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Course Information					
Course Code	MT346	* Credit Hours	32	* Credits	2
* Course Name	1- Mechanical Properties of Materials				
(Course Type)					
Audience					
(Language of Instruction)					
* School					
Prerequisite					
Instructor			(Course Webpage)		
* Description					
* Description	<p style="text-align: justify;"> Mechanical Properties of Materials is one of the basic courses of the Materials Science and Engineering curriculum. This course introduces the mechanical properties of various engineering materials, including the strength, plasticity, toughness, fracture, high temperature performance, wear resistance of materials. By studying the course, the students should achieve the goals as follows: (1) To have a grasp of the basic concepts, physic essences, changing tendency of main mechanical properties of the materials and their applications; (2) To know well the influencing factors of mechanical properties, the relationships among the property, chemical composition and microstructure, the basic means improving material mechanical properties, and the basic analysis methods of material failures; (3) To have a preliminary knowledge about the basic principle and related apparatus of the mechanical tests; (4) To obtain a preliminary ability to selecting, using the traditional materials and developing novel materials. </p>				

	1					
	2		7h	+	3-5	+
	3					+
	4					
	5					
	1					
	2					+
	3		5h	+	3-5	+
	4					
	5					

1				+
2		8h	+	3-5
3				
4				
5				

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