

# Course Syllabus

## CS 542 Design and Implementation

**PREREQUISITE:** CS 541 or consent of instructor.

**COURSE OBJECTIVES:**

Re-engineer a high quality software product on time. Consider software engineering issues including planning, requirements, design, coding, quality assurance, configuration management, and measurement. You will put into practice methods and techniques for, analyzing, specifying, creating, reviewing, and presenting software products.

**INSTRUCTOR:**

Name: Joel Henry  
Office: Social Sciences 408  
Office Hours: M – W 9:00 – 12:00; Tu-Th 1-3  
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**TOPICS:**

- 1 Software product and process.
- 2 Project management.
- 3 Process and process measurements.
- 4 Project planning and scheduling.
- 5 Project management.
- 6 Software quality assurance.
- 7 Configuration management.
- 8 Conventional requirements analysis and specification.
- 9 CASE tools and environments.

**Text:**

*Software Project Management*, Henry.

**Course Deliverables:**

Presentations	30%
Final Exam	20%
Attendance and class participation	10%
Project tasks	40%

**Grading:**

Grading scale: 59.5 or lower F, 59.6-69.5 D, 69.6-79.5 C, 79.6-89.5 B, 89.6 – 100 A  
Incompletes will only be given for medical or personal reasons that can be documented by the appropriate authorities.

**Late Policy:** Hand in materials:

1 day (24 hours) -	10%
2 days (48 hours) -	30%
3 days (72 hours) -	50%
4 days or more -	No thanks, I don't want it.

Presentations:

No late presentations.

## *Computer Science 542 - Syllabus*

### **Cheating:**

Plagiarism will be handled harshly, as per the Student Conduct Code. You may fail the assignment or the course. MY ADVICE: Take an F rather than cheat.

### **Tentative Schedule:**

<b>Week</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
1	Jan. 23 – Introduction, Syllabus, Course Information, group assignment	Group scheduling and functional overviews	Group scheduling and functional overviews
2	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
3	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
4	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
5	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
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11	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
12	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
13	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
14	Group scheduling and functional overviews	Group scheduling and functional overviews	Group scheduling and functional overviews
15	Group assessment presentations	Group assessment presentations	Group assessment presentations
16	<b>Final Exam –</b>	<b>Henry text</b>	<b>Henry text</b>