

Western University  
Faculty of Health Sciences  
**School of Kinesiology**

**KIN 3339A - Exercise Nutrition  
Fall 2019**

<p><b>Instructor:</b> Peter WR Lemon, PhD  <b>Office:</b> 3M Centre Rm 2212  <b>Email:</b> plemon@uwo.ca  <b>Phone:</b> 519/661-2111 x88139  <b>Office Hrs:</b> Mo/We 12:30-1:30pm or by appointment</p> <p><b>TAs:</b></p> <p style="padding-left: 40px;">@uwo.ca</p> <p style="padding-left: 40px;">@uwo.ca</p> <p style="padding-left: 40px;">@uwo.ca</p>	<p><b>Lectures:</b> MoWeFr 11:30am - 12:30pm</p> <p><b>Room:</b> Health Sci Bldg Rm 40</p>
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**NOTE:** All course information including grades, assignment outlines, deadlines, etc. are available via OWL. Check the website regularly for course announcements.

<p><b>Calendar Course Description (including prerequisites/anti-requisites):</b> 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.</p> <p><b>Antirequisite(s):</b> The former Kinesiology 4439A/B, the former Foods and Nutrition 4439A/B.</p> <p><b>Prerequisite(s):</b> <a href="#">Physiology 1021</a> or equivalent, and <a href="#">Kinesiology 2230A/B</a>. Recommended: <a href="#">Foods and Nutrition 3373A/B</a>.</p> <p><b>Extra Information:</b> 3 hours per week.</p>
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*You are responsible for ensuring that you have completed successfully all course pre-requisites and that you have not taken an anti-requisite course.*

*Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.*

**NOTE:** If you wish to enroll in this course without the stated pre-requisite(s), you must obtain written approval from the course instructor. The approval should then be forwarded to your academic counsellor.

**My Course Description:** 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.

**Learning Outcomes/Schedule:**

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

- Assess diet quality including both macro- and micro-nutrients
- Evaluate food supplements relative to both health and exercise performance
- Understand body composition methodology
- Develop nutrition/activity programs for optimal health and body composition
- Access and interpret the nutrition research literature

**Required Course Material/Text:**

All required readings will be posted on OWL.

**REQUIRED TEXTBOOK:** M Dunford & JA Doyle. *Nutrition for Sport & Exercise*, Cengage (4<sup>th</sup> ed), 2019; 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*.

**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 - Fats	Chapt 4 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 (conducted during class) and a final exam as scheduled in the course syllabus will determine the final course grade. It is assumed that students will make every effort to attend these scheduled quizzes. This is important as the material builds over the semester so falling behind makes it increasingly difficult to understand subsequent units. A missed quiz, without appropriate documentation will result in a zero (0) grade. Acceptable reasons for missing a quiz include documented hospital stays, serious illness, family emergencies (serious accidents, illness or death) or similar circumstances. Due to the size of this class, makeup quizzes are not possible; therefore, if a quiz is missed and appropriate documentation is provided, the point value of the missed quiz will be added to the next quiz.

## Course/University Policies

1. **Academic offences:** are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf)

A) Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar). All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between Western University and Turnitin.com <http://www.turnitin.com>

B) 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.

## 2. Electronic Device Usage:

**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 of the following electronic devices during ANY of the tests, quizzes, midterms, examinations, or other in-class evaluations: cellphones, smart phones, smart watches, smart glasses, audio players or recorders of any sort, video cameras, video games, DVD players, televisions, laptop/notebook/netbook computers, flashlights or laser pointers.

**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. Please be respectful to your fellow students and turn the sound off. If the professor receives complaints from other students regarding noise or other disruptive behavior (e.g. watching videos on YouTube.com, updating your Facebook status, playing Solitaire), your classroom privileges will be revoked. 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. You may make audio or video recordings of 3339 lectures if they are for your own use.

## 3. Health and Wellness:

Information regarding health and wellness-related services available to students may be found at <http://www.health.uwo.ca/>.

Students who are in emotional/mental distress should refer to Mental Health@Western (<http://www.health.uwo.ca/>) for a complete list of options about how to obtain help.

