

General Lab Policy for CSE 341 Course Spring'25

Student Version

Marks Distribution:

Criteria	Marks
Quiz	5
Lab Midterm	6
Project	8
Viva	6

Course Plan:

Before Midterm				
Week	Topic	Lab Quiz	Quiz Topic	Project
Week 1	Introduction to Assembly Language and Emu8086	No		
Week 2	Basic I/O, Advanced arithmetic operations and Flags	Yes	Introduction to Assembly Language and Emu8086	
Week 3	Flow control instructions and Branching Structures	Yes	Basic I/O, Advanced arithmetic operations and Flags	
Week 4	Flow control instructions and Looping structure	Yes	Flow control instructions and Branching Structures	Project Group Formation

After Midterm				
Week	Topic		Quiz Topic	Project
Week 5	Lab Mid	No	Topics include all the contents from Week 1 to Week 4	Project Selection
Week 6	Arrays and Addressing Modes	No		
Week 7	Macros and Procedures	Yes	Arrays and Addressing Modes	
Week 8	Stack	Yes	Macros and Procedures	
Week 9	Project Demonstration and Viva	No		Project Submission and Viva

Assessments Conduction Process:

Quiz:

The quiz will be taken in each lab on the topics of previous lab contents following the course plan. A quiz is suggested to be conducted at the **end** of every lecture with a time frame of **20/25 minutes**. The quiz questions for every lab part will be chosen by the lab instructors. It is also suggested that the quiz should have **2 (Two)** coding-related questions. Students will solve the problems in emu8086 and while evaluating the quizzes, faculties do have the **full freedom** to ask any question related to the solution of the students, **if they want**.

Each student should also submit their quiz answers in a **Google form** after the evaluation process.

Lab Midterm:

Lab Midterm will be conducted in **two segments**. Segment one will be **problem solving** using emu8086 and segment two will be students **defending their logical approaches** from their solutions.

Each student should also submit their midterm answers in a **Google form** after the evaluation process.

Lab Midterm will be conducted in **two segments**. Segment one will be **problem solving** using emu8086 and segment two will be students **defending their logical approaches** from their solutions. Questions of the midterm will be created by the **section faculties** and it should be more **challenging with a few creative twists** compared to the assignments and quizzes. Also, the midterm questions will be separated into **two sets**. Any two **adjacent students** shall not receive the **same set** of questions.

Question Quantity: 4

Marks on Each Question: 5

Total Mark: 20 (Will be converted to 6)

Each question from the topics of Week1, Week2, Week3 and Week4.

Exam Duration:

Segment One (Problem Solving Using Emu8086): 1 hour 20 minutes. + (Google form submission): 5 minutes

Segment Two (Viva): 40 minutes. (If more time is required the faculties can take that)

In the viva, students will only be defending their logical approaches from their solutions.

There will not be any separate marks for the viva. A combined marks from segment one and two should be provided to the students.

Project:

The project will be a group-based assessment—a maximum of **three(3)** students. If any student is **unable** to create a group of three members within the deadline, they should participate in the assessment with a group of **two(2)** persons. Students can either **propose their project idea** or they can select an **idea suggested by the section faculty**. After the proposal, the faculties will give feedback to the student and will **approve** the project on the **weight** of the idea. Students should participate in project

demonstrations for the evaluation process.

Project Requirements:

- Software based project (Based on assembly language, using Emu8086)
- The project should be unique and weighted enough for a course final project.
- Each project should carry at least 6(Six) features for a 3(Three) members group or 4(Four) features for a 2(Two) members group. Each group member must be assigned with at least 2(two) features.

For example:

Project Title: Security Lock

Features:

- 1)Security lock interface- code begins with a simple text-based interface labelled as Security Lock.
- 2)User Input for ID and Password-prompts the user to enter their ID and password.
- 3)Dynamic ID and Password Comparison-dynamically compares the entered ID with a predefined list of IDs and compares whether the pass is true for the ID or not.
- 4)Handling Incorrect ID and Password-If the entered ID does not match any of the predefined IDs, an error message is displayed, and the program returns to prompt the user to enter the ID again. same issue for pass.
- 5)Handling Correct ID and Password-If both the ID and password are correct, a welcome message is displayed
- 6)Handling Password Length-checks for the length of the entered password, if the pass exceeds 15 characters, error msg is displayed.

There will be absolute **Zero Tolerance** in terms of plagiarism. Any projects found copied or shallow copied from any **website, repository, or video tutorial shall be punished with a direct zero in the project along with the viva**

Viva:

The viva will be an extension of the project. Invigilators will have the full freedom to question students' **logical approach** to the projects along with **concepts from the entire course**. The evaluation process of viva will be **individual** along with **individual assessment outcomes**.

Lab Participation Process:

Attendance:

A student must satisfy 90% attendance in the lab to be able to participate in the theory final of CSE341. This is a strict attendance requirement and must be applied by the lab instructors in their sections. For exceptional situations, such as medical problems or a death in the family, the student who failed to meet the **90%** attendance requirement, must get explicit approval from the lab instructors after showing proper documents/evidence. In that regard, the lab instructors have the right to check the medical documents of the student.

Plagiarism Treatment Scheme:

If a student gets caught for plagiarism in any lab assessment task, then for the first offense of plagiarism, the student will lose all points in that particular quiz, or exam. Furthermore, the student will be marked and cautioned by the lab instructors. If the same student gets caught for plagiarism again in any later quiz, or exam then the

students will get a failing grade in the entire course. Notice that the student who was faulted twice has absolutely no right to appeal for forgiveness or a decision to overturn any authority. A student must also understand that the lab instructor has no right to forgive a student after he/she is caught for plagiarism or to overlook such incidents. Finally, a student should know that the department is giving a second chance only because some students might not understand the seriousness the university has assigned to plagiarism-related offenses. Getting a failing grade is the lowest punishment a student is supposed to get according to the university guidelines on plagiarism treatment. All students and instructors are encouraged to check the university plagiarism policy to remove any doubt in this matter. Furthermore, this only-a-second-chance policy is the dominant policy for plagiarism-related misconduct in most reputed universities of the world. In most universities, students get temporarily suspended or permanently expelled after the second offense.

Note that if a student supplies his/her assignment/quiz-answer to a fellow student the former will be punished equally as the latter.

Plagiarism Treatment and Attendance Scheme were inspired and taken from CSE 110,111,220 and 221 lab policies.

Note: The Lab Policy is subject to change due to any updated academic instructions.