GAU, Faculty of Engineering

Course Unit Title	Communication Systems
Course Unit Code	EEN403
Type of Course Unit	CompulsoryNone selected
Level of Course Unit	1st year BSc
National Credits	3
Number of ECTS Credits Allocated	6
Theoretical (hour/week)	3
Practice (hour/week)	0
Laboratory (hour/week)	0
Year of Study	
Semester when the course unit is delivered	
Mode of Delivery	None selected
Language of Instruction	English
Prerequisites	
Corequisites	
Recommended Optional Programme Components	

Objectives of the Course:

Learning Outcomes	
When this course has been completed the student should be able to	Assess.
Assessment Methods: 1. Written Exam, 2. Assignment, 3. Project/Report, 4. Presentation, 5. Lab Work	

Course's Contribution to Program

		CL
1	Ability to understand and apply knowledge of mathematics, science, and engineering	
2	Ability to design and conduct experiments as well as to analyze and interpret	
3	Ability to work in multidisciplinary teams while exhibiting professional responsibility and ethical conduct	
4	Ability to apply systems thinking in problem solving	
5	Knowledge of contemporary issues while continuing to engage in lifelong learning	
6	Ability to use the techniques, skills and modern engineering tools necessary for engineering practice	
7	Ability to express their ideas and findings, in written and oral form	
8	Ability to design and integrate systems, components or processes to meet desired needs within realistic constraints	
9	Ability to approach engineering problems and effects of their possible solutions within a well structured, ethically responsible and professional manner	
10	Strong foundation on the fundamentals of Electrical and Electronics Engineering such as Circuit Theory, Signals, Systems, Control and Communications, which are necessary for successful practice in the field	
11	Awareness on the contemporary requirements, methods and applications of the Electrical and Electronics Engineering	

CL: Contribution Level (1: Very Low, 2: Low, 3: Moderate, 4: High, 5: Very High)

Course Contents

Week	Chapter	Subject	Exams
1			
2			

3			
4			
5			
6			
7			
8			Midterm
9			
10			
11			
12			
13			
14			
15			Final

Recommended Sources	
Assessment	
Midterm	35 %
Final exam	50 %
	15 %

ECTS Allocated Based on the Student Workload

Activities	Number	Duration (hour)	Total Workload (hour)
In-class lecture (including exam weeks)	15	3	45
Midterm exam	1	1.5	1.5
Midterm exam preparation	1	20	20
Final exam	1	1.5	1.5
Final exam preparation	1	20	20
Quiz	2	3	6
Assignment	10	3	30
Project/presentation/report writing	0	0	0
Lab and tutorial	0	0	0
Self-study	15	3	45
Total Workload			169.00
Total Workload / 30 (h)			5.63
ECTS Credit of the Course			6