

COURSE SYLLABUS



COURSE TITLE: BUS 145—Business Data Analysis
CLASS SECTION: 001
TERM: Winter 2024
COURSE CREDITS: 3
DELIVERY METHOD(S): Face-Face Lecture/Lab

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

INSTRUCTOR DETAILS

NAME: Robert Baskerville-Bridges
EMAIL: bridgesr@camosun.ca
OFFICE: CBA 223
HOURS: Tue/Thu 9:00 a.m. -10:00 a.m.
Also, feel free to stop by whenever I'm in my office.
Email to set up a specific appointment time outside of office hours

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

This course provides students with an opportunity to explore data management and data analysis and the role that they play in supporting business goals. Students will design and develop a relational database and use advanced spreadsheet skills to support data analysis and decision making.

PREREQUISITE(S):

C in BUS 140

COURSE LEARNING OUTCOMES / OBJECTIVES

Upon successful completion of this course a student will be able to:

1. Describe how information systems support business operations.
2. Build and use spreadsheet models to assist decision making.
3. Use miscellaneous tools such as data tables, scenarios, and solver to perform sensitivity analyses and to examine other what-if scenarios.
4. Use spreadsheet software to perform various data analysis tasks using tables, subtotals, pivot tables, pivot charts, conditional functions, and database functions.
5. Construct and interpret a variety of system description documents, including requirements analysis and simple entity relationship diagrams.
6. Construct a small relational database application including tables, queries, forms, reports, and a basic user-interface such as a switchboard or tabbed form.
7. Apply data integrity tools such as input masks and validation rules to spreadsheet and database data.
8. Integrate data from various sources for the purpose of mail/e-mail merging or for further analysis using spreadsheet software.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Students who wish to do homework outside the college must have access to a computer capable of running the Microsoft Office suite (including Word, Excel, PowerPoint, and Access). A significant portion marks comes from the database (Access) component, and Access is not available for Macs. All practical exercises, assignments, and exams are done in Office 2021 under Windows 10. Ensure that all electronic files submitted are Office 2021 compatible files. Some functionality may be lost when converting files; if in doubt, create and save your files in Office 2021.

Microsoft Office is available as a free download for students from the following link:

<http://camosun.ca/services/its/other-services.html>

Hardware and software assistance is available from ITS: <https://camosun.ca/services/its/contact-its-services>

Students will also require a memory stick or personal online storage.

OPTIONAL MATERIALS

There is no required textbook for this course.

The practical exams will be open book, open notes, open files, and open Internet. (Verbal and electronic communications and headphones are prohibited.) Students are encouraged to make notes and have reference material available.

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

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

BUS 145--001 W 2024			
Tentative Schedule--Subject to Change Updated 2023-12-30			
Week	Session	Date	Content
1	Session 1	Tue, Jan 09	Introduction; How IS Supports Business Operations; Data Collection, Summary, Analysis (Excel Review)
1	Session 2	Thu, Jan 11	Presenting Information: Formatting; Various Charts; Integration with Word and PowerPoint
2	Session 3	Tue, Jan 16	Excel Data Management: Tracking; Various data validation techniques
2	Session 4	Thu, Jan 18	Excel Data Management: (Sorting, Filtering, Subtotals, PivotTables)
3	Session 5	Tue, Jan 23	Excel Data Management: Various data analysis tools; Advanced Filters; Downloading and Cleaning Data; Various Excel Functions
3	Session 6	Thu, Jan 25	Excel Data Management: Various data analysis tools; Database Aggregate Functions; Conditional Functions
4	Session 7	Tue, Jan 30	Excel Data Management: Various data analysis tools; Projections
4	Session 8	Thu, Feb 01	Excel Data Management: Various data analysis tools; What if: Goal Seek, Scenario Manager, Data Tables
5	Session 9	Tue, Feb 06	Excel Data Management: Various data analysis tools
5	Session 10	Thu, Feb 08	Excel Data Management: Review Theory Exam 1 (4%)
6	Session 11	Tue, Feb 13	Practical Exam 1 (25%)
6	Session 12	Thu, Feb 15	Data Modelling: Business Processes/Requirements Analysis
7	Session 13	Tue, Feb 20	Reading Break
7	Session 14	Thu, Feb 22	Reading Break
8	Session 15	Tue, Feb 27	Database Design: Data Dictionaries; Review of Access
8	Session 16	Thu, Feb 29	Database Implementation (Access): Relationships/Table Construction/Properties, Lookups, Data Entry
9	Session 17	Tue, Mar 05	Queries: Detail / Summary; Calculated Fields / Functions
9	Session 18	Thu, Mar 07	Specialized Queries: Action, Crosstab, Find Duplicates, Find Unmatched, etc.
10	Session 19	Tue, Mar 12	Queries
10	Session 20	Thu, Mar 14	Review for Practical Exam 2
11	Session 21	Tue, Mar 19	Practical Exam 2 (20%)
11	Session 22	Thu, Mar 21	Reports: Based on Tables and Queries; Formatting, Editing, Grouping, Sorting, Calculations
12	Session 23	Tue, Mar 26	Forms: Based on Tables and Queries; Formatting, Data Entry, Editing, Look Ups; Properties
12	Session 24	Thu, Mar 28	Interface Development: Navigation Forms; Command Buttons; Menus
13	Session 25	Tue, Apr 02	Interface Development: Navigation Forms; Command Buttons; Menus
13	Session 26	Thu, Apr 04	Integration; Importing/Exporting Data; Mail Merge; Sorting, Filtering in Word Theory Exam 2 (4%)
14	Session 27	Tue, Apr 09	Integration; Importing/Exporting Data; Mail Merge; Sorting, Filtering in Word Review
14	Session 28	Thu, Apr 11	Practical Exam 3 (10%)

