Course Report (2011 - 2012)

A- Basic Information

Course Title	Mechanics				Course Code:	EMP 012	
Lecture:	2	Tutorial:	2	Practical	0	Total	4
Programme (s) on which this course is given:				All Programs			
Major or minor element of program:			Major				
Department offering the program:							
Department offering the course:			Engineering Mathematics Physics				
Academic Year of program:	Preparatory			Level of program:		Second Semester	
Date of specifications approval:				16-3 -2010			
Names of lecturers contributing to the delivery of the course							
Course coordinator:	Prof. AbdulRahman Ali Saad						
External evaluator:							

B-Statistical Information

Attendance

No. of students attending the course:	1338	100.00%
No. of students completing the course:	1292	96.56%

Results:

Passed	1183	88.42%	Failed	109	8.15%

Grading of successful students:

Excellent:	390	29.15%	Very Good:	319	23.84%
Good :	261	19.51%	Pass:	213	15.92%

C- Professional Information

1 – Course

Week #	Topics actually taught	Lecturer	Date
1,2	Vector algebra and some of its applications in statics	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	01,03-10-2011 08,10,13-10-2011

3,4	Equilibrium of a particle, Couple, Movement of forces	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	15,17,20-10-2011 22,24,27-10-2011
5,6	Movement of forces, Equilibrium of a rigid body	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	29,31-10,03-11-2011 05,10-11-2011
7	Equilibrium of a rigid body	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	12,14,17-11-2011
8	Midterm Exam		
9,10	First moments and Centroid	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	26,28-11,01-12-2011 03,05,08-12-2011
11,12	Trusses and Cables	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	10,12,15-12-2011 17,19,22-12-2011
13,14	Friction	Prof. AbdulRahman, Dr. Mohamed, Dr. Emad	24,26,29-12-2011 31-12,02,05-10-2012
16,17	Kinematics of particles :Rectilinear motion, Curvilinear motion	Prof. AbdulRahman Ali Saad	
18,19	Kinematics of particles :Curvilinear motion, Dynamics of particles:	Prof. AbdulRahman Ali Saad	
20,21	Dynamics of particles: Projectiles, Simple Harmonic motion	Prof. AbdulRahman Ali Saad	
22	Dynamics of particles: Simple Harmonic motion	Prof. AbdulRahman Ali Saad	
23	Midterm Exam		
24,25	Work and Energy	Dr. Mohamed Yehia Akl Afifi	
26,27	Circular motion (Motion in a vertical circle and in a	Dr. Mohamed Yehia Akl Afifi	
28,29	Impulse and momentum	Dr. Emad Hassan Mohamed Ibrahim	
30	Final Exam		

Topics taught as a percentage of the content specified:

Check using the symbol √

> 90 %		70 % - 90 %	√	< 70 %	

Reasons in detail for not teaching any topic

The reason of teaching only 85% of the course is that the time was not enough.

If any topics were taught which are not specified, give reasons in detail

2- Teaching and Learning Methods:

Check using the symbol √

Lectures	√
Practical training / laboratory	
Seminar / workshop	
Class activity	√
Case study	
Project work	
Tutorial	
Computer based work	
Other	

If teaching and learning methods were used other than those specified, list and give reasons:

3. Weighting of Assessments

Assignments	
Quiz	
Mid-term exam	20%
Oral exam	
Final exam	60%
Design Project	
Report	

Experimental write up	20%
Informally assessment (Lecture attendance)	
Other	
Total	100%

Members of Examination Committee

Prof. AbdulRahman Ali Saad
Dr. Mohamed Yehia Akl Afifi
Dr. Emad Hassan Mohamed Ibrahim Zahran

Role of external evaluator

4- Facilities and Teaching Materials:

Check using the symbol √

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies

1- Scientific reference books Available to limited extent
2- Specific media Available to limited extent
3-Requisites and materials Available to limited extent

5- Administrative Constraints

No vacant well equipped classrooms

6- Student Evaluation of the course:	**Response of Course Team**
الالتزام بمحتوى المقرر و المقرر متوفر فى وقت مناسب و يعامل الطلاب باحترام	تم الاطلاع على بنود الاستبيان و اعتزم على تفادى السلبيات و نقاط الضعف قدر المستطاع فى الاعوام القادمة

7- Comments from external evaluator(s):	**Response of Course Team**
باقى النقاط تحتاج الى التحسين	

8- Course Enhancement:

Progress on actions identified in the previous year's action plan:

Action	State whether or not completed and give reasons for any non-completion

9- Action Plan for this Academic Year **2012 - 2013**

Actions Required	Completion Date	Person Responsible
زيادة الامثلة التطبيقية	الاعوام القادمة	استاذ المادة

Course Coordinator:

Prof. AbdulRahman Ali Saad
Dr. Mohamed Yehia Akl Afifi
Dr. Emad Hassan Mohamed Ibrahim Zahran

Signature:

	D	M	Y
Date:		8	2012