

# COURSE SYLLABUS



COURSE TITLE: ELEX-139A: PC Server Fundamentals

CLASS SECTION: BX01

TERM: Winter 2022

COURSE CREDITS: 3

DELIVERY METHOD(S): Blended Learning

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](#).

For COVID-19 information please visit <https://camosun.ca/about/covid-19-updates>

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*Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Ian Cameron

EMAIL: [cameron@camosun.bc.ca](mailto:cameron@camosun.bc.ca)

OFFICE: TB211

HOURS: 8:30 – 4:30

*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

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Students will cover topics relating to PC Server configuration and maintenance in this course. Students will study topics including the roles of network servers, server OS installation and setup, hardware components, network and client configuration, and server role installation and setup using both hardware and virtual machines. Students will be prepared to complete the Microsoft Server certification upon completion of this course.

This course is only open to students enrolled in Computer Network Electronics Technician Program.

PREREQUISITE(S): C in ELEX138, C in ELEX 133A

CO-REQUISITE(S):

EXCLUSION(S):

## COURSE LEARNING OUTCOMES / OBJECTIVES

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

1. identify and describe the different server roles in a network installation.
2. describe the operation of server-based networks.
3. install and configure network operating systems on servers.
4. perform remote server maintenance.
5. configure user accounts on server computers.
6. configure and apply group policies on server systems.
7. configure and manage virtual servers and workstations.
8. describe and practice disaster recovery methods for servers.

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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Course Purchase - **TestOut Server Pro 2016: Install & Storage** (ISBN 978-1-935080-65-7) from TestOut.com

Access to D2L course content – [online.camosun.ca/d2l](http://online.camosun.ca/d2l)

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

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

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
Week 1	Chapter 1 - Introduction to Server	
Week 2	Chapter 2 / 3 - Server Installation and Configuration	
Week 3	Chapter 4 - Networking	
Week 4	Chapter 5 – Server Storage	
Week 5	Chapter 6 – Hyper-V	
Week 6	Chapter 7 – Active Directory	
Week 7	Reading Break – no classes	
Week 8	Chapter 8 – Group Policy	Mid Term Exam
Week 9	Chapter 9 - DNS	
Week 10	Chapter 10 / 11 – File and Shares and Printing Services	
Week 11	Chapter 12 – Server Management	

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
Week 12	Chapter 13 - DHCP	
Week 13	Chapter 14 - Containers	
Week 14	Chapter 15 – High Availability	
Week 15	Final Exam	

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 notice 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>

## EVALUATION OF LEARNING

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DESCRIPTION	WEIGHTING
D2L Assignments	10%
D2L Quizzes	10%
Term Test	20%
Final Exam	35%
TestOut Labs	10%
In Class Labs	10%
Instructor Assessment	5%
	<b>TOTAL</b> 100%

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](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information.

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

## COURSE GUIDELINES & EXPECTATIONS

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**D2L Assignments** are weekly assignments that must be completed and submitted to the correct dropbox by Friday 11:55 pm each week. As the solutions to assignments are provided the next day, absolutely **no late assignments will be accepted.**

**Chapter quizzes** will be based on the online TestOut material completed in class via D2L. There will be no opportunity to make up missed quizzes.

There will be one **term test** spaced near the middle of the course (week 8 lab period) covering topics up to the end of Week 7.

There is a practical / written **3-hour final** covering all topics at the end of the term during exam week.

**Lab attendance is mandatory.** The lab mark will consist of:

**Online Labs** – there are many virtual lab activities (TestOut) that will need to be completed throughout the course. Virtual online labs can be attempted multiple times to achieve 100% completion. Virtual lab activities will be checked for completion by Friday midnight of the corresponding week and a grade assigned based on the level of completion.

**Completion of Labs** – In-class labs must be completed by the end of the lab period and submitted to the correct dropbox by Friday midnight each week.

**Instructor's Assessment** - based on the student's demonstrated technical ability, effort put into lab exercises, attitude, attendance, work habits, and participation in class.

Professionalism: "the skill, good judgment, and polite behavior that is expected from a person who is trained to do a job well" (Merriam Webster online). Students will be evaluated on the above as well as their ability to work well with others.

It is the student responsibility to read the online TestOut Curriculum for that week in advance in order to develop a clear understanding of the content covered in class and lab.

**NOTE: Any late assignments, labs, missed quizzes will result in a mark of zero. Only the term test may be made up due to illness as long as an acceptable doctor's note is provided.**

Please also note the following:

1. A grade of 50% or better is required in all assessment items above to be able to pass the course.
2. A grade of 60% or better is required in all assessment items above to qualify as a prerequisite.
3. No late materials will be accepted past 11:55 PM of the weekly due date – Fridays.
4. No opportunity will be available to write missed quizzes.
5. Attendance and completion of all lab material is mandatory to pass the course.

## SCHOOL OR DEPARTMENTAL INFORMATION

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Camosun College – School of Trades and Technology - Electronics

<https://camosun.ca/programs-courses/school-trades-technology/technology-programs>

## STUDENT RESPONSIBILITY

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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.

## SUPPORTS AND SERVICES FOR STUDENTS

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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	<a href="http://camosun.ca/advising">http://camosun.ca/advising</a>
Accessible Learning	<a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a>
Counselling	<a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>
Career Services	<a href="http://camosun.ca/coop">http://camosun.ca/coop</a>
Financial Aid and Awards	<a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>
Help Centres (Math/English/Science)	<a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>
Indigenous Student Support	<a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>
International Student Support	<a href="http://camosun.ca/international/">http://camosun.ca/international/</a>
Learning Skills	<a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>
Library	<a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>
Office of Student Support	<a href="http://camosun.ca/oss">http://camosun.ca/oss</a>
Ombudsperson	<a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>
Registration	<a href="http://camosun.ca/registration">http://camosun.ca/registration</a>
Technology Support	<a href="http://camosun.ca/its">http://camosun.ca/its</a>
Writing Centre	<a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>

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.

## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](http://camosun.ca/accessible-learning/) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

### Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

### Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/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 <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

### Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### 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. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> 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: <http://camosun.ca/about/policies/education-academic/e-2-student-services->

and-support/e-2.9.pdf and [camosun.ca/sexual-violence](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-3703841

### 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 <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

**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.