

# COURSE SYLLABUS



COURSE TITLE: Business Statistics  
CLASS SECTION: D08  
TERM: 2022 Fall  
COURSE CREDITS: 3  
DELIVERY METHOD(S): Online Lecture (Asynchronous)

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun's [Territorial Acknowledgement](#).

For COVID-19 information please visit <https://legacy.camosun.ca/covid19/index.html>.

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*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

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NAME: Matt Agbay  
EMAIL: [agbaym@camosun.ca](mailto:agbaym@camosun.ca)  
OFFICE: Interurban – CBA 279  
HOURS: Posted on D2L

*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

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Students will learn statistical methods for applications in business. They will study how to describe and analyze data, analyze decisions made with uncertainty, interpret descriptive statistics for one and two variables, and make predictions based on statistical data.

PREREQUISITE(S): One of: C in MATH 11, C in MATH 077, C+ in MATH 072, C+ in MATH 075

## COURSE LEARNING OUTCOMES / OBJECTIVES

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

1. Identify and utilize statistical information available in the databases, media, and business environments to guide decision making.
2. Analyze quantitative data to interpret their use in business applications.
3. Calculate and interpret descriptive statistics for one and two variable problems.
4. Apply the common rules of probability to discrete and continuous distributions.
5. Construct and interpret a confidence interval estimate.
6. Use the central limit theorem to determine possible sample sizes for various business problems.
7. Carry out an appropriate hypothesis test in a one and two sample hypothesis test.
8. Describe how linear regression models forecast business activity.

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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<b>Text:</b>	Lind, D., Marchal, W., Wathen, S., Waite, C., & Murphy, K. (2022). <i>Basic Statistics For Business &amp; Economics</i> (7th Canadian Edition). Canada: McGraw-Hill Education.
<b>Microsoft Office:</b>	A free subscription of Office 365 is available to all current Camosun College students. Sign up for Office 365 at <a href="http://camosun.ca/services/its/other-services.html">http://camosun.ca/services/its/other-services.html</a> .
<b>Other:</b>	Texas Instruments BAII Plus financial calculator.

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

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The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

DATES	TOPIC
Sept. 5 – Sept. 9	Introduction
Sept. 12 – Sept. 16	Graphic Presentation
Sept. 19 – Sept. 23	Numerical Measures
Sept. 26 – Sept. 30	Numerical Measures
Oct. 3 – Oct. 7	<b>Assignment 1: Oct. 3 9:00 AM – Oct. 7 11:59 PM</b>
Oct. 10 – Oct. 14	Introduction to Probability
Oct. 17 – Oct. 21	Discrete Probability Distributions
Oct. 24 – Oct. 28	Continuous Probability Distributions
Oct. 31 – Nov. 4	Sampling Methods and the CLT
Nov. 7 – Nov. 11	<b>Assignment 2: Nov. 7 9:00 AM – Nov. 11 11:59 PM</b>
Nov. 14 – Nov. 18	Estimation and Confidence Intervals
Nov. 21 – Nov. 25	One Sample Hypothesis Testing
Nov. 28 – Dec. 2	Two Sample Hypothesis Testing
Dec. 5 – Dec. 9	Two Sample Hypothesis Testing
Dec. 12 – Dec. 20	<b>Assignment 3: Dec. 12 9:00 AM – Dec. 16 11:59 PM</b>

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

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DESCRIPTION	WEIGHTING
D2L Quizzes	20%
Assignment 1	25%
Assignment 2	25%
Assignment 3	30%
	<b>TOTAL</b>
If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the <a href="http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf">Grade Review and Appeals</a> policy for more information. <a href="http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf">http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf</a>	
	100%

## COURSE GUIDELINES & EXPECTATIONS

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### Course Check-In

You are required to complete the Course Check-In quiz by **11:59 PM on Wednesday September 7**. If you do not complete the Course Check-In quiz, you will be removed from the course.

### Course Material

Course material for each topic will be made available at the beginning of each week as listed in the content tab under Topics. Each week you will be responsible for watching videos that address a topic as well as videos that guide you through the accompanying example problems. Important information and reminders will be posted in the course News (found on the Course Home page) every Monday and Friday – make sure you read each item to know what you should be completing each week.

### D2L Quizzes

Each topic requires that you complete a quiz to show your understanding of the course material. You will complete 10 quizzes during the semester. You have unlimited attempts and unlimited time to complete each quiz (only your best score will count). The availability and due date for each quiz is listed in the Quizzes tab and on the Calendar found on the Course Home page.

### Assignments

The assignments are not cumulative – each assignment will test your understanding of specific topics introduced in this course. Assignments are open-book and will be available during the times listed in the course schedule above. Additional information regarding the assignments will be posted on D2L at certain points during the semester (week 4, week 9, and week 14).

**Assignment Formatting.** The School of Business uses APA style for formatting assignments and citing references. Proper citations and formatting using APA style will be required. See Camosun College (2018) Library Citation Guides retrieved from: <http://camosun.ca.libguides.com/apa7>.

- Where required by your instructor, submit all assignments into the D2L assignments by your last name.
- In text citations for quotes, paraphrasing, and references must be consistent with APA standards.
- Grammar, spelling, style and APA formatting, citations and referencing will be assessed in your mark.
- All submitted work must be properly referenced to sources where required by your instructor.
- Unless otherwise specified, you are to submit your own work, any work collaborated (unless permitted by the course) will be considered in violation of the college's Student Conduct Policy. See Camosun College (2003) Student Conduct Policy from: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf>.

**Deadlines and Exams.** You must submit your assignments on the due date or as announced. A grade of zero will be assigned to late submissions. There are no additional assignments or make-up exams of any kind if you performed poorly on an assignment, midterm or final exam.

- a) EXAM DATES WILL NOT BE RESCHEDULED. Non-attendance on scheduled exam dates results in a zero grade. Exceptions will be made only for medical reasons or extenuating circumstances that must be submitted and then accepted by the instructor. Please advise your instructor promptly.
- b) Students registered through the [Centre for Accessible Learning \(CAL\)](#) should discuss timelines with their instructors at the beginning of each semester.
- c) Medical notes must be dated, signed, and be written on letterhead or prescription paper imprinted with the physician's name and address. Notes are accepted from Physician (GP or medical specialist), Nurse Practitioner, Psychiatrist, Psychologist, Counsellor and Aboriginal Elder. Electronic notes will not be accepted. Medical documentation must be received as soon as reasonably possible.

## STUDENT RESPONSIBILITY

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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

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

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.

### 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](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](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto: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.