



CAMOSUN COLLEGE
Trades and Technology
Electronics and Computer Engineering

CCNA 1
Fall 2022

COURSE OUTLINE

The calendar description is available on the web @ camosun.ca

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	Gurbinder Dhade
(b) Office hours	Via email
(c) Location	CBA 122B
(d) Phone	Alternative: _____
(e) E-mail	dhadeg@camosun.bc.ca
(f) Website	camosun.ca

2. Intended Learning Outcomes

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

- identify the various physical and logical topologies of LANs in common use today;
- implement various LAN configurations using the Cisco CLI;
- recall common networking models including TCP/IP, OSI and IEEE;
- explain and apply IP addressing to network devices; and
- apply basic TCP/IP troubleshooting tools and diagnostic software.

3. Required Materials

(a) Texts

No printed text

Materials: Cisco Introduction to Networks – hosted on Cisco NetSPACE (netacad.com)

(b) Other

4. Course Content and Schedule

1. Networking Today
2. Basic Switch and End Device Configuration
3. Protocols and Models
4. Physical Layer
5. Number Systems
6. Data Link Layer
7. Ethernet Switching
8. Network Layer
9. Address Resolution
10. Basic Router Configuration
11. IPv4 Addressing
12. IPv6 Addressing
13. ICMP
14. Transport Layer
15. Application Layer
16. Network Security Fundamentals
17. Build a Small Network

- Sep 5 - Labor Day - College closed (Week 1)
- Oct 10 - Thanksgiving Day - College closed (Week 6)
- Nov 11 - Remembrance Day - College closed (Week 10)

5. Basis of Student Assessment (Weighting)

(a) Lab Activities	=	20%
(b) Packet Tracer Assignments	=	10%
(c) Module Group Exams	=	20%
(d) Final Exam		
Skills Exam (Practical)	=	30%
Final Exam (Theoretical)	=	20%
	=	100%

Please note the following:

- A grade of 60% or better is required in all assessment items above to be able to pass the course.
- A grade of 60% or better is required in all assessment items above for this course to qualify as a prerequisite.
- All Labs must be completed before or by the end of the lab period.
- All Packet Tracers must be completed before or by the due date/time (homework).
- No late materials (labs/packet tracer) will be accepted past midnight of the last day of the course.
- Late materials will receive a grade of zero.
- No opportunity will be available to write missed module exam.

- A student is required to inform the instructor prior to being late or missing a class, or as soon as possible.

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

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://camosun.ca/about/policies/index.html>

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://camosun.ca/about/policies/index.html> 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.