

# CS100: CPADS

## Introduction to CS

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# What Computer Science is & is not

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- Computer Science is NOT programming
- Computer Science is about identifying problems and determining how to solve those problems algorithmically
  - Problems may be broken down into smaller tasks
  - Programs are merely a tool to facilitate the process of solving problems

# About CPADS I

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- **Introduction course to provide everyone a common knowledge base with regards to programming concepts**
- **First part of the semester will include in-class software activities designed to help you develop algorithmic problem solving skills**
- **Second part of the semester will include in-class programming activities designed to familiarize you with basic programming constructs as well as important debugging techniques**
- **Attendance in CPADS is mandatory** as there will be periodic quizzes and daily lab activities that require your presence
  - Attendance will be taken at the beginning of each class

# Programming Assignments

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- All programming assignments will be done in **Python** (a scripting language)
- Programming assignments will focus on **concepts, rather than syntax** (i.e. program structure necessary to solve problems)
  - Problem solving
  - Program structure
  - Debugging