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>

Exercises and Assignments	37%
Practical Assignments (Seven of equal weight: the lowest one will be dropped at the end of the term)	18%
Exercises (Eleven of equal weight: the lowest two will be dropped at the end of the term)	9%
Project: Reports, Forms, UI	10%
Exams	63%
Theory Exams	8%
Theory Exam 1	4%
Theory Exam 2	4%
Practical Exams	55%
Practical Exam 1	25%
Practical Exam 2	20%
Practical Exam 3	10%

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 [Grade Review and Appeals](#) policy for more information.

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

COURSE GUIDELINES & EXPECTATIONS

WORKLOAD

Students are expected to consult the course website and then read any materials and watch any videos for the coming class (beforehand), to attend all meetings of the class, to develop class and study notes, to complete all exercises and assignments (in-class and take home), and to prepare for examinations. Students will typically spend at least one hour outside of class for each in-class hour.

CLASSES

Students are expected to attend all classes. However, please do not attend class if you are ill. As a business courtesy, please e-mail your instructor if you are going to miss a class.

The School of Business at Camosun College has a posted set of professional values. Please ensure you are familiar with the School of Business' Student Professionalism guidelines:

<https://camosun.ca/programs-courses/school-business/current-business-students>

Professional business conduct is expected during class.

GRADES

Individual marks for D2L quizzes, for exercises and assignments, and for exams are shown in the D2L gradebook. Students are encouraged to check the posted grades and discuss any discrepancies immediately. The official final grades will be made available from the Registrar's Office on myCamosun.

EXERCISES AND ASSIGNMENTS

Exercises must be submitted, typically at the end of class. Exercises are marked, but not in great detail.

Assignments have very specific requirements, and are marked formally.

Exercises and assignments take various forms: in-class discussions, in-class exercises and assignments (both on paper and in specific software), and on-line in D2L. At various times, there will be both in-class and take-home exercises and assignments. Some assignments require a physical printout as part of the submission.

Unless otherwise specified, you are to submit your own work. Any collaborated work (unless permitted by the course) will be considered in violation of the College's Student Conduct Policy.

SCHOOL OR DEPARTMENTAL INFORMATION

DEADLINES AND EXAMS

You must submit your exercises and assignments on the due date or as announced. **A grade of zero will be assigned to late submissions.** There are no additional practice/exercises or assignments or make-up exams of any kind if you performed poorly on a practice/exercise, assignment, midterm or final exam. If you have any questions regarding a mark on an exercise or assignment, please contact your instructor within one week. Exercise and assignment marks will not be reviewed later in the term.

1. **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 which must be submitted and then accepted by the instructor.
2. Students registered through the Centre for Accessible Learning (CAL) should discuss timelines with their instructors at the beginning of each semester.
3. Please note that in medically valid cases, make-up exams may be scheduled during the next term.
4. Exam times are posted on the website and discussed in class. Students should arrive early to an exam, and have their student card as ID. Seating will be assigned randomly. Late arrivals may not be permitted to write the exam.

TECHNOLOGY SUPPORT

Although you are responsible for ensuring that your own personal computer is configuring appropriately, Camosun College is committed to helping students succeed.

Support is available through ITS via email (support@camosun.ca) and by phone at 250-370-3064.

NOTE: No technical hardware or software installation support is available from your instructor; please contact ITS. Your instructor can answer questions about how to use the software once it is up and running.

If you have any issues with D2L (the learning management system), Blackboard Collaborate (the video conferencing software), or myCamosun, support is available through ITS via email (support@camosun.ca) and by phone at 250-370-3064. The walk-up support centres on campus provide help during posted office hours.

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.

See the School of Businesses Top 10 Professional Values:

<https://legacy.camosun.ca/learn/school/business/current-students/professional-values.html>

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.

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

Camosun College is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging appropriate academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a documented disability and think you may need accommodations, you are strongly encouraged to contact the Centre for Accessible Learning (CAL) and register as early as possible. Please visit the CAL website for more information about the process of registering with CAL, including important deadlines:

<https://camosun.ca/cal>

Academic Progress

Please visit <https://camosun.ca/sites/default/files/2023-02/e-1.1.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 <https://camosun.ca/sites/default/files/2021-05/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <https://camosun.ca/registration-records/tuition-fees#deadlines>.

Grading Policy

Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

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 ([see policy](#)). Please visit <https://camosun.ca/services/forms#medical> 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: <https://camosun.ca/sites/default/files/2021-05/e-2.9.pdf> and camosun.ca/services/sexual-violence-support-and-education. 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 <https://camosun.ca/sites/default/files/2021-05/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.