

### New Course Proposal

Administrative Use Only (rev. 9/2011)		
Code:		
Approved (senate or grad council)		
Effective Date:     /     /     (mm/dd/yyyy)		
CIP Code:		
Sub:	Prog:	Level:

Level (check one): <input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Will this course impact program requirements? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *If Yes, a Program Modification must be completed.
Type of course (check all that apply): <input checked="" type="checkbox"/> Academic Skills Enhancement <input type="checkbox"/> Writing Intensive (WAC) <input type="checkbox"/>
Honors <input type="checkbox"/> Univ. Core: <input type="checkbox"/> English <input type="checkbox"/> Hum <input type="checkbox"/> Math <input type="checkbox"/> Nat. Sciences <input type="checkbox"/> Social Sciences Multicultural: <input type="checkbox"/> Diversity of US Culture <input type="checkbox"/> Non-US Culture <input type="checkbox"/> Transfer module: <input type="checkbox"/> Arts&Hum <input type="checkbox"/> Engl <input type="checkbox"/> Math <input type="checkbox"/> Nat. Sci & Phys <input type="checkbox"/> Soc Sci

College: JHCEHSHS	Dept: Kinesiology
Contact Person: Barry Scheuermann	Phone: 419-530-2692
Email: barry.scheuermann@utoledo.edu	

Alpha/Numeric Code (Subject area-number): KINE 6460 If this is a renumbering, please request an electronic copy of the old course approval through the Register's Office at x4865, and attach it to form.	
Proposed title: Readings in Cardiovascular Physiology	Proposed effective term: Fall 2012
Planned enrollment per section: 12	Per term: 12
Is the course cross-listed with another academic unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the course offered at more than one level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If yes to either question, please list additional Alpha/Numeric codes, and submit a separate New Course form or Course Modification form for the course(s) referenced below.</i>	
a. KINE - 8460	b.     -     c.     -
Approval of other academic unit(signature): _____	
Name and title: N/A	
If course is to be offered at more than one level, attach an explanation of the different requirements that students must meet for each level. If the requirements are the same for each level, justification must be provided.	

<b>Credit hours:</b>	<b>Fixed: 3</b>	or	<b>Variable:</b>
<b>Delivery Mode:</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>
<b>Activity Type:</b>	Seminar	Select One	Select One
<b>Minimum Credit Hours:</b>	3		
<b>Maximum Credit Hours:</b>	3		
<b>Weekly Contact Hours:</b>	3		

**Terms offered:**    Fall    Spring    Summer

**Years offered:**    Every Year    Alternate Years

**Are students permitted to register for more than one section during a term?**    Yes    No

**May the courses be repeated for credit?**    No    Yes      **Maximum Hours:** no limit

<b>Grading System</b>	<b>Undergraduate</b>	<b>Graduate</b>
	<input type="checkbox"/> Normal Grading (A-F, PS/NC, PR, 1) <input type="checkbox"/> Passing Grade/No Credit (A-C, NC) <input type="checkbox"/> Credit/No Credit <input type="checkbox"/> Grade Only (A-F, PR, I) <input type="checkbox"/> Audit Only <input type="checkbox"/> No Grade	<input type="checkbox"/> Normal Grading (A-F, PS/NC, PR, 1) <input type="checkbox"/> Grades Only (A-F) <input checked="" type="checkbox"/> Satisfactory/Unsatisfactory (G only) <input type="checkbox"/> Audit Only <input type="checkbox"/> No Grade

**Prerequisites (must be taken before):**

a. KINE - 6100      b. -      c. -

PIN (Permission From Instructor)       PDP (Permission From Department)

**Co-requisites (must be taken together):**

a. -      b. -      c. -

**If course is to replace an existing, course(s) will be deleted, and when should that deletion occur?**

<b>Course to be removed from inventory</b>	<b>Final Term to be offered (YYYYT. i.e. use 20064 for Fall'06)</b>
a. -	
b. -	
c. -	
d. -	

**Catalog Description (30 words Maximum):**

This is a faculty directed examination of current research in Cardiovascular Physiology. Emphasis is placed on the role of physical activity on the prevention and/or treatment of cardiovascular diseases.

**Attach a copy of a complete outline of the major topics covered.** (Syllabus preferred)

**Where does this course fit in the University/College/Department curriculum?** (Be specific by course level, if applicable). **Indicate prospective demand.**

Although we currently offer a graduate course in advanced cardiopulmonary exercise physiology, there is not enough time to sufficiently focus on the rapidly growing body of original research in this area. The addition of this course will better facilitate the translation of their basic understandings gained in introductory courses to advanced research and scholarly projects. This course would be offered as an elective to any graduate student the Department of Kinesiology.

