



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/stat.html>

Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

(a)	Instructor:	Susan Kinniburgh
(b)	Office Hours:	Monday, Wednesday 1:30-2:20, Tuesday 4:30-5:20, Thursday 2:30-4:20
(c)	Location:	Ewing 266
(d)	Phone:	250-370-3504
(e)	Email:	kinniburghS@camosun.bc.ca
(f)	Website:	D2L https://online.camosun.ca Webwork: https://webworklans2.camosun.ca/webwork2/Stat116-Fall2017-Kinniburgh/

2. Intended Learning Outcomes

Upon completion of the course the student will be able to:

1. Identify problems in our society for which statistical analyses are suitable.
2. Compute and interpret descriptive statistics.
3. Solve basic probability problems. Distinguish between continuous and discrete probability distributions. Perform calculations involving various probability distributions including Binomial and Normal distributions.
4. Estimate the population mean and population proportion, and determine sample size.
5. Estimate the difference between two means, or two proportions.
6. Test hypotheses about a mean, a proportion, a difference of two means, or a difference of two proportions.
7. Perform basic correlation and simple linear regression analysis.
8. Perform basic categorical data analysis.
9. Perform basic statistical data analysis with the aid of a computer software package.

3. Required Materials

(a) Texts: Diaz, Barr, & Cetinkaya-Rundel; OpenIntro Statistics 3rd Ed.

You can download or find a copy for purchase: https://www.openintro.org/stat/textbook.php?stat_book=os

(b) Other: A Sharp EL-531 Scientific Calculator. *No other calculators are allowed for tests and the final examination.*

(c) Lab manual: available for download on D2L

4. Course Content and Schedule

Excel Labs

This course includes computer lab sessions designed to familiarize students with the use of a computer program to perform data analysis and the procedure of reporting data analysis results. Microsoft Excel will be used for this purpose. The lab instructions along with lab assignments can be found on D2L.

Homework

The homework for this course will include 1) **Hard copy written** assignments, 2) **Lab** assignments, 3) **Online WeBWoRk** assignments, and 4) Suggested problems from the textbook (answers for these problems are given in the textbook). *In order to get a full understanding of the course materials, it is necessary to complete both sets of homework. It is essential to do homework after every class and to keep up consistently. **Cramming does not work for this course.***

Tests and Practice Tests

There will be three tests. Before each of the 3 tests, there will be a practice test. You are encouraged to ask questions and to work together with peers during these practice test sessions. The practice tests and their solutions are posted on Desire2Learn. *You will benefit most from*

these practice tests if you have all notes reviewed, all homework problems completed and a summary sheet made before you attempt the problems.

Attendance

Attendance is essential. Showing up to classes is the easiest and most important thing you can do to help you succeed the course. **Keeping up is an essential part of any statistics course as much of the material builds on itself.** If you feel yourself falling behind at any point during the term, then please do not hesitate to come to speak to me.

Math Lab

You can get **free face-to-face tutoring** from our instructional assistant in the Math Lab **E224**. Lab hours are posted on the lab doors and on the Math Department page <http://camosun.ca/learn/programs/math/>. Find out what hours work for you best (when the lab is the least busy).

Desire2Learn (D2L)

This class has the assistance of D2L, an online course management system. All course related materials, such as slides, Lab materials, practice tests and their answers, grades, discussion forum and announcements will be available on D2L. It is your responsibility to check it regularly.

5. Basis of Student Assessment (Weighting)

Assignments (Hand in and Webwork)	15%
Lab Assignments	5%
3 Tests	40%
Lab Final	10%
Cumulative Final Exam (3 hrs)	30%

All tests must be written during the scheduled times. In the event that you missed a test or did poorly on a test due to family emergency or illness, the weight of the test will be put on the final exam if the instructor is notified *immediately*. Final examinations will be scheduled by the college and they will take place during December 11 - 19. You must be available to write the final examination at the scheduled time. Holidays or scheduled flights are not considered as emergencies.

6. Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
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I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and the College web site in the Policy Section.