

Wright State University

CORE Scholar

Computer Science & Engineering Syllabi

College of Engineering & Computer Science

Fall 2009

CEG 760-01: Advanced Software Computer Engineering

Thomas C. Hartrum

Wright State University - Main Campus, thomas.hartrum@wright.edu

Follow this and additional works at: https://corescholar.libraries.wright.edu/cecs_syllabi



Part of the [Computer Engineering Commons](#), and the [Computer Sciences Commons](#)

Repository Citation

Hartrum, T. C. (2009). CEG 760-01: Advanced Software Computer Engineering. .
https://corescholar.libraries.wright.edu/cecs_syllabi/920

This Syllabus is brought to you for free and open access by the College of Engineering & Computer Science at CORE Scholar. It has been accepted for inclusion in Computer Science & Engineering Syllabi by an authorized administrator of CORE Scholar. For more information, please contact library-corescholar@wright.edu.

CEG760 Advanced Software Engineering

Fall Quarter 2009

Wright State University

Course Description

This course covers advanced topics in software engineering. Aspects of problem specification, design, verification, and evaluation are discussed. We will focus on design methods, including software patterns and software architecture, plus some advanced topics involving formal methods of software specification or evaluation using software metrics. Students will participate in team projects to apply the methods discussed.

Professor

Dr. Thomas C. Hartrum

Office: 337 Russ Engineering Center

Office Hours: T, W, R 3:00 – 4:30 or by appointment.

Office Phone: 775-5015

Email: thomas.hartrum@wright.edu

Web: www.cs.wright.edu/~thartrum

Class Hours: T R 8:00 P.M. – 9:15 P.M., Russ Engineering, Room 153.

Texts

Partha Kuchana, *Software Architecture Design Patterns in Java*, Auerbach, 2004.

Jos Warmer & Anneke Kleppe, *The Object Constraint Language Second Edition*, Addison-Wesley, 2003.

Additional papers will be handed out as appropriate.

Prerequisites

CEG 660

Grading

Grading will be as follows:

Homework	10
Projects	30
Midterm	30
Final Exam	30

Course grades will be based on the total score as follows. A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: below 60. Grades may be further curved if appropriate.

The projects will be worked in teams of two or three. You may pick your partner(s) or I will pick them. More detail on the projects will be provided later.