## 4. Support Services

There are various support services around campus and these include, but are not limited to:

1. *Student Development Centre* -- <http://www.sdc.uwo.ca/ssd/>
2. *Student Health & Wellness* -- <http://www.health.uwo.ca/>
3. *Registrar's Office* -- <http://www.registrar.uwo.ca/>
4. *Ombudsperson Office* -- <http://www.uwo.ca/ombuds/>

5. **Documentation for Academic Accommodation (Illness, Medical/Non-Medical Absences):** [http://www.westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page\\_12](http://www.westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_12)

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant to render them unable to meet academic requirements may submit a request for academic consideration through the following routes:

- (i) Submitting a Self-Reported Absence (see below for conditions)
- (ii) For medical absences exceeding 48 hours, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner to their Academic Counselling in their Faculty of registration in order to be eligible for Academic Consideration; or
- (iii) For non-medical absences exceeding 48 hours, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to Academic Counselling in their Faculty of registration in order to be eligible for academic consideration. Students are encouraged to contact their Academic Counselling unit to clarify what documentation is appropriate.

Students seeking academic consideration **must communicate with their instructors no later than 24 hours** after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence.

**The following conditions are in place for self-reporting of medical or extenuating circumstances:**

- a. a maximum of two self-reported absences between September and April and one self-reported absence between May and August;
- b. any absences in excess of the number designated in clause a above will require students to present a Student Medical Certificate (SMC) or appropriate documentation supporting extenuating circumstances to the Academic Counselling unit in their Faculty of registration no later than two business days after the date specified for resuming responsibilities.
- c. The duration of the excused absence will be for a maximum of 48 hours from the time the Self-Reported Absence form is completed through the online portal, or from 8:30 am the following morning if the form is submitted after 4:30 pm;
- d. The duration of the excused absence will terminate prior to the end of the 48 hour period should the student undertake significant academic responsibilities (write a test, submit a paper) during that time;
- e. The duration of an excused absence will terminate at 8:30 am on the day following the last day of classes each semester regardless of how many days of absence have elapsed;
- f. Self-reported absences will not be allowed for scheduled final examinations; for midterm examinations scheduled during the December examination period; or for final lab examinations scheduled during the final week of term;
- g. Self-reporting may not be used for assessments (e.g. midterm exams, tests, reports, presentations, or essays) worth more than 30% of any given course;

For medical and non-medical absences that are not eligible for self-reporting Kinesiology students must submit an Academic Consideration Request form found online [https://www.uwo.ca/fhs/kin/undergrad/files/accommodation\\_request.pdf](https://www.uwo.ca/fhs/kin/undergrad/files/accommodation_request.pdf) in addition to an SMC or appropriate documentation in the event of a non-medical absence. These documents will be retained in the student's file, and will be held in confidence in accordance with the University's Official Student Record Information Privacy Policy.

**6. Grades:** Where possible assignment objectives and rubrics will be posted on OWL. Should you have a concern regarding the grade you received for an assignment or feel that it is unfair in any way, you must wait 24 hours from the receipt of the assignment to approach the instructor or TA. In doing so, please make an appointment and prepare in writing, with evidence, why you feel your grade is inappropriate. Please be aware that in requesting a grade reassessment, your grade could go up/down/or stay the same. Note that calculations errors (which do occur!) should be brought to my attention immediately.

Generally, students can expect some form of feedback on their performance in a course before the drop date.

- November 9th, 2019 (for first term half-courses)
- November 27th, 2019 (for full-year courses)
- March 4th, 2020 (for second term half-or full year courses)

A+	90-100	<i>One could scarcely expect better from a student at this level</i>
A	80-89	<i>Superior work that is clearly above average</i>
B	70-79	<i>Good work, meeting all requirements and eminently</i>
C	60-69	<i>Competent work, meeting requirements</i>
D	50-59	<i>Fair work, minimally acceptable.</i>
F	below 50	<i>Fail</i>

**Rounding of Grades** (for example, bumping a 79 to 80%):

This is a practice some students request. **This practice will not occur here.** The edges of this course are clear and sharp. The mark attained is the mark you achieved and the mark assigned; there is no rounding to the next grade level, or 'giving away' of marks. Please don't ask me to do this for you; the response will be "please review the course outline where this is presented".

7. **Classroom Behaviour:** Class will begin promptly at the time specified at the top of page one of this syllabus. In the event that you must arrive late, please enter the classroom with a minimal disturbance to the class. Please keep all electronic devices on silent and avoid distracting classmates.

8. **Student Code of Conduct**

The purpose of the Code of Student Conduct is to define the general standard of conduct expected of students registered at Western University, provide examples of behaviour that constitutes a breach of this standard of conduct, provide examples of sanctions that may be imposed and set out the disciplinary procedures that the University will follow. For more information, visit <https://www.uwo.ca/univsec/pdf/board/code.pdf>