

AE 3145 Laboratory Report Format

The following is the required format for all AE 3145 lab reports.

- 1. Title Page**
- 2. Abstract** – Brief summary of the report (maximum 200 words), including conclusions; no numerical details, unless essential.
- 3. Table of Contents**
- 4. Introduction**
 - a. Background information on the lab topic
 - b. List of objectives of the experimental work
 - c. Discussion of the underlying theory
- 5. Instrumentation and Procedure**
 - a. Test apparatus design
 - b. Test specimen design or selection
 - c. Instrumentation
 - d. Uncertainty analysis or error analysis
 - e. Test procedures
- 6. Results and Discussion**
 - a. Tabular data (in Appendices, if more than 2 pages required)
 - b. Graphical data
 - c. Calculations – include worked out samples of calculations carried out.
 - d. Comparison with theory
 - e. Discussion of results
- 7. Error Analysis**
 - a. Sources of error and their evaluation
- 8. Conclusions**
- 9. Appendices** (use A, B, C, etc., or I, II, III, etc.)