

ET127T

PC Technology

[Onsite]

Course Description:

A study of personal computers emphasizing analyzing and optimizing system performance and troubleshooting and repairing malfunctioning systems.

Prerequisite(s) and/or Corequisite(s):

Prerequisites: TB143T Introduction to Personal Computers

Credit hours: 4

Contact hours: 60 (36 Theory Hours, 24 Lab Hours)

instructor

office hours

class hours

I. MAJOR TOPICS

Hardware Installation

Peripheral Devices

System Configuration and Optimization

Troubleshooting and Repair Techniques

II. COURSE OBJECTIVES

Detail the boot-up process.

Configure a microcomputer for optimum operation.

Demonstrate an ability to upgrade a microcomputer system.

Troubleshoot and repair malfunctioning microcomputer systems, including peripheral devices.

Demonstrate effective data protection and recovery.

TEACHING STRATEGIES

Curriculum is designed to promote a variety of teaching strategies that support the outcomes described in the course objectives and that foster higher cognitive skills. Delivery makes use of various media and delivery tools in the classrooms.

III. TEXT AND SUPPLEMENTS

Andrews, Jean. A+ Guide to Managing and Maintaining Your PC (Comprehensive), 5th Edition, Course Technology, 2006.

PC Technology, Heathkit Educational Systems, 2006.

IV. EVALUATION

The evaluation of student achievement is conducted objectively. Quizzes and examination items are constructed from, and directly related to, lesson objectives. The assignment of grades is based on the following grading criteria.

Homework	15%
Quizzes	10%
Laboratory Production	25%
Unit Exams	20%
Final Exam	15%
Final Lab Eval	15%

Final grades will be calculated from the percentages earned in class as follows:

A	90 - 100%	4.0
B+	85 - 89%	3.5
B	80 - 84%	3.0
C+	75 - 79%	2.5

C	70 - 74%	2.0
D+	65 - 69%	1.5
D	60 - 64%	1.0
F	<60%	0.0

V. REFERENCES and RESOURCES

<http://www.library.itt-tech.edu/>

Login to the Virtual Library to access online books, journals, and other reference resources selected to support ITT Tech curricula.