

Course Overview

# DESIGN AND ANALYSIS OF EXPERIMENTS

تصميم وتحليل التجارب

Mahmoud Heshmat, PhD in IESM, 2018

Mechanical Design and Production Engineering Department

A Course for Postgraduate Students

لطلاب الدراسات العليا

# Course Bylaw

Hours/Week		
Lecture		Total
2		2

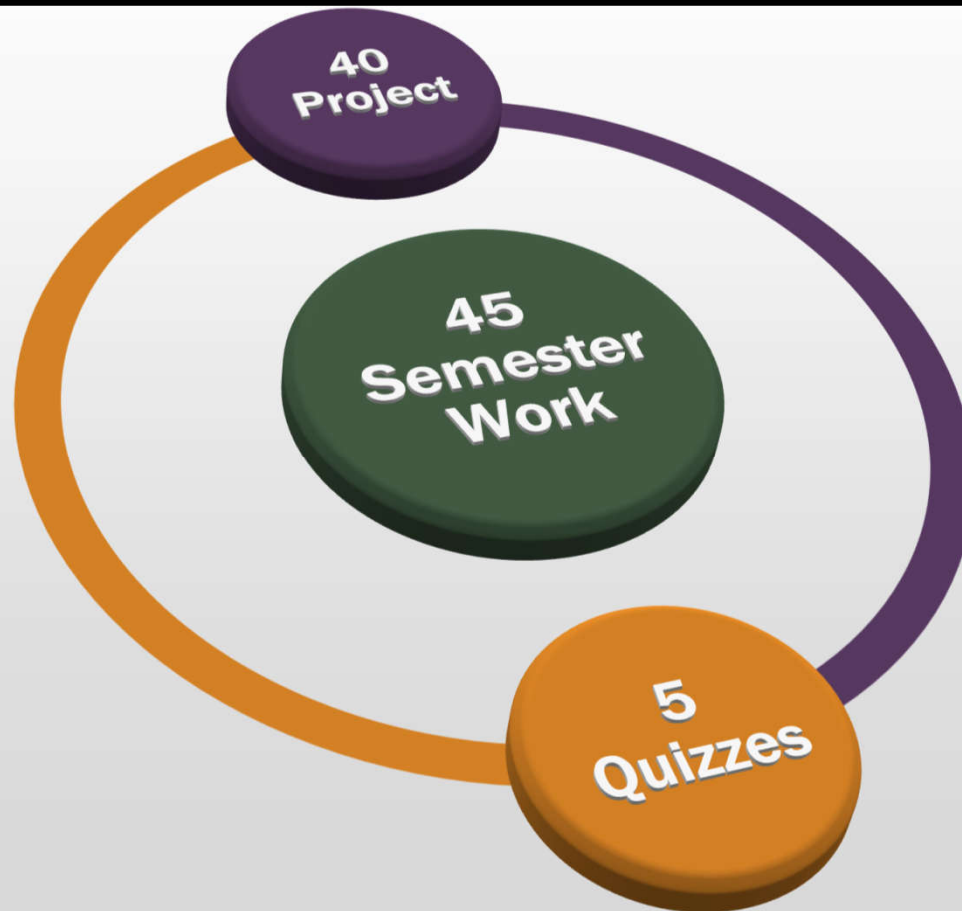
[Courses Link](#)

# Course Layout

Lecture Number	Title	Remarks
1	Basics of Statistics	
2	Test of Hypothesis	
3	Experimental Design	
4	ANOVA	
5	Factorial Design	
6	Full Factorial Design	
7	Taguchi Design	
8	Regression Analysis	
9	Other Types of Design	
10	Applications	
11	Applications	
12	Project	

# Evaluation Criteria

**Total (150) = Final Written Exam (105) + Semester Work (45)**



- Be on time**
- Feel confident**
- Focus on the issues**

**Please**