

**March 2020: This syllabus has been revised from the original, to accommodate the online classes. The exact lectures and content are made available online.**

Syllabus CSC419 – Spring 2020

Instructor: Odelia Schwartz

TA: Xu Pan

Grading: 85% assignments; 15% quizzes

Exact topic per lecture might change.

Note: As per the email, the first two quizzes will count as 15% of the final grade (since the original 4 quizzes were supposed to cover 30% of the grade). After the current assignment, there are two remaining assignments, one on functional languages and one on logical languages. In lieu of the remaining quizzes, each of the two remaining assignments will be extended in length and absorb the extra 7.5% from the respective quiz.

- Jan 14: Introduction
- Jan 16: Continue introduction  
Start history of programming languages (part 1)
- Jan 21: Continue history of programming languages (part 2)  
(PROBLEM SET 1 assigned)
- Jan 23: Describing Syntax (chapter 3, part 1).
- Jan 28: Syntax and Static Semantics:  
Describing Syntax and static semantics (chapter 3, part 2).  
(PROBLEM SET 1 due; PROBLEM SET 2 assigned)
- Jan 30: Continued semantics.
- Feb 4: Names, binding, and scopes (chapter 5)
- Feb 6: Continued Names, binding, and scopes. Focus on scopes.
- Feb 11: Data types, part 1 (chapter 6)  
(PROBLEM SET 2 due; PROBLEM SET 3 assigned)
- Feb 13: (QUIZ 1)
- Feb 18: Continue chapter 6
- Feb 20: Finish chapter 6
- Feb 25: Chapter 7
- Feb 27: Complete chapter 7  
Also discuss chapter 9 parameter passing methods for subprograms.  
(PROBLEM SET 3 due; PROBLEM SET 4 assigned)
- March 3: (QUIZ 2)
- Spring break
- March 24: Start functional languages Chapter 15
- March 26: Functional languages, chapter 15  
(PROBLEM SET 4 due; PROBLEM SET 5 assigned)
- March 30: Continue functional languages, chapter 15
- April 2: Continue functional languages, chapter 15
- April 7: Continue functional languages, chapter 15
- April 9: ML language; start Haskell

- April 14: Haskell. Functional capabilities of imperative languages. Python functional capability examples
- April 16: (PROBLEM SET 5 due; Problem set 6 assigned)  
Logical continued.
- April 21: Logical languages and Prolog (chapter 16)
- April 23: Continue Prolog
- April 28: Continue Prolog
- April 30: Continue Prolog
- May 5: PROBLEM SET 6 due. Summary