

# CS 475: Programming Languages

Fundamental principles of programming language design, syntax, semantics, paradigms (functional, logic, structured, and object-based), and implementation. Concepts include programming language constructs such as binding, binding times, data types and implementation, operations (assignment data-type creation, pattern matching), data control, storage management, parameter passing, and operating environment. (This course will enter the rotation when enrollment in the major is sufficient to support.)

**Hours:** 3

**Prerequisites:**

CS350.

**Program:** [Computer Science](#)

**Semester Offered:**

Fall