Cairo University
Faculty of Engineering

Spring 2014-2015

CUFE Two-Semester System

ILOs Evaluation

Program Code	Course Code and Title	Day	From	To	Venue	Group	No of Students
MEPcontrolDiplor	MEP566-Advanced Appl.ofHydraulics						20

	Please mark proper box to indicate how much ability you have gained for each "Intended Learning Objective".	Excellent	Very Good	Good	Fair	Poor
1	Examine, Study, and practice how to operate an industrial hydraulic circuit by using a new Virtual Lab program.	5	4	3	2	1
2	Review a total of 16 different components of hydraulic systems using a new Virtual Lab program.	5	4	3	2	1
3	Study the analogy & difference between components, operation, and functions of Hydraulic & Pneumatic control circuits.	5	4	3	2	1
4	Examine basics of Pneumatic logic circuits, processes and the use of virtual labs for Pneumatic automatic control circuits.	5	4	3	2	1
5	Basics & characteristics of proportional hydraulic valves & circuits, electric input, and feed-back of a proportional solenoid.	5	4	3	2	1
6	Define block diagram control method and electronic amplifiers used for proportional hydraulic valves.	5	4	3	2	1
7	Design parameters for closed loop circuits using proportional hydraulic valves.	5	4	3	2	1
8	Study various types of Servo-hydraulic valves & circuits, electric requirements for input, feed-back signals of servo-valves, and practical applications of servo-hydraulic circuits.	5	4	3	2	1
9		5	4	3	2	1
10		5	4	3	2	1
11		5	4	3	2	1
12		5	4	3	2	1

Your suggestions for the course: