

CAMOSUN COLLEGE
School of Trades and Technology
Computer Science Department

ICS 120 – Database Concepts
Winter 2020

COURSE OUTLINE

The calendar description is available on the Camosun web site at

<http://camosun.ca/learn/calendar/current/web/ics.html>

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.

1. Instructor Information

(a) Instructor	Doug Greening
(b) Office hours	By Appointment, Mon 1:30-2:30, Thurs 1:30-2:30
(c) Location	TECH 255
(d) Phone	Please e-mail
(e) E-mail	greeningd@camosun.bc.ca
(f) Website	D2L

2. Course Content

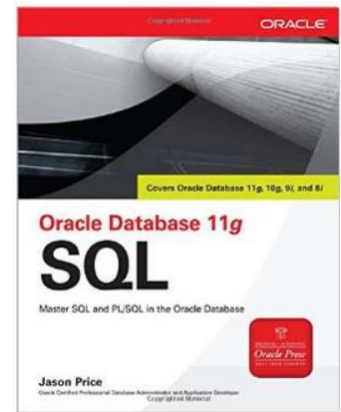
- Into to Databases and Database Management Systems
- Relational Model and Relational Algebra
- DML: Select, Insert, Update and Delete
- Joining tables
- Functions and Group Functions
- Date and Time formats
- Subqueries
- Database Normalization
- Database normal forms from first, second, third and BCNF
- DDL including creating, modifying and removing tables
- Creation of primary keys
- Database table management and constraints
- Database synonyms, views, sequence and indices
- Database security

3. Materials

(a) Course notes will be provided in the form of pdfs on the D2L site.

(b) Required Text

Jason Price, Oracle Database 11g SQL, Master SQL and PL/SQL in the Oracle Database



4. Course Schedule

10:00					ICS-120 X02A LEC 01	ICS-120 X02B LEC 01	ICS-120 X02A LEC 01	ICS-120 X02B LEC 01
	ICS-120 X02B LAB 01 Database Concepts IN TEC 150 Weeks: 1-14			ICS-120 X01B LAB 01 Database Concepts IN TEC 257 Weeks: 1-14	Databas 01	Databas 01	Databas 01	Databas 01
11:00					IN TEC 147	IN TEC 147	IN TEC 148	IN TEC 148
					Weeks: 1-13	Weeks: 1-13	Weeks: 1-13	Weeks: 1-13
12:00					14	15	16	17
13:00								
14:00		ICS-120 X02A LAB 01 Database Concepts IN TEC 273 Weeks: 1-14						
15:00	ICS-120 X01A LAB 01 Database Concepts IN TEC 257 Weeks: 1-14				ICS-120 X01A LEC 01	ICS-120 X01B LEC 01	ICS-120 X01A LEC 01	ICS-120 X01B LEC 01
					Databas Concept	Databas Concept	Databas Concept	Databas Concept
16:00					IN TEC 147	IN TEC 147	IN TEC 148	IN TEC 148
					Weeks: 1-14	Weeks: 1-14	Weeks: 1-14	Weeks: 1-14
17:00					9	10	11	12

5. Basis of Student Assessment (Weighting)

(a) Assignments

Lab 30%

Must complete ALL labs and pass to pass the course

(b) Mid-Term

10%

- (c) Exams (Written and Practical) 60%
Must pass the combined exam with a 55% average to pass the course

Late work will **not** be accepted, except by the instructor's prior written permission or in the presence of a dire and documented short-term medical or family emergency. Mark appeals must be made **within 7 days** of the mark being posted.

6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

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, Student Services or the College web site at <http://www.camosun.bc.ca>

STUDENT CONDUCT POLICY

There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
<http://www.camosun.bc.ca/policies/policies.html>

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.