

Course Number and Name													
BME403 - INDUSTRIAL METALLURGY													
Course Objective													
To impart knowledge on the structure, properties, treatment, testing and applications of metals and non-metallic materials so as to identify and select suitable materials for various engineering applications.													
Prerequisites							Co-requisites						
Manufacturing Technology							Nil						
Course Outcomes (COs)													
CO1	Upon completion of this course, the students will be able to differentiate materials, their processing, heat treatments in suitable application of mechanical engineering field.												
CO2	Student gain knowledge in selecting materials												
CO3	Understand mechanical properties of materials												
CO4	Understand crystallography techniques												
CO5	Learn surface engineering techniques												
CO6	Understand fracture and learn to get rid of it.												
Student Outcomes (SOs) from Criterion 3 covered by this Course													
	COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
	CO1	H	H	L					M	M		H	H
	CO2	H	H	L					M	M		H	H
	CO3	H	H						M	M		H	H
	CO4	H	M	L					M	M		H	H
	CO5	M	H	L					M	M		M	M
	CO6	M	H	L					M	M		M	M