

NATIONAL SUN YAT-SEN UNIVERSITY

Department of Mechanical and Electromechanical Engineering **Regulations for Core Courses of Postgraduate Students in Master's and** **Doctoral Programs**

Approved by the 2nd Department Research and Development Board and Division Conveners Meeting on November 20, 2007, School Year 96.

Amended and approved by the 3rd Department General Meeting on November 21, 2007, School Year 96.

- I. The present regulations are specifically issued for enhancing master's and doctoral students' research and professional abilities and to equip them with appropriate moral qualities.
- II. Core courses for the department's postgraduate students are categorized in accordance with Divisions of Thermofluid, Solid Mechanics, Control, Design and Manufacturing, and Micro-Nano Systems. Fundamental courses and professional courses are as follows:
 - A. Thermofluid Division
 1. Fundamental courses: Engineering Mathematics, Thermodynamics, Fluid Mechanics, Heat Transfer, and Thermofluids Experiment
 2. Professional courses: Lectured courses
 - B. Solid Mechanics Division
 1. Fundamental courses: Engineering Mathematics, Applied Mechanics, Mechanics of Materials, Principles of Machine Design, and Material Testing Laboratory
 2. Professional courses: Lectured courses
 - C. Control Division
 1. Fundamental courses: Engineering Mathematics, Applied Mechanics, Electric Circuit Theory, Applied Electronics, Automatic Control, Electronics Laboratory, and Control Laboratory
 2. Professional courses: Lectured courses
 - D. Design and Manufacturing Division
 1. Fundamental courses: Engineering Mathematics, Graphics, Mechanism,

Electro-Mechanical Materials, Precision Manufacturing Process, Principles of Machine Design, Mechanical Manufacturing Laboratory (or Shop Work)

2. Professional courses: Lectured courses

E. Micro-Nano Systems Division

1. Fundamental courses: Engineering Mathematics, Thermodynamics, Mechanism, Applied Mechanics, Mechanics of Materials, Electro-Mechanical Materials, Precision Manufacturing Process, Mechanical Manufacturing Laboratory (or Shop Work)

2. Professional courses: Lectured courses

- III. As postgraduate students are admitted, division faculty members of the department shall convene meetings to review students' undergraduate transcripts. A student who has not completed (at least five) fundamental courses or has insufficient number of credits, the department chair shall be notified to request the student to complete the required undergraduate course(s); the student shall complete and obtain a pass mark (60 points) for the required course(s).
- IV. Prior to graduation, division faculty members of the department shall convene meetings to review and confirm that a postgraduate student's required minimum graduating credits include at least four courses and 12 credits of the aforementioned professional lectures.
- V. The present regulations shall be implemented following approvals of department general meetings and college general meetings, as well as authorization of the president. The same procedure shall be carried out when amendments are to be made.

英文法規翻譯內容若有疑義，以中文法規為主。

For the avoidance of doubt in English version regulation, Chinese version will be prevailing.