Lab 00

Lab Report Guideline

Objective

1. To help students understand how to prepare and submit lab reports
2. To ensure students write reports correctly, following academic standards.

Components of the Laboratory Report

1) Cover Page

- Include course code, course title, semester, lab title, and group member names with student IDs.

2) Experiment Procedures and Results

- **Procedure**: Explain the steps of the experiment clearly and in detail so that someone else can repeat it.
- **Results**: Show the data or outcomes, using tables, graphs, or screenshots as needed.

3) Analysis of Results

- **Analysis**: Examine your results critically. Compare them to what you expected and explain any differences.
- **Data Integrity and academic honesty**: Ensure all data is accurate and unchanged. Misleading data will be considered academic dishonesty.

4) Conclusion

- Summarize the main findings from the experiment

5) Responses to Post-Experiment Questions

- Answer any questions provided by the lab manual, using data and analysis to support your answers.

6) Team Responsibilities

- Include a table listing each member's role and contributions. Ensure everyone participated in both the experiment and report.

7) Reflection / การสะท้อนผลการเรียนรู้

- Reflect on what you learned from this lab, challenges faced, and how the learning can be applied in computer and information security.

Guidelines for Conducting and Submitting the Experimental Report

1. Team Collaboration

- Each experiment is done in groups of up to 8 members.
- All members must actively participate in the experiment and report writing.

2. Ethical Considerations

- Handle all data and resources responsibly.
- Any plagiarism, including copying from other groups or sources, will result in a fail for the entire group.
- Ensure that all data collected and presented is accurate and not manipulated. Integrity in data reporting is essential for both academic and professional conduct.
- If you use AI to assist with the report, mention it clearly and ensure the work remains original. Misusing AI, such as submitting AI-generated work as your own, will result in a score of zero for the group.

3. Submission Instructions

- The lab report must be submitted as a PDF file.

- One group representative should submit the report via the designated online platform by the deadline.
- Late submissions will be penalized by 10% per day, up to 3 days. After that, the report will not be accepted unless there is a valid reason.

Grading Criteria / เกณฑ์การให้คะแนน

The following rubric will be used for grading lab reports

Criteria	Level 4 (Excellent)	Level 3 (Good)	Level 2 (Satisfactory)	Level 1 (Needs Improvement)	Level 0 (Unsatisfactory)
Cover Page (5%)	All required info, Well-formatted.	All info, minor formatting issues.	Most info, some formatting issues	Missing info or poor formatting	Cover page missing
Experiment Procedures and Results (20%)	Clear steps, accurate results, good presentation with tables/graphs	Clear steps, minor issues, good presentation	Steps not detailed, results presented with errors	Steps unclear, results inaccurate	Steps/results missing
Analysis of Results (20%)	Deep analysis, well-linked to theory	Good analysis, minor issues	Basic analysis, limited connection to theory	Weak analysis, little connection to theory	No analysis or poor connection to theory
Conclusion (20%)	Clear summary, discusses limitation and improvements	Clear summary, mentions some limitations	Basic summary, little discussion	Weak or unclear summary, no discussion	No conclusion or doesn't reflect findings
Responses to Post-Experiment Questions (15%)	All questions answered accurately, supported by data	Most questions answered correctly, supported by data	Answers lack depth or are unsupported	Some questions not answered or poorly supported	Questions unanswered or incorrect
Team Responsibilities (5%)	Roles clear, everyone contributed equally	Roles defined, minor issues in contribution	Roles unclear, uneven contribution	Poor role definition, little teamwork	No teamwork, roles not defined

Criteria	Level 4 (Excellent)	Level 3 (Good)	Level 2 (Satisfactory)	Level 1 (Needs Improvement)	Level 0 (Unsatisfactory)
Reflection (5%)	Deep reflection on learning, challenges, and connection to the field	Good reflection, some connection to the field	Basic reflection, limited connection	Minimal reflection, weak connection	No reflection or no connection