

Information Form for SJTU Graduate Profession Courses

Basic Information

Extended Information

Contents

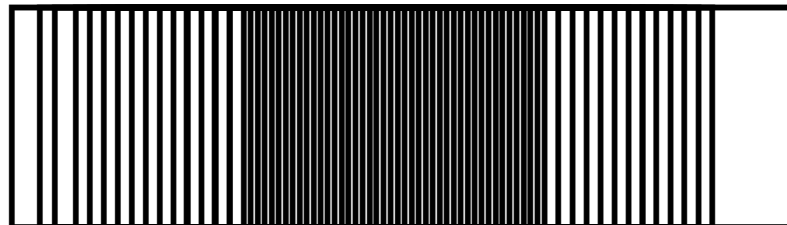
Targets

1

2

3

	1h		23h
	1	3h	
	1.1		
	1.2		
	1.3		
	1.4		
	1.5		
	2	6h	
	2.1		
	2.2		
	2.3		
	3	6h	
	3.1		
	3.2		
	3.3		
	3.4		
	4	8h	
	4.1		
	4.2		
	4.3		
	4.4		
	4.5		
	4.6		
	4.7		
	5	3h	24h
	5.1		
	5.2		
	5.3		
	5.4		
	6	9h	
	6.1		
	6.2		
	6.3		
	6.4		
	7	9h	
	7.1		
	7.2		
	7.3		
	7.4		
	7.5		
	7.6		
	7.7		
	7.8		
	8	3h	
	8.1		
	8.2		
	8.3		



Part 1 Deformation and Strengthening of Materials

1 Elastic Deformation

2 Basics of Dislocation Theory

3 Plastic Deformation in Crystals

4 Principles of Strengthening

Part 2 Fracture and Toughening of Materials 24h

5 Basics of Fracture

6 Fracture Mechanics

7 Physics of Fracture

8 Principles of Toughening

30%+

70%

- X :

γ_y

