

Western HealthSciences

School of Kinesiology

KIN3495B – Practical Aspects of Strength and Conditioning FW25

Campus Supports

Western University is committed to a **thriving campus**. For help with:

- Both physical and mental health, go to [Wellness & Wellbeing](#)
- Studying with disabilities, go to [Accessible Education](#)
- Writing skills, go to the [Writing Support Centre](#)
- Learning skills and strategies, go to [Learning Development & Success](#)
- Contacting the ombudsperson, go to the [Office of the Ombudsperson](#)



Your course coordinator can also **guide you** to available campus resources and/or services.

Technical Requirements

 Stable internet connection

 Laptop computer

 Calculator

Contact Information

Course Coordinator/instructor	Contact Information	Office Hours
Michael Herbert	mherber5@uwo.ca 519-661-2111 x88675	TBD

Teaching Assistant(s)	Contact Information	Office Hours
TBD	TBD	TBD

NOTE: All course information including grades, assignment outlines, deadlines, etc. are available via [OWL Brightspace](#). Download the Brightspace Pulse App to stay up-to-date on course communication and enable your notification settings within “Communications” in the top toolbar. Check the website regularly for course announcements. If you need assistance, visit [OWL Brightspace Help](#) or contact the [Western Technology Services Helpdesk](#). They can be contacted by phone at 519-661-3800 or ext. 83800.

Calendar Course Description (including prerequisites/anti-requisites):

The purpose of this course is to provide students with the knowledge of conduction and interpretation of assessment results and evidence-based programming in high performance sport. Students who participate in this course will be required to observe and participate in 3 training sessions with the Strength and Conditioning coaches responsible for training Western University varsity teams.

Prerequisite(s): [Kinesiology 2230A/B](#), [Kinesiology 2992A/B/Y](#) each with a minimum grade of 60% and proof of recent certification in First Aid and CPR.

Statement on Prerequisite Checking

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.

Delivery Mode: in-person

Component	Date(s)	Time
Lecture	Thursday	2:30 - 4:30 pm
Lab	002 - TBD 003 - TBD 004 - TBD 005 - TBD 006 - TBD	TBD

My Course Description

Lectures will explore;

- Exercise prescription parameters for a multitude of performance variables
- A general analysis of the physiological processes that effect high performance
- Analysis/interpretation of assessment data and how to apply that information to a training program.
- Introduction to periodization in high performance sport
- Certain lectures will be used as lab tutorial for the subsequent week.
- Western University strength and conditioning coaches will provide guest lectures throughout the term

Labs will explore;

- a variety of fitness assessments utilized in high performance settings, analysis/interpretation of assessment data and how to apply that information to a training program.

Learning Outcomes

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

1. Understanding the implication of movement patterns in high performance sport.
2. Determine appropriate assessment protocols based on sport, position, equipment availability and training setting (team or individual).
3. Appropriately perform a variety of fitness assessment protocols
4. Collect, interpret, and implement data from assessment protocols into a variety of training programs.
5. Perform general needs analyses for sport and specific positions within sport.
6. Learn to create a training plan for athletes
7. Evaluate the scientific evidence regarding certain topics relevant to the course content.
8. Observe training implemented by the 4th year practicum students and Strength and Conditioning Coaches.
9. Able to use/perform basic functions in Excel

Course Content and Schedule

Week	Dates	Topic	Study material	Things due
1	Jan 5-9	Introduction	Notes on Brightspace	
2	Jan 12-16	Review of Terms and Needs Analysis	Notes on Brightspace	
3	Jan 19-23	Formulating Testing Batteries for Athlete Evaluation	Notes on Brightspace	
4	Jan 26-30	Formulating Testing Batteries for Athlete Evaluation	Notes on Brightspace	
5	Feb 2-6	Midterm	Notes on Brightspace	
6	Feb 9-13	No Lecture		Practical Exams
7	Feb 16-20	Reading Week		
8	Feb 23-27	Interpreting Testing and Training Data	Notes on Brightspace	Needs Analysis Varsity Training Log book
9	Mar 2-7	Interpreting Testing and Training Data	Notes on Brightspace	
10	Mar 9-13	Guest Lecture		
11	Mar 16-20	Developing a Training Model - Program Design	Notes on Brightspace	
12	Mar 23-27	Developing a Training Model - Periodization	Notes on Brightspace	Personal Fitness Analysis
13	Mar 30-Apr 2	Load Monitoring and Final Exam Review	Notes on Brightspace	Practical Exams Training Plan

Course Materials

All required readings will be posted on Brightspace.

