CSC559

Agile Methods

Tuesday, 6:30p - 9:15p, MCT265

Dr. Chen Huo

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Office Location: MCT150
Office Hours: Link to my calendar

The content of this schedule may change during the semester.

Course Description:

This course is a highly focused introduction to programming in C language. It covers the basics of programming including procedures, variables, types, loops, and control structures. It also covers abstract data structures such as linked lists, stacks and queues. In addition, the course also covers the essentials for programming in Unix, such as using Vim, command-line tools and debuggers.

Credit Hours: 3

Text(s): *Agile & Iterative Development*, 1st Edition
Author(s): Craig Larman; **ISBN-10:** 0131111558

Text(s): *Agile Estimating and Planning*, 1st Edition
Author(s): Mike Cohn; **ISBN-10:** 0131479415

Text(s): *The Goal*, 3rd Edition
Author(s): Eliyahu Goldratt and Jeff Cox; **ISBN-10:** 0884271781

Grade Distribution:

Attendance/Participation	10%
Quizzes	60%
Final Exam	30%
Extra Credits	$0 - 5\%$

Letter Grade Distribution:

>= 93.00	A	70.00 - 76.99	C
90.00 - 92.99	A-	60.00 - 69.99	D
87.00 - 89.99	B+	<= 59.99	F
83.00 - 86.99	B		
80.00 - 82.99	B-		
77.00 - 79.99	C+		

Course Policies:

- **Lecture Notes**

  - Slides will be released as notes on D2L after every lecture.
  - Students are expected to take notes. Some contents in the slides and written on the board are not from the textbook. You are recommended to use an actual notebook instead of a computer to take notes. Research show that using a computer to take notes not only distracts other people but also affects your own productivity. You may consider to scan your notes once for a while.
  - All important materials of the course will be managed on D2L, e.g. homework copies, quiz solutions.

- **Homework Submission**

  - Late policy: Homework that is late will be hit with a 20% penalty for the first 48 hours, and will not be accepted thereafter.
  - Format: Homework must be submitted in the correct format (both digital and hard-copy). The wrong format may result in a zero for the certain homework.

- **Grades**

  - All grades that matters will be maintained on D2L. Students are responsible for tracking their progress by referring to the online gradebook. D2L will also tell you what final grade is expected if you are consistent in your performance.
  - You can dispute your grade for a certain item within **ONE** week after the grade is released. For example, you *cannot* dispute your grade of the first homework at the end of the semester.
  - The lowest quiz will be dropped.

- **Attendance**

  - Attendance is expected. Attendance checks are performed in the form of quizzes.
  - If possible, please inform me of your absence before class.
  - If you are not able to make the notice before class, you will have to provide formal evidence, such as doctor's notes, military training notice, etc.

Academic Honesty Policy Summary:
Those students found violating Shippensburg's academic dishonesty policy will be dealt with on a case by case basis. Minimal punishment should it be a first offense is a zero for the assignment and signing a form admitting to the offense. Second offenses are handled directly by the office for the Dean of Students. See additional information about academic Dishonesty within the Computer Science Department

Tentative Course Outline:
The weekly coverage might change as it depends on the progress of the class. The students will be advised when to read the corresponding material.
You are expected to read **3** chapters of *The Goal* every week.

Week	Lecture	Reading Assignment
Week 1	Course Intro	AID Ch1-2
		Royce paper
Week 2	Background and Motivation	AID Ch3-4
		Lehman's Law, IDPD
Week 3	Motivation and Evidence	AID Ch5-6
Week 4	Scrum	AID Ch7
Week 5	XP	AID Ch8
Week 6	UP	AID Ch9
Week 7	EVO	AID Ch10
Week 8	**Spring Break**	
Week 9	Intro to Planning	AEP Ch1-3
Week 10	Estimating Size	AEP Ch4-8
Week 11	Planning for Value	AEP Ch9-12
Week 12	Scheduling	AEP Ch13-16
Week 13	Scheduling	AEP Ch17-18
Week 14	Tracking and Communication	AEP Ch19-21
Week 15		AEP Ch22-23
Final	Final Exam	