



## Syllabus

- 1. Course name:** Internship
- 2. Course code:** GRPR442065
- 3. Credits:** 4 credits (0:4:8) (0 lecture periods, 4 lab period, 8 self-study periods per week)
- 4. Instructors**
  - Chief lecturer: Assoc. Prof. Dr. Nguyen Thanh Hai
  - Co-lecturers: M.Eng. Vo Duc Dung

### 5. Course Requirements

Prerequisite course(s): None

Previous course(s): Courses of projects and Labs

### 6. Course Description

The course trains students to have the qualities of a biomedical engineering engineer. Students are introduced to practise at domestic and foreign companies, health care units, hospitals, and medical centers in order to consolidate studied knowledge and practise good manners under the instruction of the company or hospital for internship.

### 7. Learning Outcomes (CLOs)

CLOs	Descriptions	ELO(s) /PI(s)	Competency
	<i>On successful completion of this course students will be able to:</i>		
CLO1	Ability to apply and operate practical equipment in the field of biomedical engineering.	ELO1/PI1.2	R
CLO2	Apply knowledge and appropriate application to professional practice considering the impact of the economy, society, human and safety in the biomedical field.	ELO4/PI4.2	R
CLO3	Ability to contribute individually in team works with entrepreneurship and leadership qualities	ELO5/PI5.2	R
CLO4	Ability to present and explain the internship process at the enterprise Ability to communicate, convey to people, even in English	ELO6/PI6.3 ELO6/PI6.4	R
CLO5	Ability to analyze the system for appropriate application in practice	ELO7/PI7.2	R
CLO6	Ability to do statistics and evaluate results for changing in works for practical application	ELO8/PI8.2	R

### 8. Content outline

- Discovering companies or hospitals about functions, number of employees, company/hospital structure.
- Contacting the company/hospital to confirm, listen to instructions on company/hospital rules and receive working tasks
- Performing works assigned by the company/hospital such as fault diagnosis, repairing equipment or machines, operation, business learning, social activities

- Applying learned knowledge into practice in designing, manufacturing and operating biomedical devices
- Understanding and contributing knowledge and skills in a team to complete job
- Reading and using English technical documents and communicating understanding to audiences
- Summarizing and writing a report and representation with powerpoint slides

## 9. Teaching Methods

- *Powerpoint presentation*
- *Teamwork*

## 10. Assessment(s)

- Grading scale: **10**
- Assessment plan:

No.	Content	CLOs	Competency	Assessment methods	Assessment tools	Weighting %
<b>Summative assessment</b>						<b>100</b>
1	All skills and knowledge contributed to the operation of the company/hospital	CLO1 CLO2 CLO3	R	Monitor	Rubric	70
2	Presenting learned knowledge and working process obtained at the company/hospital	CLO4	R	Written/Oral	Rubric	30

## 11. Learning Materials

- Textbook(s):  
[1] Samples for letter, rubrics, internship contents, report on the department website
- References:  
[2] Documents of enterprises and hospitals.

## 12. General Information

### Academic Integrity

All students in this class are subject to HCMUTE's Academic Integrity Policy (<http://sao.hcmute.edu.vn/>) and should acquaint themselves with its content and requirements, including a strict prohibition against plagiarism. Any violations will be reported to the Faculty of Electrical and Electronic Engineering Dean's office.

### Flexibility Notice

Any information in this syllabus (other than grading and absence policies) may be subject to change with reasonable advanced notice. Students need to regularly update the information of their registered class.

### Intellectual Property

All contents of these lectures, including written materials distributed to the class, are under copyright protection from the HCMUTE's Intellectual Property Regulations. Notes based on these materials may not be sold or commercialized without the express permission of the instructor.

## 13. Approval Date: <dd/mm/yyyy>

## 14. Endorsement:

<b>Dean</b>	<b>Head of Department</b>	<b>Chief Lecturer</b>
<b>Assoc. Prof. Dr. Nguyen Minh Tam</b>	<b>Assoc. Prof. Dr. Nguyen Thanh Hai</b>	<i>&lt;Full Name&gt;</i>

**15. Revision History:**

<b>1<sup>st</sup> Revision:</b> <i>&lt;dd/mm/yyyy&gt;</i>	Lecturer:  Head of Department: <b>Assoc. Prof. Dr. Nguyen Thanh Hai</b>
<b>2<sup>nd</sup> Revision:</b> <i>&lt;dd/mm/yyyy&gt;</i>	Lecturer:  Head of Department: