MURRAY STATE UNIVERSITY

DEPARTMENT OF INDUSTRIAL AND ENGINEERING TECHNOLOGY

Course Number: TSM 133 Credit Hours: 3

I. TITLE: Introduction to Telecommunications Systems Management Technology and Methods

II. CATALOG DESCRIPTION:
An overview of the technology and managerial considerations of the telecommunications systems management field including history, job market, educational requirements, microcomputer concepts and basic networking concepts. Two hours of lecture and two hours of lab per week.

III. PURPOSE:
To provide an introduction to the field of telecommunications systems management, and to provide a common body of basic knowledge to support future TSM coursework.

IV. COURSE OBJECTIVES:
To provide the student with foundation knowledge in various areas of telecommunications systems management including communications basics,ethics, management, data communications, network standards, microcomputer basics and networking fundamentals.

V. CONTENT OUTLINE:

A. Communications Basics
   1. Basic model of communication
   2. Technology & telecommunications concepts
   3. Telecommunications as a business tool
B. Management of Telecommunications
   1. Jobs and the job market
   2. Ethical considerations for telecommunications management
   3. Education and certification
C. Data Communications and Networks
   1. Historical background
   2. Data communications basics
   3. Network standards
   4. OSI model
D. Microcomputer Basics
   1. Hard disk basics – partitioning & file systems
   2. Transmission basics
   3. Operating system installation – XP
E. Practical Aspects of Networking
   1. TCP/IP troubleshooting
   2. Networking protocols
   3. Networking hardware
   4. Topologies & access methods

VI. INSTRUCTIONAL ACTIVITIES:
Lecture, discussion, demonstration & lab work

VII. FIELD, CLINICAL, AND/OR LABORATORY EXPERIENCES: Lab exercises

VIII. RESOURCES:

IX. GRADING PROCEDURES:

Exams	40 %
Homework	30 %
Labs	20 %
Projects	10 %
Total	100 %

Grading Scale:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	E

X. ATTENDANCE POLICY:
This course will adhere to the policy published in the MSU Undergraduate Bulletin. No credit will be given for lab writeups if the student didn't attend the lab session.

XI. ACADEMIC HONESTY POLICY:
This course will adhere to the policy published in the MSU Undergraduate Bulletin.

XII. TEXT AND REFERENCES:
To be supplied by the instructor

XIII. PREREQUISITES: None

XIV. STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities.