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| Course Code | SFT221 | Course Section | NFF | Course Title | Software Testing |
| Term | Winter 2024 (2241) | Course Outline Link | Course Outline Link | Instructional Mode | In Person |
| Scheduled Weekday for Lecture | Friday | Scheduled Class Start Time (in Eastern Time) | 11:40 AM | Scheduled Class End Time (in Eastern Time) | 2:20 PM |
| Professor's Name | Fagun Vankawala | Professor's Email Address | fagun.vankawala@senecapolytechnic.ca | Professor's Telephone Number | N/A |
| Scheduled Office Hours | Periodically as required | Professor's Preferred Method of Communication | Email / Teams | Expected Response Time | Up to 2 days |

Assessment Summary

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| Workshops (4 @ 3% and 2 @ 4%) | 20% |
| Project (6 Milestones @ 30%, 2 Presentations @ 10%) | 40% |
| Tests (Test1 10%, Test2 10%, Test3 20%) | 40% |

The semester starts on January 8, 2024

| Week | Class type | Topics/Activities | Instruction Mode | Class Location | Assessment (Type and weight) |
|------------------------------------------------------|-----------------|------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------|-----------------------------------------------|
| Week 1 Jan 8 – Jan 12 | Lecture and Lab | Introduction Importance of Testing Types of Testing | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 1: Debug 3% |
| Week 2 Jan 15 – Jan 19 | Lecture and Lab | Test Data Selection | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 2: Testing 3% |
| Week 3 Jan 22 – Jan 26 | Lecture and Lab | Unit Testing Testing in Visual Studio Test Coverage | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 3: Unit Testing 3% |
| Week 4 Jan 29 – Feb 2 | Lecture and Lab | Debugging Techniques | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 4: Debugging 3% |
| Week 5 Feb 5 – Feb 9 | Lecture and Lab | Visual Studio Debugging | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 5: VS Debugging 4% Test 1: 10% |
| Week 6 Feb 12 – Feb 16 | Lecture and Lab | Other Debugging Tools Debugging Other Languages | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Workshop 6: Logs 4% |
| Week 7 Feb 19 – Feb 23 Mon Feb 19 is a holiday | Lecture and Lab | Software Development Life Cycle Testing in the Life Cycle Testing Life Cycle | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 1 4% |

Study Week is February 26 to March 1, 2024

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| Week 8 Mar 4 to Mar 8 | Lecture and Lab | Quality Assurance The Software Test Plan Jira | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 2 4% |
| Week 9 Mar 11 to Mar 15 | Lecture and Lab | Version Control Test Cases | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 3 4% |
| Week 10 Mar 18 to Mar 22 | Lecture and Lab | Bug Reporting | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project MS4 - 5% Test 2: 10% |
| Week 11 Mar 23 to Mar 29 Fri Mar 29 is a holiday | Lecture and Lab | Quality Assurance Workflow | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 5 Presentation 1: 5% |
| Week 12 Apr 1 to Apr 5 | Lecture and Lab | Debugging On Linux Debugging On Web Browsers | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 5 8% |
| Week 13 Apr 8 to Apr 12 | Lecture and Lab | Review | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Project Milestone 6 5% Presentation 2: 5% |
| Week 14 Apr 13 to Apr 19 | Lecture and Lab | Final Test | In-Person (Attend on campus) | Physical Classroom (Newnham Bldg C - C3032) | Test 3: 20% |

Other Important Semester Dates

February 19, 2024 is Family Day and Seneca is closed

March 29, 2024 is Good Friday and Seneca is closed

Study Week is February 26 to March 1, 2024

The semester ends April 19, 2024

IMPORTANT INFO

Approved by:

Kathy Dumanski, Chair, School of Software Design and Data Science

Please read this addendum to the general course outline carefully. It is your guide to the course requirements and activities.

Please refer to the course outline for learning outcomes, course description and text and materials.

[Please also visit Welcome | School of Software Design and Data Science \(senecacollege.ca\) for key information on courses, graduation requirements, transfer credit, and more from the School of Software Design and Data Science.](#)

Course Policies

To obtain a credit in this subject, a student must have a passing average for the course AND a weighted passing average for the tests.

Each student has an allowance of 2 late days for individual work and teams have an allowance of 4 late days for teamwork. This means you can be late for two days for individual work and four days for group work without penalty. You could be 1 day late on four group assignments or 4 days late on 1 group assignment. Any late work beyond that will be NOT be accepted without prior consent of your instructor.

Although students are not required to successfully complete workshops, and projects, it is very difficult to pass the course without successfully completing most term work.

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|----|------------------------|
| A+ | 90% to 100% |
| A | 80% to 89% |
| B+ | 75% to 79% |
| B | 70% to 74% |
| C+ | 65% to 69% |
| C | 60% to 64% |
| D+ | 55% to 59% |
| D | 50% to 54% |
| F | 0% to 49% (Not a Pass) |

Academic Policies

<http://www.senecacollege.ca/about/policies/academics-and-student-services.html>

For further information, see a copy of the Academic Policy, available online (<http://www.senecacollege.ca/about/policies/academics-and-student-services.html>) or at Seneca's Registrar's Offices.

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