

	MT485		32		2
	New Technology of Materials Plastic Forming				
	世 料				
	<p>Plastic deformation is triggered via the change of loading speed and loading way, as well as some new media or energy, by applying the force or temperature boundary conditions on the workpiece to make it permanently deformed. The course is started with the explanation of the plastic deformation characteristic through the introduction of the history of plastic forming technology. Then the new requirements from the industry with the develop of scientific technology are put forward, as well as the changing tendency of plastic forming technology from the viewpoint of the combination of procedure, technology and discipline.</p> <p>Based on these abovementioned knowledge, five new plastic forming technologies, like fine-blanking, micro-forming, hydro-forming, electromagnetic forming and incremental forming, are introduced in detail by comparing with the traditional forming technologies. The characteristic and the research points of each</p>				

new plastic forming technology are concluded, so as to make the students understand the mechanism behind. The purpose of this course is to make the students systematically understand these new plastic forming technologies, especially the working principle of the new energies like electromagnetic field, microwave and etc, new media like gas, media and etc, as well as the combination of other forming technologies.



1. (A3 B11 C8)
2. (A5.2 B2 C4)

		料	压	
			压	

		1			
		5			
		6			
		6			
		6			
		6			

		2		+PPT		PPT
	+PPT 40% + 60%					
	[1] . . . [2] . . . [3] . . . [4]					

