

1.	Title of the course	Solid State Devices
2.	Course number	EE202M
3.	Structure of credits	3-0-2-4
4.	Offered to	UG
5.	New course/modification to	Modification To EE2204/8
6.	To be offered by	Department of Electrical Engineering
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	Course Objective(s): To introduce the electronic properties of semiconductors and semiconductor devices. The laboratory component complements the theoretical concepts, emphasising various semiconductor material and device characterisation techniques.	
10.	Course Content: ..	
11.	Textbook(s): 1. Pierret R, <i>Semiconductor Device Fundamentals</i> , Pearson Education (2006). 2. Streetman B G and Banerjee S K, <i>Solid State Electronic Devices</i> , Prentice Hall India (2014).	
12.	Reference(s): 1. Dimitrijevic S, <i>Principles of Semiconductor Devices</i> , Oxford University Press (2012). 2. Neamen D A, <i>Semiconductor Physics and Devices</i> , McGraw Hill (2012). 3. Sah C T, <i>Fundamentals of Solid State Electronics</i> , World Scientific (1991). 4. Tyagi M S, <i>Introduction to Semiconductor Materials and Devices</i> , John Wiley (2004).	