

**LAGUARDIA COMMUNITY COLLEGE
CITY UNIVERSITY OF NEW YORK
DEPARTMENT OF MATHEMATICS, ENGINEERING, and COMPUTER
SCIENCE**

MAC260 – INTRODUCTION TO TELEPROCESSING (3 CREDITS/4 HOURS)

Catalog Description:

This course examines the field of data transmission and how it is used to communicate with the computer. Topics covered include the nature of the communication links and of the hardware attached to them; common carriers and their services; and the configuration of data communication systems including a description of the codes, modems, terminals, software, and methods of line organization.

Grading Standards:

Written Tests	60%
Projects/Presentation	20%
Final Exam	20%
Total	100%

Book:

Data Communications and Computer Networks. A Business User's Approach
Curt M. White 6th Edition
ISBN: 13:978-0-538-452618
ISBN: 10:0-538-45261-7
Course Technology

Course Policies:

Missed Classes: The student is responsible for obtaining material, which may have been distributed on class days when he/she was absent.

Assignments: All assignments are due at the beginning of class on the date due. Late submission of assignments will be assessed a penalty of 20% per day. Assignments may be handed in electronically .

Need for Assistance: If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it, or which will require academic accommodations, please notify me as soon as possible.

Course Syllabus

<u>Week</u>	<u>Topics</u>	<u>Chapter</u>
1	Introduction to Computer Networks and Data Communications	1
2	Fundamentals of Data and Signals	2
3	Conducted and Wireless Media	3
4	Making Connections	4
5	Making Connections Efficient: Multiplexing and Compression	5
6	Errors, Error Detection, and Error Control	6
7	Local Area Networks: Part I	7
8	Local Area Networks: Part II	8
8	Introduction to Metropolitan and Wide Area Networks	9
9	The Internet	10
10	The Internet (continued)	10
11	Voice and Data Delivery Networks	11
12	Network Security	12
13	Network Design and Management	13