

21140 information including grades, assignment outlines, deadlines, etc. a

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Calendar Course Description (including prerequisites/anti-requisites): This course investigates the important food/food components for individuals involved in chronic (regular) exercise programs and/or competition, i.e., athletes. The focus is on understanding how dietary needs are affected by regular, vigorous physical activity and the mechanisms responsible for any performance enhancement/decrement resulting from the supplementation of specific foods or food components.

Antirequisite(s):

- Access and interpret the nutrition research literature

REQUIRED TEXTBOOK: M Dunford & JA Doyle. *Nutrition for Sport & Exercise*, Cengage (5th ed), 2022; select readings from periodicals including, but not limited to, *American Journal of Clinical Nutrition*, *Applied Physiology*, *Nutrition and Metabolism*, *International Journal of Sport Nutrition & Exercise Metabolism*, and *Journal of Applied Physiology*, *American Journal of Physiology*.

Note: You are not required to purchase the text, but you are required to read the assigned chapters; 4th edition is acceptable, although some new information is not included. All required readings will be posted on OWL.

COURSE CONTENT

Topic	Text
1. Introduction (Exercise Metabolism, Energy Demands, Assessing Nutritional Status, Importance of Research, Basic Nutrition)	Chapt 1,2,3
2. Fuel Use During Exercise - Carbohydrates	Chapt 4
- Fats	Chapt 6
3. Protein/Amino Acid Needs of Athletes	Chapt 5
4. Micronutrient (Vitamin, Mineral) Needs of Athletes	Chapt 8,9
5. Fluid/Electrolyte Needs of Athletes	Chapt 7
6. Dietary Supplements for Health & Athletic Performance	Chapt 10
7. Changing Body Size/Composition	Chapt 11
8. Summary/Review	

Course Evaluation: 3 quizzes and a final exam (see below) will determine the final course grade. All quizzes will be in class and it is assumed that students will make every effort to attend these scheduled quizzes. This is important as the course material builds over the semester so falling behind makes it increasingly difficult to understand subsequent units.

is being sought, in another course or program of study in the University or elsewhere.

Use of Statistical Pattern Recognition on Multiple Choice Exams

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

3. Use of Electronic Devices

During Exams: Unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any electronic devices during ANY tests, quizzes, midterms, examinations, or other in-class evaluations.

During Lectures and Tutorials: Although you are welcome to use a computer during lecture and tutorial periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in any activities that may distract other students from learning. From time to time, your professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class. **Unless explicitly noted otherwise, you may not make audio or video recordings of lectures – nor may you edit, re-use, distribute, or re-broadcast any of the material posted to the course website.**

Personal Response Systems (“clickers”) may be used in some classes. For those classes in which we use this technology, it is your responsibility to ensure that the device is activated and functional. You must speak with the course instructor immediately, if you have any concerns about whether or not your clicker is malfunctioning.

You must use only your own clicker. For all components of this course in which clicker records are used to compute a portion of the grade:

- The use of somebody else’s clicker in class constitutes a scholastic offence;
- The possession of a clicker belonging to another student will be interpreted as an attempt to commit a scholastic offense

4. Academic Considerations and Absences from Lectures and Assessments

Religious Accommodation

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request (in writing) any necessary academic considerations at least two weeks prior to the holiday to the academic counsellors in their Home Department. Additional information is provided in the [Western Multicultural Calendar](#).

Academic Accommodation

Please contact the course instructor if you require lecture or printed material in

You have the right to appeal any grade within this course. The grounds for a grade appeal may be one or more of: medical or compassionate circumstances, extenuating circumstances beyond the student's control, bias, inaccuracy, or unfairness. All grounds advanced in a request for relief must be supported by a clear and detailed explanation of the reasons for the request together with all supporting documentation.

Appeals generally proceed in this order:

1. Course instructor (informal consultation)
2. Department Chair (submission of written request)
3. The Dean of the Faculty (submission of written request)

In the case of perceived procedural unfairness, steps 2 and 3 are carried out within the Department and Faculty offering the course. In the case of extenuating medical or compassionate circumstances that impact on a grade, steps 2 and 3 are carried out within a student's Home Department and Faculty.

A request for relief against a mark or grade must be initiated with the instructor as soon as possible after the mark is issued. In the event that the instructor is not available to the student, or fails to act, or if the matter is not resolved satisfactorily