Course Plan

Week	Week of	Topic	Notes
1	Jan. 6	• Course Intro and Administration • IDE installation and walkthrough • Java 1 review	• Text Chapter 1 • Install IDE • NetBeans tutorial
2	Jan . 13	• Git introduction and demo • Exercises	• Register GitHub username and account • Review ICE policies • Review project deliverable 1
3	Jan . 20	• Git operations: clone, push, pull, branch, merge • ICE policy review • ICE 1	• In-class Exercise #1: Git (5%) • Textbook chapters 1 & 2 • Install visual paradigm for Netbeans • Work on project deliverable 1
4	Jan . 27	• Class diagrams and type safety • Good class design with a card game • ICE 2	• In-class Exercise #2: Design a card game (5%) • Textbook chapter 2 (review) • Work on project deliverable 1
5	Feb. 3	• ICE 2 review and correction • Requirements • Use cases	• Academic integrity when writing code • Textbook chapter 3
6	Feb . 10	• Analysis: from use cases to design class diagrams • Midterm review	• Project Deliverable 1 Due (10%)
7	Feb . 17	• Midterm exam	• Monday February 17 Family Day - no class • Midterm exam in class (20%)
	Feb . 24	• Reading week, no classes	
8	Mar. 3	• Midterm correction review • ICE 3 • Inheritance • Aggregation	• In-class exercise #3: extending requirements using a CASE tool • Textbook chapter 5
9	Mar . 10	• Abstraction • Encapsulation • Scaling big projects	• Textbook Chapters 6 & 7 • Prepare one anecdote to share with the class about a QA failure
10	Mar . 17	• QA anecdotes • Testing	• Project deliverable 2 due (10%) • In-class exercise #4: unit testing
11	Mar . 24	• Design patterns • Project deliverable work time	• Textbook Chapter
12	Mar . 31	• Design principles • ICE 5	• In-class exercise #5: refactoring to improve design (5%) • Textbook chapter 8
13	Apr. 7	• Go over exercise 5 • Final Review	• Project Deliverable 3 Due (10%)
14	Apr . 14	• Final Exam	• Final Exam (25%)

Important

- The above course plan is subject to change.
- All tests will be given using either LockDown Browser or paper and pen.
- You have to read Missed Work Procedure.
- The 50/50 rule, stated in Course Outline, applies to your course. This means that to pass the course,
  1. your total course average, including exercises, project deliverables, the midterm, and the final exam, should be at least 50% AND
  2. the average of the midterm and the final exam only, should be at least 50%
- Following is a breakdown of your marks:

Evaluation	Weight (%)
In-class exercise 1	5
In-class exercise 2	5
In-class exercise 3	5
In-class exercise 4	5
In-class exercise 5	5
Project deliverable 1	15
Project deliverable 2	15
Midterm Exam	20
Final Exam	25
Total	100%

- Textbook: B. McLaughlin et al. Head First Object-Oriented Analysis and Design: A Brain Friendly Guide to OOA&D. O'Reilly Media, Inc. Textbook is available online here using your Sheridan credentials.
- The in-class exercises must be completed in the classroom. Only students who are physically present can receive credit, regardless of when the DropBox closes.
- Project deliverables should be submitted by the due date. Late assignments will not be accepted.
- The FAST Evaluation Policy is strictly followed. A copy is available here for students to familiarize themselves with. It is the responsibility of the student to read and understand the policy prior to the beginning of term. Academic Procedures for Evaluations
- To grade project deliverables the teacher will interview all participants. The participant with the weakest answers will determine the overall grade of the group.
- You will be programming every day. So before coming online, please create a folder for the day and have NetBeans ready. I recommend a folder structure like the following.
  `College\2025 Winter\Syst 17796\Lectures\Week 1`
- Teacher can be available outside the class time. But you will need to make an appointment with him.
- I have created this Discord server. Please use it for discussions, to ask questions, or to answer questions. Although I watch it daily, I won't answer your questions immediately, instead I will give you a chance to help each other first.
- If you have a question that can't wait, send me an email.
- Attendance will be taken.
- If exam is given on Lockdown Browser, you must be present in class to write the tests. Otherwise, your submission will not be accepted.
- Most importantly, make sure you fully understand the day's lesson before class ends.