University : Menoufiya University

College : Faculty of Electronic Engineering

Department :Industrial Electronics and Automatic Control Engineering

1- Course basic information :		
Course Code: FR182	**Course Title:** First Year Training	**Academic year:** **Level (2) – Semester : summer**
Department requirement **Faculty requirement** **University requirement**	**Teaching hours: Lecture** 24	6 **torial** 24

2- Aim of the course	• Knowing the basic Knowledge of electronic components and circuits drawing. • Allowing the students to perform experiments in electrical workshop. • Having acquired a good knowledge about the computer circuit drawing and PCB.
3- Intended Learning Outcomes:	
A- Knowledge and Understanding:	**a2,a3,a4,a10,a13,a15**
B- Intellectual Skills	**b6,b8**
C- Professional Skills	**c1,c8,c9,c12**
D- General Skills	**d1,d3,d4**
4- Course Contents	
5- Teaching and Learning Methods	- **Lectures** - **Tutorials** - **Labs and/or case studies** - **Research assignments**
6- Teaching and Learning Methods	**NA**

for disable students	
7- Student Assessment	
a- Assessment Methods	**- Weekly sheet exercises at class room** **- Quizzes** **- Labs and/or case study for more demonstration.** **- Mid term, and final exams**
b- Assessment Schedule	**- Exercise sheet/ Lab assignment : Weekly** **- Quizz-1: Week no** **- Mid-Term exam: Week no 8** **- Quizz-2: Week no** **- Lab exam: Week no** **- Final – term examination: Week no**
c- Weighting of Assessment	**- Class tutorial and quizzes : …… %** **- Mid-term examination: …… %** **- Case study and/or practical exam: …… %** **- Final – term examination: …… %** **- Other types of assessment: …… %** ** Total 100 %**
8- List of text books and references:	
a- Course notes	
b- Text books	
c- Recommended books	
d- Periodicals, Web sites ………etc	

Course contents - ILOs Matrix

Content Topics	hours	A- Knowledge & Understanding	B- Intellectual skills	C- Professional and practical skills	D- General and transferable skills
1.Electronic components and circuits drawing • Electronic component • Circuit drawing • PCB software	18	a2,a3,a4,a10,a13,a15	b6,b8	c1,c8,c9,c12	d1,d3,d4
2.Electrical workshop • Design the 555 timer circuit	18	a3,a4,a10,a13	b6	c1,c8,c9,c12	d1,d3

• Implement the 555 timer circuit. • DC power supply					
3.Computer Engineering • Introduction to HTML and PowerPoint software programming.	18	a2,a3,a4,a10,a13,a15	b6,b8	c1,c8,c9,c12	d1,d3,d4

Course coordinator: Prof. Abdelazim Sobieh Ibrahim

Head of Department: Prof. Mohamed A. Fkirin

Date: / /