

6 -	b6- Calculate the values of impulse & momentum
c. Professional and Practical Skills :	
1 -	c1- Prepare technical reports for rolling motion
d. General and Transferable Skills :	
1 -	d1- Search for information and self-learning discipline

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
mechanism of connected rigid bodied	5	3	2
rolling motion	5	3	2
kinetics of a rigid body	10	6	4
Force-acceleration method	15	9	6
work . Energy method	15	9	6
impulse & momentum	10	6	4
kinematics of planar general motion	10	6	4
Revision	5	3	2

Teaching And Learning Methodologies :

Interactive Lec.
Discussion
Problem Solving

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Midterm	15.00		
2nd Midterm	15.00		
Assignments, Partic-ipation, & Quizzes	30.00		
Final Exam	40.00		

Course Notes :

Lecture notes on the course moodle page, FUE website.

Recommended books :

Hibbeler R., " Engineering Mechanics: Dynamics ", 12th Edition.
Riley W. and Sturges L., " Engineering Mechanics: Dynamics ".

