

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 11 years
- Some of the things I've been up to...
 - Building computer algebra systems
 - Writing compilers
 - Pen-based computing
 - Research consortia, companies, conferences