Assessments and Evaluation

Below is the evaluation breakdown for the course. Any deviations will be communicated.

Assessment	Format	Weight	Due Date	Flexibility	Learning Outcome
Midterm Exam ¹	In person, during class	20%	February 5		1, 2 4, and 7
Final Exam ²	Mixed Format	25%	During final exam period		1, 2 4, and 7
Practical Exam 1		12.5%	Week of February 9		3
Practical Exam 2		12.5%	Week of March 30		3
Needs Analysis		5%	February 27	72h no late penalty	5

Assessment	Format	Weight	Due Date	Flexibility	Learning Outcome
Training Plan		10%	April 2	72h no late penalty	6
Personal Fitness Analysis	Data documentation and analysis	10%	March 27	72h no late penalty	3 and 4
Varsity Training Participation	In person attendance and log book	5%	February 27		8

Notes:

1. You cannot use undocumented absences for this exam.
2. You cannot use undocumented absences for final exams.

General information about assessments

- ☒ All assignments are due at 23:59 EST unless otherwise specified
- ☒ Students are responsible for ensuring that the correct file version is uploaded; incorrect submissions including corrupt files could be subject to late penalties (see below) or a 0
- ☒ A student might not receive the same grade as their group members if it is determined that the distribution of work was not equal (via the peer evaluation)
- ☒ After an assessment is returned, students should wait 24 hours to digest feedback before contacting their evaluator; to ensure a timely response, reach out within 7 days
- ☒ Any grade appeals on term work must be initiated with the instructor within 3 weeks of the grade being posted. See the [University Policy on Undergraduate Student Appeals](#) for more information

The table below outlines University-wide grade descriptors.

Letter grade	Number grade	Description
A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work which is clearly above average
B	70-79	Good work, meeting all requirements, and eminently satisfactory
C	60-69	Competent work, meeting requirements
D	50-59	Fair work, minimally acceptable
F	below 50	Fail

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

This is a practice some students request. The final grade documented is the grade that you have achieved. 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".

Information about late or missed assessments and labs:

Missed Lab Policy:

Students who miss a lab are unable to attend alternate lab times and must simply get caught up on the material they missed. Missing a lab does not excuse you from missing an assignment deadline (unless the deadline is included in the consideration). The laboratories within this course are designed to provide our students with the opportunity to apply concepts discussed in lecture. It is essential that all students enrolled in this course attend and engage in laboratory content, in real time. Those who miss more than 2 laboratories will be debarred from writing the final

examination and will receive an F for this course on their transcript.

Personal Fitness Analysis:

Students are required to perform **ALL** assessments as a testing **subject** (unless an accommodation has been received). Student participation will be tracked in every lab and count towards the personal fitness analysis mark. Missed assessments (unless an academic consideration has been approved) will result in a zero on assessments and analyses that have not been performed.

Missed Assignment Policy:

Assignments are due as stated in the course syllabus and will not be accepted late, except under medical or other compassionate circumstances. Submitting a late assignment without appropriate documentation will result in a zero (0) grade. Assignments may be submitted up to 72h after the deadline (e.g. If the consideration ends February 20 at 11:59 pm, the assignment must be submitted by February 23 at 11:59). If a student experiences extenuating circumstances. Consideration requests will only be accepted for things that occur prior to the start of the due date and last past the automatic extension. If a student receives a consideration, they are to submit the assignment within 24 hours of the accommodation time elapsing

Missed Midterm/Practical/Final Exam Policy:

A missed examination, without appropriate documentation will result in a zero (0) grade. Acceptable reasons might include hospital stays, serious illness, family emergencies (like serious accidents, illness or death) or similar circumstances. Exams will not be re-weighted and must be completed. All missed exams will be completed on the common exam make-up date set by the School of Kinesiology (generally in early to mid-May). Students who are unable to write their missed exams on the common make-up date will receive an SPC (see description below) and will need to write the exam the next time it is offered.

