

SENG 275

SOFTWARE TESTING

DR. NAVNEET KAUR POPLI

DEPT. OF ELECTRICAL AND COMPUTER
ENGINEERING



INTRODUCTION



Territory Acknowledgement

- We acknowledge and respect the ləkʷəŋən peoples on whose traditional territory the university stands, and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.



Please treat everyone with respect and appreciate Equity, diversity and Inclusion in your thoughts and actions

- Canadian Human Rights Act has a goal of ensuring equal opportunities to individuals and prohibits discrimination based on the following prohibitory grounds:
 1. Race
 2. National or ethnic origin
 3. Colour
 4. Religion
 5. Age
 6. Sex
 7. Sexual orientation
 8. Gender identity or expression
 9. Marital status
 10. Family status
 11. Genetic characteristics
 12. Disability and
 13. Conviction for an offence for which a pardon has been granted or in respect of which a record suspension has been ordered.



Administration

- Classes: TWF 12:30-01:20 pm, PST, mode: F2F
- Room: COR A125
- Email: npopli@uvic.ca
- Office hours: TF 2:00-3:00 pm
- Room: EOW 421
- Labs start: 08 May, Room: ECS 342
- Lab TAs:
 1. Shreya Goyal (shreyagoyal@uvic.ca): B01, T 1:30-3:20 pm
 2. Anuinder Sekhon (anuindersekhon@uvic.ca): B02, W 1:30-3:20 pm
 3. Shuja Mughal (shujamughal@uvic.ca): B03, W 3:30-5:20 pm



Course overview

- This course is a practical introduction to testing in a modern software development environment.
- The purpose of the course is to give you working knowledge of testing and software development practices, so you are prepared for “real world” software testing.
- Through a combination of labs, assignments, and practical exercises, you will gain experience applying testing techniques to a non-trivial software product.
- We will be using Brightspace as the course website.



Learning Outcomes

1. Distinguish among and choose from appropriate testing techniques
2. Describe the goals, approach and principles of software testing
3. Understand pragmatic software testing, ticketing and test reporting
4. Evaluate test organization and environment
5. Implement test cases and employ tools for automated execution of tests
6. Explain test coverage for a software product



Evaluations

Exam	Weight	Assigned Date	Due Date
Assignment1	10%	2023-05-30	2023-05-10
Assignment 2	10%	2023-06-24	2023-07-05
Assignment 3	10%	2023-07-19	2023-07-28
Midterm Exam 1	10%		2023-05-30
Midterm Exam 2	10%		2023-06-27
Midterm Exam 3	10%		2023-07-26
Final Exam	20%	TBD	
10 Labs	20%	TBD	

Grading

In order to pass the course, a student must obtain a passing grade in all the following four items:

- (1) an overall passing course grade;
- (2) a passing grade on the average of the lab assignments;
- (3) a passing grade on the average of the midterm exams;
- (4) a passing grade on the average of the assignments.
- (5) a passing grade on the final exams.

