COURSE TITLE & NUMBER: ITNS 2550: A+ Certification Prep
CREDITS: 6 (Lec 2 / Lab 4)
PREREQUISITES: Consent of instructor if taken out of usual sequence.

CATALOG DESCRIPTION:
A+ Certification Prep offers an introduction to the theory, terminology, operation, and troubleshooting of the main sections of an ISA microcomputer. Coverage is background information needed by those intending to take the current COMPTIA A+ certifications.

OUTLINE OF MAJOR CONTENT AREAS:
1. Analyze PC Hardware Theory & Terms
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results
2. Analyze PC System Configuration & Operation
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results
3. Analyze Main Typical PC Peripherals
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results
4. Analyze PC Software Theory & Terms
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results
5. Analyze DOS/Win(X) Configuration & Operation
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results
6. Analyze DOS/Win(X) Software Applications
   A. build & troubleshoot project elements
   B. demonstrate & interpret project results

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will observe safety procedures.
2. Students will analyze CPU Memory Input/Output needs.
3. Students will operate diagnostic programs.
4. Students will verify cold boot operations.
5. Students will analyze hardware application needs.
6. Students will verify hardware operation quality.
7. Students will analyze printer operational needs.
8. Students will describe LAN/WWW concepts.
9. Students will analyze software application needs.
STUDENT CONTRIBUTIONS:
The student is expected to prepare for class, attend all lectures and labs, participate in all class activities, complete everything on time, request assistance if needed.

HCC COMPETENCIES MET:
1) Working Productively and Cooperatively
2) Communicating Clearly and Effectively
3) Thinking Creatively and Critically
4) Social Responsibility
5) Value Self

SPECIAL INFORMATION (SPECIAL FEES, DIRECTIVES ON HAZARDOUS MATERIALS, TEXTBOOK USED ETC.)

AASC APPROVAL DATE: November 15, 2017
REVIEW DATE: November 2022