

# **SOFTWARE ENGINEERING, Fall 2018, CRNs: 84751/84752, CSC 4350/6350**

**TIME:** 5:30pm-7:15pm, **Days:** TR, **Location:** CLS 207 **OFFICE HRS:** Thursday (2:30pm-5pm) Or by appt.

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**PREREQUISITES:** CSC2720 (Data Structures) is enforced with grade 'C' or higher.

**TEXTBOOK:** Software Engineering, Tenth Edition, Ian Sommerville, **ISBN-13:** 978-0-13-394-303-0

**CLASS:** This is considered to be the CTW (Critical Thinking Through Writing) class of the computer science department. It means therefore, that the you will be evaluated on performance, based upon the following with regards to both assignments and exams:

1. Analysis
2. Description
3. Understanding
4. Preparation
5. Completeness
6. Writing composition and correctness: English Grammar, punctuation, content.

<b>Class Date</b>	<b>Topic / Event</b>	<b>Chapter</b>	<b>Activity</b>
2018.08.21	Introduction, Syllabus, Course Structure, Grading Schema		
2018.08.23	Project Management, Database Basics, Team Formation Assessments	<b>22</b>	dB basics NOT on exam
2018.08.28	Database Basics, Team Formation Assessments, Project Topics Announced	<b>22</b>	
2018.08.30	Teams Announced, Project Planning, , Conceptual Model	<b>23</b>	
2018.09.04	AGILE and SCRUM, Initial Backlog	<b>3</b>	
2018.09.06	AGILE and SCRUM, Backlog	<b>3</b>	
2018.09.11	<b>TEAM Presentation:</b> Backlog and Conceptual Model		SPRINT 1 Begins
2018.09.13	Introduction to Software Engineering, Software Processes	<b>1, 2</b>	
2018.09.19	Software Processes, Requirements Engineering	<b>2, 4</b>	
2018.09.20	Requirements Engineering, System Modeling	<b>4, 5</b>	
2018.09.25	Service-oriented Software Engineering	<b>18</b>	
2018.09.27	<b>TEAM Presentation:</b> SPRINT 1		SPRINT 2 Begins
2018.10.02	Midterm Exam: <b>Chapters 22,23,1,2,3,4,5,18</b>		
2018.10.04	Architectural Design	<b>6</b>	
2018.10.09	Design and Implementation: UML <b>Semester Withdraw Ends at 5pm.</b> <a href="http://registrar.gsu.edu/registration/withdrawals/">http://registrar.gsu.edu/ registration/withdrawals/</a>	<b>7</b>	
2018.10.11	Design and Implementation: UML	<b>7</b>	
2018.10.16	<b>TEAM Presentation:</b> SPRINT 2		SPRINT 3 Begins
2018.10.18	Design Patterns		
2018.10.23	Design Patterns, Software Testing	<b>8</b>	
2018.10.25	Software Evolution	<b>9</b>	
2018.10.30	<b>TEAM Presentation:</b> SPRINT 3		SPRINT 4 Begins
2018.11.01	Change management	<b>25</b>	
2018.11.06	<b>GET OUT AND VOTE!!</b>		
2018.11.08	Advanced Topics: DevOps & Big data		
2018.11.13	<b>TEAM Presentation:</b> SPRINT 4		SPRINT 5 Begins
2018.11.15	Poster Teams Workshop ( <b>optional attendance if you don't have a poster</b> )		
2018.11.20	THANKSGIVING WEEK – NO CLASS		
2018.11.22	THANKSGIVING WEEK – NO CLASS		
2018.11.27	Graduate Student Presentation and Review for Final Exam		
2018.11.29	<b>TEAM Presentation:</b> SPRINT 5		LAST CLASS
2018.12.04	Final Exam 4:15pm – 6:45pm (undergraduate students only)		

2018.12.10	<b>Product Video Due: 9:30pm in iCollege Dropbox – NO LATE EXCEPTIONS, i.e., zero grade</b>		
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### Additional Course Information

**Student Computer Access Requirement:** Each student enrolled at Georgia State University must have access to a computer, and any course offered at the university may require computer-based work. It is the responsibility of each student to ensure his or her access to a computer. For more information, see page 104 in the Student Computer Access Requirement section in the 2016-2017 GSU undergraduate catalog on-line

[https://enrollment.gsu.edu/files/2016/08/Georgia\\_State\\_University\\_2016-2017\\_Undergraduate\\_Bachelor-level\\_Course\\_Catalog.pdf](https://enrollment.gsu.edu/files/2016/08/Georgia_State_University_2016-2017_Undergraduate_Bachelor-level_Course_Catalog.pdf)

**Academic Honesty:** Georgia State University has a policy on Academic Honesty. You are expected to read and observe this policy. A copy can be found at <http://education.gsu.edu/student-services/academic-honesty/>.

**Students with Disabilities:** Students who wish to request accommodation for a disability may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which an accommodation is sought.

**Student Evaluation of Instruction:** Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take the time to fill out the online course evaluation.

**Connectivity Expectations:** As GSU students, you are provided with a GSU Internet (E-mail and WWW space) account. It is your responsibility to immediately make sure your account (UserID and password) is active and up to date. All of your course materials will appear in iCollege. I will use iCollege to make announcements pertaining to the course. It is your responsibility to check your iCollege e-mail on a regular basis (at least three times each week) to make sure you keep current with the course and are prepared when you come to class each week.