1. Introduction

Lecture 01 - Introduction.pdf
General introduction and details about the syllabus

Learning Outcomes

Fluency in core programming concepts including data representation, procedural representation, grammars, environment models, parsing, evaluation, paramter passing, continuation passing.

Page 19 includes interesting topics about the whole course.

1. **Imperative:** Program state is changed via commands.
2. **Procedural:** An extension of imperative, where code is organized into procedures or functions.
3. **Functional:** Computation based on the evaluation of mathematical functions, avoiding state and mutable data.
4. **Object-oriented:** Datafields are treated as objects, manipulated through predefined methods.
5. **Declarative:** Focuses on what needs to be done rather than how to do it.