

**Course: CS-489 SOFTWARE ENGINEERING DESIGN (Section 1)**

*Time & Loc:* Lecture: M, W, F: 3:00pm – 3:50pm (CC-53)  
Lab: Tue: 2:00pm - 4:50pm (CC-36)

*Instructor:* Dr. Jeff Blessing  
*E-mail:* blessing@msoe.edu  
*Web:* http://www.msoe.edu/~blessing/cs489  
*Office:* CC-27a  
*Hours:* Mon., Wed, and Fri.: 11:00am – 11:50am, and by appointment  
*Phone:* 277-7194  
*Text:* *Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and the Unified Process, 2<sup>nd</sup> Edition*  
by Craig Larman,  
Prentice Hall PTR, © 2002, ISBN: 0-13-092569-1

*Objective:* This course involves the formulation, analysis, design, implementation, testing and documentation of a software team project. The labs will be arranged into groups, with each group having the responsibility of creating a software system to solve a proposed problem. Team members will be assigned to particular tasks based on their assessed skills. Team leaders will also be needed to lead each group. The intent is to make the class experience as close to a real-world software development effort as possible.

*Grading:*

Project	30%
Weekly Quizzes	30%
Final (week 11)	30%
Peer Assessment	10%

*Attendance:* Although not reflected for the grading this course, attendance is strongly encouraged. If chronic absenteeism is a problem, attendance will be formally taken. Exam & Quiz material will come from both the text and class discussions.

*Late Policy:* Assignments are due at the beginning of the class period that was designated as their due date. A 10% penalty will be assessed for each day an assignment is late.

*Projects:* Each group will have the task of writing an object-oriented program that addresses the need of an identified customer. The OOA/OOD tool that we will use is of the student's choosing: either Rational's Rose for Java/C++ development or TogetherSoft's Control Center 5.02, also for C++/Java. For the most current information on Rose, visit: [www.rational.com](http://www.rational.com). Look into the links for: Rose, the Unified Modeling Language, or the UML Resource Center. Also, an interesting archive on FAQ's regarding Rose is available from the publication *Café Rose* at <http://café.rational.com/rose>. For Together, visit [www.togethersoft.com](http://www.togethersoft.com) for details, and browse their community development site at [www.togethercommunity.com](http://www.togethercommunity.com).