Course Evaluation Marks

Students wishing to discuss ANY evaluation marks may do so during office hours. Office hours will be posted in the OWL calendar and offered weekly throughout the term. You may attend in person OR via Zoom. Additional office hours will be offered following the midterm and near the end of the term. *ALL electronic correspondence regarding evaluation marks will be deleted immediately.*

Course-specific conditions:

INC (Incomplete Standing): If a student has been approved by the Academic Advising Office (in consultation with the instructor/department) to complete term work at a later date, an INC will be assigned. Students with INC will have their course load in subsequent terms reduced to allow them to complete outstanding course work. Students may request permission from Academic Advising to carry a full course load for the term the incomplete course work is scheduled.

SPC (Special examination): If a student has been approved by the Academic Advising Office to write a Special Examination and the final exam is the only outstanding course component, an SPC will be assigned. If the class has a makeup exam, the student is expected to write the makeup exam. If the class doesn't have a makeup exam or the student misses the makeup exam for reasons approved by the Academic Advising Office, the student will write the exam the next time the course is offered. Outstanding SPCs will reduce the course load for the term the exam is deferred as outlined in [Types of Examinations](#) policy

Academic Policies and Statements

Support Services

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

1. Academic Support and Engagement - <http://academicsupport.uwo.ca>
2. Wellness and Well-being - <https://www.uwo.ca/health/>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombuds Office -- <http://www.uwo.ca/ombuds/>

The websites for Registrarial Services (<http://www.registrar.uwo.ca>), and the same for affiliated university colleges when appropriate, and any appropriate Student Support Services (including the services provided by the USC listed here: <http://westernusc.ca/services/>) and the Student Development Services, should be provided for easy access.

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

Statement on Gender-Based and Sexual Violence

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at:

https://www.uwo.ca/health/student_support/survivor_support/get-help.html.

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>

Absence from Course Commitments

Students must familiarize themselves with the Policy on [Academic Consideration – Undergraduate Students in First Entry Programs](#)

Students missing course work for medical, compassionate, or extenuating circumstances can request academic consideration by completing a request at the [central academic consideration portal](#). Students are permitted one academic consideration request per course per term **without** supporting documentation. Note that supporting documentation is **always** required for academic consideration requests for examinations scheduled by the office of the registrar (e.g., December and April exams) and for practical laboratory and performance tests (typically scheduled during the last week of the term).

Students should also note that the instructor may **designate** one assessment per course per term that requires supporting documentation. This designated assessment is described elsewhere in this document. Academic consideration requests may be denied when flexibility in assessment has already been included. Examples of flexibility in assessment include when there are assessments not required for calculation of the final grade (e.g. 8 out of 10 quizzes), when there is flexibility in the submission timeframe (e.g. 72 hour no late penalty period), or when timed assessments (e.g., quizzes) are available over an extended period of time (e.g., when you are given a 72 hour time period to start – and finish – the assessment).

Please note that academic considerations in this course are granted by the academic advisors in your home unit and implemented by the instructor of this course in accordance with information presented in this course syllabus. Supporting documentation for academic considerations for absences due to illness should use the [Student Medical Certificate](#) or, where that is not possible, equivalent documentation by a health care practitioner. If your absence relates to accommodations that are already supported by [Accessible Education](#), please work with your accessible education counsellor regarding your missed course work.

Accommodation for Religious Holidays

Students should review the policy for [Accommodation for Religious Holidays](#). Where a student will be unable to write examinations and term tests due to a conflicting religious holiday, they should inform their instructors as soon as possible but not later than two weeks prior to writing the examination/term test. In the case of conflict with a midterm test, students should inform their instructor as soon as possible but not later than one week prior to the midterm.

