

COURSE SYLLABUS



COURSE TITLE: ELEN 135 Linux Essentials

CLASS SECTION:

TERM: Winter 2023

COURSE CREDITS:

DELIVERY METHOD(S): Blended Learning

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

Learn more about Camosun's

The COVID-19 pandemic has presented many challenges, and Camosun College is committed to helping you safely complete your education. Following guidelines from the Provincial Health Officer, WorkSafe BC, and the B.C. Government to ensure the health and wellbeing of students and employees, Camosun College is providing you with every possible protection to keep you safe. Our measures include COVID Training for students and employees, health checks, infection control protocols including sanitization of spaces, PPE and ensuring physical distancing. For details on these precautions please follow this link: <http://camosun.ca/covid19/faq/covid-faqs-students.html>. However, if you're at all uncomfortable being on campus, please share your concerns with your Instructor. If needed, alternatives will be discussed.

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

NAME: Trevor Curtis

EMAIL: curtis@camosun.ca

OFFICE: cba 122

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

Students will learn how to use the Linux command line editor, and will develop an understanding of the processes, programs and components of the Linux operating system. The students will use primarily the Linux command line interface to configure programs, files and directories, set file attributes and permissions, and manage users and groups.

PREREQUISITE(S):

CO-REQUISITE(S):

EXCLUSION(S):

COURSE LEARNING OUTCOMES / OBJECTIVES

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

- recall the characteristics of Linux operating systems;
- practice command line instructions on a virtual Linux environment;
- perform file management on a virtual Linux environment;
- demonstrate text output and scripting techniques on a virtual Linux environment;
- identify Linux system components;
- configure and secure user accounts and groups on a virtual Linux environment;
- describe and configure network settings on a virtual Linux environment;
- identify and modify file attributes on a virtual Linux environment; and
- change file ownership and permissions on a virtual Linux environment.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Texts - No printed text

Materials: NDG Linux Essentials – hosted on Cisco Netspace (netacad.com)

Access to Camsoun D2L Course

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.

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
1	<u>Introduction: Intro to Linux and Operating Systems</u>	<u>Reading</u>
	Seminar <ul style="list-style-type: none">- LPI Linux Overview- Module 1 – Introduction to Linux - Module 2 – Operating Systems	Linux Module 1
	Lab <ul style="list-style-type: none">- Introduction to Linux	Linux Module 2

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
2	<p><u>Working in Linux and Open Source Software and Licensing</u></p> <p>Seminar - Module 3 – Working in Linux</p> <p>- Module 4 – Open Source Software/Licensing</p> <p>Lab -</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
3	<p><u>Command Line Skills and Getting Help</u></p> <p>Seminar - Module 5 – Command Line Skills Linux Module 5</p> <p>- Module 6 – Getting Help Linux Module 6</p> <p>Lab -</p>	<p><u>Reading</u></p> <p>Linux Module 5</p> <p>Linux Module 6</p>
4	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p>- Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 7</p> <p>Linux Module 8</p>
5	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p>- Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 9</p> <p>Review</p>
6	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Mid Term theory and practical exam</p>	<p><u>Reading</u></p>

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
7	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Reading break – review past materials and work ahead</p>	<p><u>Reading</u></p> <p>Linux Module 10</p> <p>Linux Module 11</p>
8	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p> - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
9	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p> - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
10	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p> - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
11	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p> - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
12	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux</p> <p> - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
13	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
14	<p><u>Introduction: Intro to Linux and Operating Systems</u></p> <p>Seminar - LPI Linux Overview - Module 1 – Introduction to Linux - Module 2 – Operating Systems</p> <p>Lab - Introduction to Linux</p>	<p><u>Reading</u></p> <p>Linux Module 3</p> <p>Linux Module 4</p>
15	Final Exam - TBA	

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

DESCRIPTION	WEIGHTING
Labs	25
Chapter Exams	30
Term test	20
Final Exams (theory and practical)	25
TOTAL	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>

The following criteria must be met:

- Students must obtain a minimum weighted average of 60% in theory evaluations (tests, examinations etc.) in any course that is a pre-requisite for subsequent courses.

- Students must obtain a minimum weighted average of 60% in lab evaluations (lab performance, reports, etc.) in any course that is a pre-requisite for subsequent courses.
- Students must obtain a minimum of 50% on the final examination for a course in order to receive a passing grade.
- Failure to meet any one of these criteria will result in a student receiving a failing grade for the course.
- All assignments (laboratory work, reports, etc.) must be submitted prior to a student writing a final examination. ALL assignments must be submitted in order to qualify to write a final exam.
- Late assignments will have marks deducted; if handed in after assignments are returned to the class, then no mark will be awarded, but the assignment must be submitted.

COURSE GUIDELINES & EXPECTATIONS

SCHOOL OR DEPARTMENTAL INFORMATION

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.

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/>.

Academic Advising	http://camosun.ca/advising
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Accessible Learning	http://camosun.ca/accessible-learning
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Counselling	http://camosun.ca/counselling
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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.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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](#) (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. To contact the Office of Student Support: 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.