EXPANDED COURSE DESCRIPTION
ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Lassonde School of Engineering
Electrical Engineering Computer Science

LE / EECS 4313 3.0 SECTION Z
SOFTWARE ENGINEERING TESTING
FALL 2017 / WINTER 2018

Last Modified Date: 08/18/2017

COURSE CALENDAR DESCRIPTION
An introduction to systematic methods of testing and verification, covering a range of static and dynamic techniques and their use within the development process; emphasizes the view that design should be carried out with verification in mind to achieve overall project goals. Three lecture hours per week. One term. Three credits. Prerequisites: General prerequisite; LE/EECS 2030 3.00 or LE/EECS 1030 3.00; LE/EECS 3311 3.00. Course credit exclusions: LE/CSE 4313 3.00, AK/AS/SC/CSE 4313 3.00. (NOTE: The General Prerequisite is a cumulative GPA of 4.50 or better over all major EECS courses. EECS courses with the second digit "5" are not major courses.)

INSTRUCTOR(S)

<table>
<thead>
<tr>
<th>Name</th>
<th>Section / Format / Term</th>
<th>Contact Email</th>
<th>Contact Phone</th>
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<tbody>
<tr>
<td>Jiang, Zhen Ming</td>
<td>Sec. Z / LECT / W</td>
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SPECIAL FEATURES

CALENDAR DESCRIPTION OF THE COURSE
This course gives an introduction to systematic methods of testing and verification, covering a range of static and dynamic techniques and their use within the development process. The course emphasizes the view that design should be carried out with verification in mind to achieve overall project goals.

LEARNING OUTCOMES
- Learn testing techniques and the situations in which they apply
- Apply real-world testing tools and frameworks
- Learn how to file bug reports
- Understand and apply different manual and automated software testing techniques
- Understand the importance of systematic testing

GRADED ASSESSMENT
The weight distribution of the course components is as follows:
- 35% - Assignments
- 20% - Midterm
- 45% - Final Exam

ACADEMIC INTEGRITY LINKS
- Senate Policy on Academic Honesty - http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/
- Academic Integrity - http://lassonde.yorku.ca/academic-integrity

STUDENT LINKS
- Student Rights and Responsibilities - http://oscr.students.uit.yorku.ca/student-conduct
- Religious Observance - https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs
Many courses utilize Moodle, York University's course website system. If your course is using Moodle, click here to access it.

Moodle @ York University