

SYLLABUS

1. Course name: INTERNSHIP

2. Course code: ININ422746

3. Credits: 2 (0/2/4)

Duration: 4 weeks outside the University

4. Instructors:

1- M.Eng. Nguyen Tan Doi

2- Assoc. Prof. PhD. Truong Dinh Nhon

3- M.Eng. Ta Van Phuong

5. Course conditions

Prerequisites: all basic and specialized courses

Corequisites: N/A

6. Course description

This course provides students the features of an electrical, automatic control engineer. Students will be introduced to companies in Viet Nam or other countries to learn, to practice, to do as an engineer. The students will be trained by experienced engineers in the companies.

7. Course Goals

Goals	<i>Goal description</i> (This course provides students:)	ELOs
G1	Real knowledge and ability to solve electrical, electronic, automatic control problems	1.1, 1.2, 3.2
G2	Ability to analyse and innovate in working	2.2
G3	Ability to communicate and work in a teamwork Ability to read documentation	2.1 2.5
G4	Ability to calculate, design, apply and operate electrical, automatic control systems	4.1 1.3 3.2

* Note: High: H; Medium: M; Low: L

8. Course Learning Outcomes (CLOs)

CLOs		Description (After completing this course, students can:)	ELOs
G1	G1.1	Represent, explain how the electrical, electronic, automatic control system operate	1.1, 1.2
	G1.2	Explain how the real phenomenons occur on a system	1.1, 1.2, 3.2
G2	G2.1	Operarte the electrical, automatic systems in company	2.2
	G2.2	Have skills, attitudes of an enginner in company	2.2

G3	G3.1	Work in teamwok, Communicate with other people in company	2.1, 2.5
	G3.2	Read English user manual of devices	2.1, 2.5
G4	G4.1	Understand how the courses apply to reality system	3.2 1.3
	G4.2	Design, apply the electrical, automatic systems in company	1.3, 4.1

9. Study materials

- Text book:

[1] Nguyen Tan Doi, Internship Report Guide, UTE

- Reference:

10. Student Assessments

- Grading points: 10

- Planning for students assessment is followed:

Type	Content	Linetime	Assessment techniques	ELOs	Rates (%)
Report 1	Information, culture of company Safe training	Week 1	Email	G3.1 G3.2 G2.2	20
Report 2	Describe equipments, systems, products in company	Week 2	Email	G1.1 G1.2 G2.1	20
Report 3	Design, operate, troubleshooting systems	Week 3	Email	G2.1 G2.2 G4.1 G4.2	20
Represent	Internship Report	Week 4	Board of lecturer	G4.1 G4.2	40

11. Course details:

Week	Contents	CLOs
1	Chapter 1: <Information of Company> (1 week)	
	A/ Contents and teaching methods: (1 week) Contents: - Overview of company - Structure of company - Culture of company - Products of company - Safe in company Teaching methods: - Depend to guider in company	G1.1 G1.2 G2.2 G3.1
	B/ Self-Study contents: (24)	

	- Depend to guider in company	
2	Chapter 2: <Operate System> (1 week)	
	A/ Contents and teaching methods: (1 week) Contents: - Consider the system - Explain how the system operate - Operate the system Teaching methods: - Depend to guider in company	G2.1 G2.2 G3.1 G3.2
	B/ Self-Study contents: - Depend to guider in company	
3	Chapter 3: <Diagnose and Troubleshoot System > (1 week)	
	A/ Contents and teaching methods: (1 week) Contents: - Analyse error on the system - Diagnose and troubleshoot the system Teaching methods: - Depend to guider in company	G1.2 G2.1 G3.1 G4.1
	B/ Self-Study contents: - Depend to guider in company	G2.1 G1.2 G4.1
4	Chapter 4: <Write Report> (1 week)	
	A/ Contents and teaching methods: (1 week) Contents: - Design the system - Write internship report Teaching methods: - Depend to guider in company - Refer to report guide documentation	G2.2 G4.1 G4.2
	B/ Self-Study contents: - Depend to guider in company - Write report	

12. Learning ethics:

Home assignments and projects must be done by the students themselves. Plagiarism found in the assessments will get zero point for midterm and final scores.

13. First approved date: August 01 2017

14. Approval level:

Dean	Department	Instructor
Assoc. Prof. PhD. Nguyen Minh Tam	Assoc. Prof. PhD. Truong Dinh Nhon	M.Eng. Tan Doi Nguyen

15. Syllabus updated process

1st time: Updated content dated	Instructors
2st time: Updated content dated	Head of department