**If the proposed course is similar to another course in the College or University, please describe the difference and provide a rationale for the duplication.** (If this course duplicates material covered in another course within your department or college or in another college, attach a letter of endorsement from that area's dean and department chairperson indicating their support. Clarify the manner in which this course will differ).

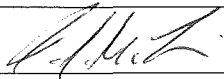



We are not aware of any similar courses currently being offered in any departments across the university.

**If the course is intended to meet a University Undergraduate Core requirement, submit a course syllabus and complete the following:**

**Please explain how this course fulfills the general education guidelines.**

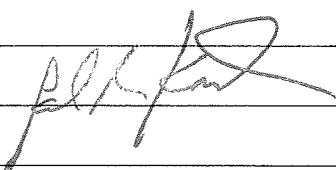
N/A

**COURSE APPROVAL:**

	<b>Signature</b>	<b>Date</b>
Department Curriculum Authority:		3/20/2012
Department Chairperson:		3/20/2012
College Curriculum Authority:		4-23-12
College Dean:		4-24-12

After college approval, submit the original signed form to the Faculty Senate (UH3320) for undergraduate-level courses; for graduate-level courses submit the original signed form to the Graduate School (UH3240). For undergraduate/graduate dual-level courses, submit the proposals to each office.

	<b>Signature</b>	<b>Date</b>
Faculty Senate Undergrad. Curriculum Comm. :		

Faculty Senate Core Curriculum Comm. :		
Graduate Council :		
Office of the Provost:		
Registrar's Office:		

**THE UNIVERSITY OF TOLEDO**  
Department of Kinesiology  
KINE 8460 – Readings in Cardiovascular Physiology  
Fall 2012

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**Course Instructor:**

Dr. Barry Scheuermann  
Phone: 530-2692  
Email: [barry.scheuermann@utoledo.edu](mailto:barry.scheuermann@utoledo.edu)  
Office: HH 2305B  
Office hours: T/Th 3:30-5:30 pm (or by appointment)

**Lecture Time and Place:**

HH 2307

**Course Prerequisites and/or Corequisites:**

KINE 8100 Physiology of Exercise

**Suggested Texts:**

There is no required textbook for this class. However, it is highly recommended that students have readily available any of the recommended exercise physiology textbooks that are listed below to supplement the information provided in class.

Exercise Physiology: Theory and Application to Fitness and Performance 6 or 7<sup>th</sup> Ed.  
Scott K. Powers and Edward T. Howley, McGraw-Hill Publishers

Exercise Physiology: Human Bioenergetics and Its Applications. 3<sup>rd</sup> Ed.  
George A. Brooks, Thomas D. Fahey, Timothy P. White, and Kenneth M. Baldwin. Mayfield Publishing.

Required readings will include assigned papers by the instructor and selected readings by students. Required readings will be made available to the students by the instructor throughout the course as PDF (Acrobat reader) files.

**Catalogue Description:**

This is a faculty directed examination of current research in Cardiovascular Physiology. Emphasis is placed on the role of physical activity on the prevention and/or treatment of cardiovascular diseases.

**Course Format:**

Each semester, the course instructor will identify one or two topics in that focus on physical activity and cardiovascular disease. Class meetings will include both formal (including the use of presentation media) and informal (group discussions) presentations by the instructor and students of current original research on the selected area(s).

Potential topics for discussion include:

- i) the role of regular physical activity on endothelial cell function
- ii) the effect of a high fat diet on vascular function
- iii) the benefits of regular exercise on the aging cardiovascular system
- iv) exercise in the prevention of the decline in cardiovascular function in heart failure patients
- v) oxidative stress in cardiovascular disease and atherogenesis
- vi) vascular endothelial growth factor (VEGF) upregulation with exercise
- vii) mechanisms of exercise-induced improvement in various cardiovascular diseases

### **Course Requirements/Expectations:**

1. Regular attendance is required by all students.
2. Students must read the assigned article(s) prior to arriving to class.
3. Students must ask and answer questions during the discussion.
4. Students are required to present on the scheduled dates.
5. During student-lead discussions, the student must be prepared to lead the group discussion by presenting a summary of the original research article and be prepared to ask and answer questions related to the article.
6. Students are required to identify recently published papers in scientific journals within the assigned topic area and have the article approved by the instructor two weeks prior to making the article available to classmates.
7. Academic dishonesty will not be tolerated. Students are to adhere to the "Policy Statement of Academic Dishonesty", which is located in The University of Toledo Student Handbook and reproduced below for your information.

### **Grading:**

Students will be evaluated based upon their attendance, participation in group discussions and their presentations.

Students are required to present a minimum of 2 original research articles each semester. This number may be higher depending on the number of students enrolled in the class.

*In addition to the presentation and group discussion requirements, doctoral students enrolled in this course will also be required to provide a written critique of 10 original research articles each semester and each doctoral student is required to develop and deliver a lecture on an instructor-approved area of exercise cardiovascular physiology.*

Students will be graded: Satisfactory or Unsatisfactory

The course may be repeated for credit multiple times at the graduate level.

### **The University of Toledo Policy Statements**

#### **Expectations of classroom behaviors as stated in various UT policies:**

**Attendance** for all classes and exams is mandatory.

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

**Accessibility and Special needs:** Students who qualify for services approved by the Office of Accessibility are to provide documentation to the instructor the first week of classes.

**Academic Dishonesty** will not be tolerated. Students are to adhere to the "Policy Statement of Academic Dishonesty" located in the University of Toledo Student Handbook.

#### **i) Attendance/Missed Class Policy:**

This policy provides for basic protections and reasonable accommodations for students who miss class with excused absences. Students are expected to attend every class meeting of courses in which they are registered. 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 by one of the methods provided by the instructor. 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, labs, examinations or other course requirements. In turn, instructors are not to penalize students with excused absences.

## **ii) Academic Accommodation/Accessibility Syllabus Statement:**

Below are statements regarding access to academic accommodations that are available for you to include on your syllabus:

1. The University will make reasonable academic accommodations for students with documented disabilities. Students should contact the Office of Accessibility (Rocket Hall 1820; 419.530.4981; [officeofaccessibility@utoledo.edu](mailto:officeofaccessibility@utoledo.edu)) as soon as possible for more information and/or to initiate the process for accessing academic accommodations.

2. If you are registered with the Office of Accessibility, I have received notification regarding your academic accommodations. Please see me as soon as possible to discuss your accommodations and how I may be of assistance to you throughout the course.

3. The University of Toledo abides by the Americans with Disabilities Act (equal and timely access) and Section 504 of the Rehabilitation Act of 1973 (non-discrimination on the basis of disability). If you have a disability and are in need of academic accommodations but have not yet registered with the Office of Accessibility (OA) (Rocket Hall 1820; 419.530.4981; [officeofaccessibility@utoledo.edu](mailto:officeofaccessibility@utoledo.edu)) please contact the office as soon as possible for more information and/or to initiate the process for accessing academic accommodations. I also encourage students with disabilities receiving accommodations through OA to discuss these with me, after class or during my office hours, so that I may be better informed on how to assist you during the semester.

4. Any student with a documented disability receiving academic accommodations through the Office of Accessibility is requested to speak with me as soon as possible. All discussions will remain confidential and are intended to assist me with ensuring your accommodations are appropriately implemented throughout the course.

5. Students with disabilities who believe they may need academic accommodations are encourage to speak with me after class and will need to contact the Office of Accessibility (Rocket

Hall 1820; 419.530.4981; [officeofaccessibility@utoledo.edu](mailto:officeofaccessibility@utoledo.edu)) as soon as possible for more information and/or to initiate the process for accessing academic accommodations.

### **iii) Academic Dishonesty**

Academic dishonesty will not be tolerated. Among the aims of education are the acquisition of knowledge and development of the skills necessary for success in any profession. Activities inconsistent with these aims will not be permitted. Students are responsible for knowing what constitutes academic dishonesty. If students are uncertain about what constitutes plagiarism or cheating they should seek the instructor's advice. Examples of academic dishonesty include, but are not limited to:

1. Plagiarizing or representing the words, ideas or information of another person as one's own and not offering proper documentation;
2. Giving or receiving, prior to an examination, any unauthorized information concerning the content of that examination;
3. Referring to or displaying any unauthorized materials inside or outside of the examination room during the course of an examination;
4. Communicating during an examination in any manner with any unauthorized person concerning the examination or any part of it;
5. Giving or receiving substantive aid during the course of an examination;
6. Commencing an examination before the stipulated time or continuing to work on an examination after the announced conclusion of the examination period;
7. Taking, converting, concealing, defacing, damaging or destroying any property related to the preparation or completion of assignments, research or examination;
8. Submitting the same written work to fulfill the requirements for more than one course.

