

CS 511 – Fall 2020 Semester

CS 511 Official Website: [Formal Methods for High-Assurance Software Engineering](#)

CS 511 Piazza Website: for all communications, announcements, and extra material

Instructor: Assaf Kfoury

Lectures: Tue, Thur, 12:30-1:45 pm

Tutorial Labs: Wedn, 2:30-3:20 pm

2 September 2020

Addendum 01

READING MATERIAL:

- *Logic in Computer Science [LCS]*, by Michael Huth and Mark Ryan.
- Many handouts, posted regularly:
 - **lecture slides**,
 - **lecture notes**.
- A few references for how to use **Z3** and **Z3Py** (already posted).
- A few references for how to use **Prover9+Mace4** (not yet posted).

SOME NUMBERS:

12 homework assignments,

posted on Friday by 11:59 pm, due following Friday by 11:59 pm:

- about half hand-written exercises (preferably typeset with Latex),
- about half Z3 and Z3Py implementations, plus a few Prover9+Mac4 implementations,

all submitted and graded via [*Gradescope*](#).

One mid-term exam,

in-class or take-home (not yet decided)

One end-of-term exam,

in-class or take-home (not yet decided)

Students registered for CS 511 (as of 2 September 2020):

- 5 seniors
- 3 first-year grad students
- 11 second-year grad students
- 3 third-year grad students

Coverage in Fall 2020 will be similar, but not identical, to coverage in Fall 2019.

CS 511 Website for Fall 2019: [Formal Methods for High-Assurance Software Engineering](#) .

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