	Course name: MCE 431 Theory of Machining and Machine Tools			Department: Mechanical Engineering			Semester	
							8	
	Methods of Education						Credit (ECTS)	
	Lecture	Recitation/ (Etud)	Lab	Project/Field Study	Homework	Other	Total	5
	42	38		28	42		150	
Language	English							
Compulsory/Elective	Elective							
Prerequisites	None							
Course Contents	Analyze of cutting force and effecting and tools and machine of this force kinematics mechanism of transmission of movement in machine tools. Drawing of construction and speed diagrams with calculate. Design of body and slipway. Accuracy of stick-slip an slipway. Cutting force on effect slipways.							
Course Objectives	Be providing more high in quality manufacturing with examining of chipping methods bases have important role in determining measurement and surface quality of machine tools in chipped manufacturing.							
Learning Outcomes and Competences	Students taking the lecture; - use in applications by learning construction of machine tools - analyse forces, can control appropriateness for machine power according to working standards.							
Textbook and /or References	• Mendi , F Takım Tezgahları Teori ve Hesapları ISBN 975-06008-0-3 Ankara 1996. • Mendi , F Takım Tezgahları Tasarımı , ISBN 975-7313-50-3 , Ankara 1999. • Akkurt , M Takım Tezgahları , Birsen yayınevi . İstanbul 1985. • Akkurt , NC'li Tezgahlar, Birsen yayınevi . İstanbul 1986. • G.Boothroyd, Fundamentals of Machining and Machine Tools, Marcel Decker Inc., New York, 1989 • Mustafa Akkurt, Talaş Kaldırma Yöntemleri ve Takım Tezgahları, Birsen yayınevi.							
Assessment Criteria			If any, mark as (X)			Percentage (%)		
	Midterm Exams		X			30		
	Quizzes							
	Homeworks		X			10		
	Projects							
	Term Paper		X			10		
	Laboratory work							
	Other							
	Final Exam		X			50		
Instructors								