COURSE SYLLABUS

TCM 200 Introduction to Telecommunications

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
History of voice data communications, basic services/systems, regulatory agencies and laws, opportunities and overview of technical tasks. Also, introduction to networking concepts, installation of networking software and their maintenance will be implemented in the lab. Emphasis on mastering technical terminology.

PREREQUISITES: EE 101 or CIS 112

EXPECTED COMPETENCIES:
Upon successful completion of this course, the student will have competency in the following areas:

1. Basic telephony
2. Transmission concepts and transmission systems
3. T1/E1 applications and systems
4. Switching concepts and systems with a study of Lucent Technologies private branch exchange (PBX)
5. Protocols and standards, focusing on the open system interconnection reference model
6. Networking, local, metropolitan, and wide areas
7. Wireless
8. Asynchronous Transfer Mode (ATM).

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E