

课程名称 "自动控制原理" ULVW 课程负责人 "吴廷贵" 英文名称

课程名称 "自动控制原理"			
* Course Name	Chinese		
	English Automatic Control of Materials Processes		
* Credits	2	* Teaching Hours	32

			For full-time students	Course Type	Course
* Course Category	Specialized Course	Targeting Students	Master Level		
* Instruction Language	Chinese	Teaching Method	In class teaching		
* Grade	Letter grading	Exam Method	Other		
* School					
Subject					
Person in charge	Name	ID	School	E-mail	
				Wang-ellen@sjtu.edu.cn	

课程负责人 "吴廷贵"	
* () Course Description	200 MATLAB
* English Course Description	<p>“Automatic Control of Materials Processes” is basic course for Master degree students of Materials science and engineering, also is elective course for school of mechanical engineering. The basic task of the course is on the base of study basic theory of automatic control, taking into account the demand and characteristics of materials processes, learning the method of analyzing and designing automatic control system used in this field. The main content of this course contain: such as the time-domain methods, root locus methods and frequency domain methods, design of control systems, design methods and application examples of automatic control systems for materials processes. The application of MATLAB in automatic control systems design is introduced.</p>

<p style="text-align: center;">* () Syllabus</p>	/			
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	/	PID	4	/
	/	MTLAB Matlab	6	
	/		2	
	/		4	/

* English Syllabus	
* Requirements	1 50% 50 MATLAB 2 50%
* English Requirements	
* Resources	1 2001. 9 2 2007. 10 3 2010. 7 3 1989. 2
* English Resources	
Note	