

## 99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	科技英文	Serial No. / ID	1572 / MUR5018
Dept.	機械與自動化工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	梁卓中	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)12 / H467 (四)1 / H467	Language	Chinese

### Introduction

A. Da-Yeh University, Mechanical and Automation Engineering, Department of Educational Objectives:

1. A knowledge transfer: education students to apply mathematics, physics and engineering principles to solve mechanical and automation engineering problems.
2. Technical training: education students with the implementation of the experimental and theoretical application of the capability.
3. Thinking innovation: to cultivate students to independent thinking, innovative design and quality to confirm the ability.
4. Teamwork: educating students with engineering ethics and organizational communication capabilities so that they can play a team the power to resolve the professional issues.
- 5 life-long learning and a global vision: to cultivate students to have life-long learning skills and have absorbed enough to face the global demand for a wide range of professional knowledge.

B. Da-Yeh University, Mechanical and Automation Engineering Department nurturing of core competencies:

Institute

1. With Mechanical and Automation Engineering professional knowledge and technology.
2. With the planning and implementation of the thematic research capabilities.
3. With writing technical reports and papers on the ability.
4. With innovative thinking and problem-solving ability to.
5. Possess with different areas of ability to coordinate and integrate the personnel.
6. Knowledge, perspective and international outlook capability.
7. Have the leadership, management and planning capacity.
8. With life-long self to grow and learn the ability.

C. Da-Yeh University, Mechanical and Automation Engineering Course features:

1. Mathematics and basic science education
2. Engineering Professional Education
3. Designed to implement educational

#### 4. General Education

##### Course Objectives:

The primary goals of this subject are to provide the fundamentals of engineering mechanics and to apply these fundamentals to the study of vehicle crash worthiness. Also the subject will present a number of interesting and informative ancillary topics related to vehicle crashes but extending beyond purely fundamental theory.

#### Outline

##### Part I : How to Write a Scientific Paper

1. What is Scientific Writing
2. Origins of Scientific Writing
3. What is a Scientific Paper
4. How to Prepare the Title
5. How to List the Authors and Addresses
6. How to Write the Introduction
7. How to Write the Materials and Methods Section
8. How to Write the Results
9. How to Write the Discussion
10. How to Write the Abstract
11. How to State the Acknowledgements
12. How to Cite the References
13. How to Design Effective Tables
14. How to Prepare Effective Graphs
15. How to Prepare Effective Photographs

##### Part II : How to Publish a Scientific Paper

16. Where and How to Submit the Manuscript
17. The Review Process (How to Deal with Editors)
18. The Publish Process (How to Deal with Proofs)
19. The Internet and the World Wide Web

##### Part III : Others

20. How and When to use Abbreviations
21. Selected Journal Title Word Abbreviations
22. Abbreviations That May be used Without Definition in Table Headings  
Commonly use Sentences

#### Prerequisite

NO