

# GUJARAT TECHNOLOGICAL UNIVERSITY

**SUBJECT NAME: Wireless Communications**

**SUBJECT CODE: 3715308**

**Semester I**

**Type of course: NA**

**Prerequisite: NA**

**Rationale: NA**

**Teaching and Examination Scheme:**

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE(E)	PA (M)	ESE	PA(I)	
3	2	0	4	70	30	30	20	150

L- Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment;

**Content:**

Sr. No.	Content	Total Hrs	% Weightage
1	Selected topics related to the design and performance analysis of communication systems.	9	15
2	Topics may include advanced modulation techniques	6	15
3	Optimum receiver design, nonlinear channels	7	20
4	Multipath analysis, diversity systems and MIMO systems	8	20

**Reference Books:**

**Research Journals and Articles in the field of Communications, Wireless Communications**