

Faculty of Engineering - Cairo University**Mining- petroleum - Metallurgy Engineering - First year Students****Mechanics II - Mec 1212 - (2019/2020) Course Plan****Action Plan**

Week No.	Lect. date	Lecture	Section
1	12/2/2020	Introduction to advanced Vibration analysis	representing of actual system by vibration model
2	19/2/2020	Free vibration - Undamped and undamped	Problems of Undamped Free vibration
3	26/2/2020	Forced vibration - Undamped - Damped	Problems of damped Free vibration
4	4/3/2020	Problems of Forced vibration	Class Exam
5	11/3/2020	Momentum - impulse definitions	Example 6.1 - 6.2
6	18/3/2020	Impulse - momentum rules	Example 6.3 - 6.4 - 6.5
7	25/3/2020	Definitions of impulsive Forces	Sheet Problem 1
8	1/4/2020	Impact Equations	Sheet Problems 2-3
9	8/4/2020	One Body problems	Sheet Problems 4-5-6
10	15/4/2020	Multiple Body Problems	Sheet Problems 7
11	22/4/2020	Final Exams Problems	Class Exam
12	29/4/2020	Impulse - Impact Revisions	General Problems
13	6/5/2014	Course Revisions	

Final Exams