



COURSE SYLLABUS

COURSE TITLE: SPMA 220 – Sport Technology

CLASS SECTION: 001

TERM: Winter 2024

COURSE CREDITS: 3

DELIVERY METHOD(S): Lecture and lab delivery

For COVID-19 updates please visit <https://camosun.ca/about/covid-19-updates>.

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME: Simon Cass

EMAIL: CassS@camosun.ca

Classroom: Portable A, Room 102 (Tuesdays) & CBA 287 (Fridays)

OFFICE: PISE 306A

HOURS: Please email to set up an appointment. I am available to meet any day outside of Thursdays.

I will also typically be available immediately after class is finished

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

Students will study and investigate leading edge technologies as they relate to sport and their impact on performance. Students will interact with a range of equipment technologies, software, data tools and platforms. Students will also study and compare the impacts and ethics of current and emerging technologies.

PREREQUISITE(S): C in BUSN 140 or a Bachelor degree from a recognized post-secondary institution

CO-REQUISITE(S):

EQUIVALENCIES:

COURSE LEARNING OUTCOMES / OBJECTIVES

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

- Utilize leading edge sports performance technologies in a practical setting.
- Provide examples of different types of ethical sports technologies that support the enhancement of sport performance.
- Compare and contrast current sport technologies with emerging technologies
- Demonstrate an understanding of the positive and negative impacts of sport related technologies.
- Provide examples of the ethics of using technology advancements to enhance sport performance.
- Discuss the importance of fan oriented social technologies and platforms.
- Apply good working knowledge of emerging player and athlete development software for performance management.
- Demonstrate the use of specific computer software programs in a sport setting including program and client registration, and facility bookings.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

- Lecture/Lab Notes posted to D2L
- Course readings posted to D2L

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

<i>Week</i>	Tuesday 10:30-12:20 CBA 287		Friday 10:30-12:20 Portable A, 102	
1	9-Jan	Intro to Sport Technology: A historical perspective	12-Jan	Historical Perspectives & Ethical Issues with Sport & Technology
2	16-Jan	Fundamentals of measuring movement. Athlete Tracking <i>Sign-up for Shotgun Presentations</i>	19-Jan	Visit to Camosun INNOVATES Lab – Innovative design theory and prototype examination
3	23-Jan	Athlete Tracking & Monitoring	26-Jan	Fundamentals of Excel <i>Lab Assignment #1</i>
4	30-Jan	Wearables	2-Feb	Performance Analytics – Guest Speaker Kelvin Ma <i>Lab Assignment #1 Due</i>
5	6-Feb	Injury Prevention	9-Feb	Visit to AET Clinic
6	13-Feb	Apparel & Wearables	16-Feb	Midterm
7	20-Feb	No Class (Reading Break)	23-Feb	No class (Reading Break)
8	27-Feb	Virtual Reality & Augmented Reality	1-Mar	Visit to Speed Mechanics Performance Training Gym
9	5-Mar	Doping & Genetic Engineering	8-Mar	Biomechanics <i>Lab Assignment #2</i>
10	12-Mar	Fan Experience	15-Mar	Work Block – Prototype &
11	19-Mar	Group Presentations	22-Mar	AI & Machine Learning

12	26-Mar	Group Presentations	29-Mar	No Class (Good Friday)
13	2-April	Prototype Presentations	5-April	Exam Review
14	9-April	Prototype Presentations	13-April	Final Exam

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines can be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

EVALUATION OF LEARNING

DESCRIPTION	WEIGHTING
Shotgun Presentation	10%
Lab Assignments	15%
Start/End of Class Assignments	5%
Mid Term	10%
Final Exam	20%
Prototype Project	20%
Group Presentation	20%

COURSE GUIDELINES & EXPECTATIONS

Exams: Students should avoid making prior travel, employment, or other commitments for this period. If a student is unable to write an exam through no fault of his or her own for medical or other reason, valid documentation must be provided and it must be discussed with the instructor well in advance of the exam date. If the student is absent for an exam (written or practical) and has not made arrangements with the instructor in advance, a zero grade will be applied.

In consultation with the instructor, any student who was unable to attend a lab/practical session may be required to perform a make-up assignment or attend a make-up session. This consultation must occur within 1 week of the excused absence.

Professional standards for students

- Students are expected to exhibit polite, mature and respectful behaviour in class (lectures, labs, seminars or practicums) and actively participate as needed.

- Students are expected to arrive for class on time. This is especially critical when there are guest speakers for the class concerned. If students are late for a valid reason they should enter by the door at the back of the classroom, if available, with materials out and ready to be used.
- Students are expected to not wear headphones or ear-buds in class. Cell phones, laptops and tablets should only be used at the discretion of the instructor. The consequences of inappropriate cell phone, laptop or tablet use may include a request to leave the classroom and/or potential forfeiture of class participation marks, if applicable. If cell phones must be used or checked during class, please leave the room to do so.
- Students are expected to conduct themselves in a manner that maximizes the learning of all students. If students are distracting other members of class they will be asked to leave the classroom. Please wait until a class-break to take garbage or recyclables to the appropriate bins.
- Students are expected to dress appropriately for the class/lab concerned. If making a presentation in class, students are expected to dress as though making a presentation at an important job interview.
- Students are expected to maintain good personal hygiene standards for all classes. If students have been active immediately prior to a class/lab, they should make an attempt to shower/wash prior to attending class and/or change into clean dry clothing/shoes. Please be considerate to others and do not wear overpowering perfumes or scents.
- Students should not expect instructors, instructional assistants, or any other CSEE staff to answer emails after 5pm or on weekends. While many instructors will check email occasionally after-hours, this is at their discretion and cannot be guaranteed.

Policy on Calculators: Calculators will be permitted during tests. Permission is restricted to non-programmable calculators only. Cell phone calculators cannot be used.

Policy on Cell Phones, other Electronic Devices (iPods etc.): Cell phones and other electronic devices are not to be used during scheduled class and lab times.

Exam and Assignment Scheduling Policy: The course exams and assignments are pre-scheduled by the instructor and written or due as outlined in this course outline.

Late Assignments: Late assignments will not be accepted. If a student will miss a class due to illness, it is expected that the assignment will be emailed to the instructor prior to the date and time that it is due.

Papers and/or assignments that are deemed unacceptable by the faculty will be returned and receive an automatic 10% deduction on the grading of said item. Papers and / or assignments will receive a 10% per day deduction thereafter. After the 5th day the assignment will receive a grade of 0%. Failure to turn in an assignment may result in an incomplete final grade being assigned for the course.

Reasons that a faculty may deem an item unacceptable include but are not limited to the following:

- Grammar
- Spelling
- Content
- Punctuation
- Inappropriate referencing /citations

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Support Service	Website
Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

Academic Integrity

Students are expected to comply with all College policy regarding academic integrity; which is about honest and ethical behaviour in your education journey. The following guide is designed to help you understand your responsibilities: <https://camosun.libguides.com/academicintegrity/welcome>
Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for Camosun's Academic Integrity policy and details for addressing and resolving matters of academic misconduct.

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc.). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started: <http://camosun.ca/services/accessible-learning/>

Academic Progress

Please visit https://www.camosun.ca/sites/default/files/2021-05/e-1.1_0.pdf for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<https://camosun.ca/registration-records/policies-and-procedures-students/registration-policies-students>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized Violence and Misconduct Policy: <http://www.camosun.ca/sites/default/files/2021-05/e-2.9.pdf> and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-370-3841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

Looking for other policies?

The full suite of College policies and directives can be found here: <https://camosun.ca/about/camosun-college-policies-and-directives>

Changes to this Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.