Special Examinations

A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examination dates. The Faculty of Health Sciences has set School-specific dates for these Special Examinations. Please speak with your instructor about the date on which the Special Examination for this course will be held.

Scholastic Offences

Scholastic offences are taken seriously and students are directed to read the policy on [Scholastic Discipline for Undergraduate Students](#).

Plagiarism

Student work is expected to be original. Plagiarism is a serious academic offence and could lead to a zero on the assignment in question, a zero in this course, or your expulsion from the university. You are plagiarizing if you insert a phrase, sentence or paragraph taken directly from another author without acknowledging that the work belongs to him/her. Similarly, you are plagiarizing if you paraphrase or summarize another author's ideas without acknowledging that the ideas belong to someone else. All 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 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 (www.turnitin.com).

Use of Artificial Intelligence for the Completion of Course Work

Within this course, you may only use artificial intelligence tools (e.g., "ChatGPT") in ways that are specifically authorized by the course instructor. All submitted work must reflect your own thoughts and independent written work.

Re-submission of Previously Graded Material

Without the explicit written permission of the instructor, you may not submit any academic work for which credit has been obtained previously, or for which credit 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.

Accessibility Statement

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Accessible Education (AE) at 661-2111 x 82147 for any specific question regarding an accommodation or review [The policy on Accommodation for Students with Disabilities](#). If you think you may qualify for ongoing accommodation (e.g. separate room to write exams, flexibility with deadlines, etc.) that will be recognized in all your courses, we encourage you to visit [Accessible Education](#) for more information.

Correspondence Statement

The centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner. Students are further expected to attend to announcements presented through Brightspace, and to read emails generated in this way.

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 (e.g., cell phones, tablets, cameras, smart glass, smart watches, or iPods) during ANY tests, quizzes, midterms, examinations, or other in-class evaluations. **These devices MUST either be left at home or with your belongings at the front of the room. They MUST NOT be at your test/exam desk or in your pocket. Any student found with a prohibited device will be referred for investigation of a Scholastic Offence, per the policy listed above. The typical first-offence penalty for possession of a prohibited device is zero on the test or exam.**

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.

Copyright and Audio/Video Recording Statement

Course material produced by faculty is copyrighted and to reproduce this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. 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.

Contingency Plan for an In-Person Class Pivoting to 100% Online Learning

In the event of a situation that requires this course to pivot to online content delivery, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on Brightspace for students to view at their convenience). The grading scheme will **not** change. Any remaining assessments will also be conducted online as determined by the course instructor

Note that disruptive behaviour of any type during online classes, including inappropriate use of the chat function, is unacceptable. Students found guilty of Zoom-bombing a class or of other serious online offenses may be subject to disciplinary measures under the Code of Student Conduct.

Online Proctoring

Tests and examinations in this course may be conducted using a remote proctoring service. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide **personal information** (including some biometric data) and the session will be **recorded**. Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. More information about this remote proctoring service, including technical requirements, is available on Western's Remote Proctoring website at: <https://remoteproctoring.uwo.ca>.

Appealing a Grade Within this Course

You have the right to request relief from any grade within this course. The grounds for a request for relief 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.

Requests based on procedural unfairness generally proceed in this order:

1. Course instructor (informal consultation)
2. Chair of the School offering the course (submission of written request)
3. Associate Dean of the Faculty offering the course (submission of written request)

Requests based on extenuating medical or compassionate circumstances generally proceed in this order:

1. Academic Advisor in your Home Unit
2. Associate Dean for your Home Faculty

A request for relief against a mark or grade must be initiated 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 with the instructor, a written request for relief must be submitted to the Chair of the Department within three weeks of the date that the mark was issued. In the case of a final grade in a course, the written request for relief must be submitted to the Chair of the department by January 31st (for first-term half courses) or June 30th (for second-term half courses or full-year courses).