



CS 310 – Principles of Programming Languages

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- In order to exhibit a basic understanding of functional programming languages, the student will be able to write simple Scheme programs consisting of multiple function definitions.
- In order to exhibit a basic knowledge of logic programming languages, the student will be able to write a simple Prolog program.

Assessment Instruments:

Programming assignments (60 %)

Exams (30 %)

Final Exam (10 %)

There will be three examinations. All exams will be comprehensive_in nature.

Attendance Policy:

Attendance is expected as well as required for each lecture. A penalty of 3% will be deducted from the final course grade for each missed lecture in which attendance was recorded (instructors prerogative on a lecture by lecture basis).

Course Grading:

A: [90% - 100%]

B: [80% - 90%)

C: [70% - 80%)

D: [60% - 70%)

F: below 60%)

CS body of knowledge core topics (from CC2001):

- PL1: Overview of programming languages
- PL2: Virtual machines
- PL3: Introduction to language translation
- PL4: Declarations and types
- PL5: Abstraction mechanisms
- PL6: Object-oriented programming
- PL7: Functional programming
- PL--: Logic programming
- PL8: Language translation systems
- PL9: Type systems
- PL10: Programming language semantics
- PL11: Programming language design

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