Course Overview

CS 1025 Computer Science Fundamentals I

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Administrative Matters

• Course Outline
• Pre-requisites and anti-requisites
Who is this course for

- Self-placement of “advanced” students with “significant” programming experience.

- In practice this means you have written programs using your own arrays and functions (a.k.a. methods, procedures, ...
Objectives

• You will become proficient in object-oriented programming with Java.

• It is *not* all about programming, however.

• You will learn about many of the central ideas of computer science, including
  – foundational theoretical concepts
  – main ideas of various specialized areas
Who is your professor?

• Stephen Watt
  – PhD Waterloo
  – IBM Research for 12 years
  – University of Nice (France)
  – U Western Ontario since 1997

• Some of the things I’ve been up to...
  – Building computer algebra systems
  – Writing compilers
  – Pen-based computing

  – Research consortia, companies, conferences