CSC 4111
Software Engineering Lab

Credit Hours: 1 credit hour

Course Coordinator: Prof. Vaclav Rajlich


Other Supplemental Materials: Microsoft Visual Studio 2013 Professional or Ultimate Qt 5 (GUI framework), CMake (Multi-Platform build system), StarUML (Drawing UML diagrams), Tortoise SVN (Version Control System)

Course Description: Mandatory two-hour closed lab; lecture materials and hands-on exercises which complement CSC 4110.

Prerequisite: CSC 2200 and CSC 2201, both with a grade of C or better

Co-requisites: CSC 4110

Student Outcomes:
1. Summarize and apply software configuration-management techniques and tools. L,k
2. Enhance existing realistic software by adding new features to it. c,l,k
3. Collaborate with peers working in a software development team. d
4. Practice software engineering techniques to system development and apply appropriate metrics. C,l,k

Brief list of topics to be covered:
    Software technologies; software models; concept location; impact analysis; refactoring; verification; software processes; team programming; ethics and programmers