

Course Number and Name												
BBM405 & Bio Sensors and Transducers												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.Vijayaragavan												
Course Objectives												
<ol style="list-style-type: none"> 1. Understand the purpose of measurement, the methods of measurements, errors associated with measurements. 2. Know the principle of transduction, classifications and the characteristics of different transducers and study its biomedical applications 												
Prerequisites						Co-requisites						
Nil						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: Describe the purpose and calibration methods.												
CO2: To study the basic characteristics of transducers.												
CO3: Know the principle of transduction, classifications and the characteristics of different transducers and study its biomedical applications												
CO4: Remember and understand the concepts, types, working and practical applications of important biosensors.												
CO5: Know some of the commonly used biomedical transducers.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/POs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	M	H	M	H	H	M	H			L	M	
CO2												
CO3	M	H	M	H	H	M	H			L	M	
CO4												
CO5	M	H	M	H	H	M	H			L	M	