

CSCI201: Software Development

Course Coordinator

David Wilczynski

Other instructors for course

None

Textbooks and other required materials

Reading materials on Website:

- The class topics: [CSCI201Curriculum.htm](#)
- A guide to agents: [AgentRoadmap.htm](#)

Major Topics

1. Concurrent Programming (using an agent methodology and messaging)
2. Software Engineering Principles (requirements, interaction diagrams, design)
3. Operating System Principles (processes, threads, address spaces)
4. Concurrency (shared data, critical sections, semaphores, monitors)
5. Unit Testing (refactoring, using JUnit)
6. Working on Teams (eXtreme Programming, pair programming, team ethics)
7. Using Team Oriented-Tools (wiki, subversion software version control)
8. Team project in conjunction with csci105