Hashemite University

College of Engineering

Department of Mechatronics Engineering

Practical Training (0 Credit Hours/Dept. Compulsory)

Dr. Ahmad Al-Jarrah

Designated by department	Check with department secretary or web-site.
Email:	Check with department secretary or web-site.
Office:	Check with department secretary or web-site
Office hours:	Check with department secretary or web-site

Course

Course Number:	110405451
Prerequisite:	1. Successful completion of 112 credit hours. 2. Department approval
Textbook:	NA
Course Description:	Practical training provides the student with the opportunity to practice and/or apply knowledge and skills in various mechatronics engineering professional environments. It is intended to provide a capstone experience by integrating prior course work into a working Engineering environment. The training consists of 8 weeks of continuous training inside Jordan or outside Jordan.
Specific Outcomes of Instruction (Course Learning Outcomes)	• **CLO (1) :** Demonstrate ability to work in a professional environment **(a)-(k)** • **CLO (2):** Write technical documents and give oral presentations related to the work completed. **(a) , (b) , (c) , (e) , (g) , (k)**
Important material	- Published journals and conference papers. - Internet resources

References:

Varies with the particular project.

Student Outcomes (SO) Addressed by the Course:

#	*Outcome Description*	*Contribution*
General Engineering Student Outcomes		
(a)	An ability to apply knowledge of mathematics, science, and engineering	***H***
(b)	An ability to design and conduct experiments, as well as to analyze and interpret data	***H***
(c)	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	***H***
(d)	An ability to function on multidisciplinary teams	***H***
(e)	An ability to identify, formulate, and solve engineering problems	***H***
(f)	An understanding of professional and ethical responsibility	***H***
(g)	An ability to communicate effectively	***H***
(h)	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	***M***
(i)	a recognition of the need for, and an ability to engage in life-long learning	***M***
(j)	A knowledge of contemporary issues	***M***
(k)	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	***H***

H=High, **M**= Medium, **L**=Low