While academic integrity is particularly the responsibility of the student, the faculty members also have a responsibility. Assignments and tests should be constructed and proctored so as to discourage academic dishonesty. Faculty members are expected to inform their students explicitly as to what materials and procedures are authorized for use in the preparation of assignments or in examinations (e.g., the use of calculator, computer, text materials, etc.). Should cases of academic dishonesty be found among students, the instructor may choose to counsel the student, or the following sanctions may be imposed:

1. The student may be assigned an F for the work in question.
2. The student may be assigned an F for the course. In this case the instructor should inform the Dean and the student of this action. The Dean will make certain that the student receives the F grade and is not permitted to withdraw from the course.
3. The student may be placed on probation or suspended for some definite period of time, dismissed or expelled by the Dean if either the seriousness of the offense or a record of repeated offenses warrants it. A notation that such a sanction has been imposed will be made part of the student's permanent record. It is expected that the Dean will consult with the instructor and the



student in making such a judgment, and that the Dean will notify the student of the sanction imposed and of the appeals procedure.

A student found to be academically dishonest by a faculty member may appeal according to procedures approved by the respective colleges. The procedures for making a final appeal to the Student Grievance Committee may be found in the Student Handbook.

#### **iv) Statement of Diversity and Inclusion**

In concert with the University of Toledo's values and expectations, the faculty within the College of Health Science & Human Service upholds the tenets pledged by the University to respect and value personal uniqueness and differences. Specifically, we will actively participate in the initiatives of the University to attract and retain diverse faculty, staff, and students; to challenge stereotypes; and to promote sensitivity toward diversity and foster an environment of inclusion in all curricular and extra-curricular activities.

Hence, all students enrolled in this course will be expected to:

- Be considerate of the thoughts and ideas of others
- Demonstrate accountability, integrity and honor in all course-related activities
- Promote a collaborative and supportive educational environment
- Treat every individual with kindness, dignity, and respect regardless of:
  - Gender
  - Race/ethnicity
  - Religion
  - Sexual orientation
  - Impairment(s)/disability(ies)
  - Political views and other element(s) of uniqueness

KINE 6460 and KINE 8460  
Readings in Cardiovascular Physiology  
Justification for Cross-listing Masters and Doctoral Level Courses

**Rationale for Cross-listing:**

The Department of Kinesiology believes that cross-listing the Readings in Cardiovascular Physiology will facilitate a better learning environment for both Master (KINE 6460) and Doctoral (KINE 8460) level students. Through readings, presentations and discussions, students will be able to learn critical inquiry skills by observing and questioning each other as they interpret, critique and present contemporary research literature in cardiovascular physiology. The master level student will learn by observing doctoral students who are more knowledgeable and more experienced while at the same time gaining experience and confidence by interacting with each other in a controlled, non-threatening environment. This an important consideration when encouraging students to critically evaluate research findings and present what may be opposing views of thought. Thus, the Department of Kinesiology feels that there is sufficient and compelling reasons that justify cross-listing KINE 6460 and KINE 8460.

**Explanation and Justification for Different Requirements:**

*Requirements and grading of students enrolled in KINE 6460:*

**Course Requirements/Expectations:**

1. Regular attendance is required by all students.
2. Students must read the assigned article(s) prior to arriving to class.
3. Students must ask and answer questions during the discussion.
4. Students are required to present on the scheduled dates.
5. During student-lead discussions, the student must be prepared to lead the group discussion by presenting a summary of the original research article and by prepared to ask and answer questions related to the article.
6. Students are required to identify recently published papers in scientific journals within the assigned topic area and have the article approved by the instructor two weeks prior to making the article available to classmates.
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**Grading:**

Students will be evaluated based upon their attendance, participation in group discussions and their presentations.

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Students will be graded: Satisfactory or Unsatisfactory

*Requirements and grading of students enrolled in KINE 8460:*

**Course Requirements/Expectations:**

1. Regular attendance is required by all students.
2. Students must read the assigned article(s) prior to arriving to class.
3. Students must ask and answer questions during the discussion.
4. Students are required to present on the scheduled dates.

5. During student-lead discussions, the student must be prepared to lead the group discussion by presenting a summary of the original research article and be prepared to ask and answer questions related to the article.

6. Students are required to identify recently published papers in scientific journals within the assigned topic area and have the article approved by the instructor two weeks prior to making the article available to classmates.

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*In addition to the presentation and group discussion requirements:*

*doctoral students enrolled in this course will also be required to provide a written critique of 10 original research articles each semester and each doctoral student is required to develop and deliver a lecture on an instructor-approved area of exercise cardiovascular physiology.*

Students will be graded: Satisfactory or Unsatisfactory