

**CAMOSUN COLLEGE**  
**School of Trades and Technology**  
**Department of Computer Science**

**COMP 144 – Web Development**  
**Fall 2022**

**COURSE OUTLINE**

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The calendar description is available on the [calendar.camosun.ca](http://calendar.camosun.ca)  
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*Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.*

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### 1. Instructor Information

(a) Instructor	Benjamin Leather
(b) Office hours	By Appointment
(c) Location	Technology Building 267
(d) Phone	N/A (please email) <b>Alternative:</b> N/A
(e) E-mail	<a href="mailto:leatherb@camosun.ca">leatherb@camosun.ca</a>
(f) Website	D2L

### 2. Intended Learning Outcomes

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

- Demonstrate a basic understanding of the fundamental technologies of the internet (HTTP, TCP/IP, DNS), browsers, domains, URLs, and web servers.
- Demonstrate basic proficiency in using HTML to develop web content
- Demonstrate proficiency in using HTML 5 to develop web content
- Demonstrate proficiency in using CSS 3 for web page layout and design.
- Demonstrate an understanding of human-computer interaction (HCI), visual design, and usability principles
- Demonstrate basic proficiency using web development tools to build web sites
- Demonstrate the ability to connect to college servers remotely using SSH to upload and manage web content.
- Explain the concept of relational databases (RDBMS)
- Understand the terminology associated with relational databases
- Understand Structured Query Language (SQL)
- Retrieve information from an industry-standard RDBMS using SQL
- Demonstrate SQL usage for filtering data in a SELECT statement

- Demonstrate SQL usage for using arithmetic expressions to perform calculations
- Demonstrate SQL usage by viewing table structure, editing a SQL statement, saving and running scripts, formatting columns, defining and using variables, and creating reports
- Demonstrate the ability to use simple RDBMS built-in functions (for example, computing averages or square root)
- Demonstrate SQL usage for storing and processing dates and times within an industry standard RDBMS
- Demonstrate SQL usage for changing the content in a relational database, including the INSERT, UPDATE, and DELETE statement

Week numbers relate to the schedule listed in *Course Content and Schedule* below.

### 3. Required Materials

- (a) Texts
  - none, online notes
- (b) Other
  - COMP 144 Lectures and Labs

### 4. Course Content and Schedule (Tentative)

Week 01: Introduction to HTML  
 Week 02: Internet / HTML Basics  
 Week 03: Forms  
 Week 04: CSS  
 Week 05: HCI and UI  
 Week 06: Bootstrap  
 Week 07: Midterm  
 Week 08: Portfolio  
 Week 09: DBMS  
 Week 10: Simple Queries  
 Week 11: Joins  
 Week 12: Sub Queries  
 Week 13: Workbench  
 Week 14: Complex SQL

Final Exam: TBD

This schedule is subject to change.

### 5. Basis of Student Assessment (Weighting)

- (a) Assignments
 

Labs (excluding 7)	50%
Lab 7	10%

**Must complete all labs to pass the course**
- (a) Exams
 

Midterm	20%
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**Must have a passing average to pass the course**

Final Exam	20%
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**Must pass the final to pass the course**

**Mark appeals must be made within 7 days of the mark being posted.**

## 6. Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

(Mark with "X" in box below to show appropriate approved grading system – see last page of this template.)

Standard Grading System (GPA)

Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

None

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

### College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

## A. GRADING SYSTEMS <http://www.camosun.bc.ca/policies/policies.php>

The following two grading systems are used at Camosun College:

### 1. 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		1
0-49	F	Minimum level has not been achieved.	0

## 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

## B. 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 at <http://www.camosun.bc.ca/policies/E-1.5.pdf> for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.

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.
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