

DYNAMICS

1	Course Title:	DYNAMICS
2	Course Code:	INS2014
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. M.ÖZGÜR YAYLI
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	bdeliktas@uludag.edu.tr 224 2900744 Uludağ Univ. Müh.Mim Fak. İnşaat Müh. Böl. Görükle, Bursa
17	Website:	http://insaat.uludag.edu.tr
18	Objective of the Course:	To present the student the concepts and applications of the motions of bodies using the principles established by Newton and Euler.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Be able to describe orally and in writing the problems in dynamic and kinematics
	2	Be able to model the fundamental principles of applied kinematics for particles and rigid bodies in engineering dynamics by using simple drawing techniques and modern computer technology.
	3	Be able to implement an integrated understanding of engineering dynamics principles through applications involving problem solving and through creation of design solutions to engineering scenarios.
	4	Be able to model the dynamics problems by using the simple drawing techniques and modern computer tools and also be able to drive the mathematical formulations of dynamics problems.
	5	Be able to analyze the dynamics of particles and rigid bodies with applications.
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21	Course Content:	
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ÖK3	5	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	5	0	0	0	5	4	0	0	0	0	0	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			