

Course Syllabus: Principles of Programming Languages CS322  
Instructor: John Sarkela  
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## Description:

This course presents a survey of programming language paradigms. Topics covered include formal languages, automata, computability, and grammars as exemplified by representative languages from the major programming language paradigms. Languages studied this semester will explore interpreters, object oriented languages, logic languages and functional languages.

## Organization:

This course will consist of lecture, written assignments and programming assignments. There will be a mid-term exam and a final exam.

## Course Objectives:

Students will be introduced to

- automata theory
- formal languages
- regular expressions and context free grammars
- interpreters and compilers
- computer architecture
- PERL, Scheme, Smalltalk

## Grading:

- 50% Mid-term and Final Exam
- 40% Quizzes and written assignments
- 10% Class participation

## Disability Services:

**If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.**