HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE TITLE & NUMBER: Communication Cabling & Termination ITNS 1557
CREDITS: 2 (Lec 0 / Lab 2)
PREREQUISITES: None

CATALOG DESCRIPTION:
Communication Cabling & Termination provides instruction with hands on training in copper cabling and terminations along with fiber optics splicing and terminations. Individuals will be prepared to meet the Certified Fiber Optic Technician (CFOT) exam requirements and learn how to install and terminate Cat 3/5/5e/6 properly per EIA/TIA standards.

OUTLINE OF MAJOR CONTENT AREAS:
1. Copper Cables
2. Fiber Optics
3. Connectors & Interconnection Hardware
4. Networks
5. System-Level Cabling
6. Installing Cabling Systems
7. Certifying the Cabling System
8. Documenting and Administering the Installation
9. Residential Cabling Systems

COURSE OUTCOMES/OBJECTIVES/GOALS:
1. Students will explain impedance, attenuation, return loss & propagation.
2. Students will demonstrate the use of twisted pair cables.
3. Students will interpret the advantages of fiber optics.
4. Students will demonstrate copper cable terminations.
5. Students will analyze types of networks.
6. Students will explain different network topologies.
7. Students will interpret cable specifications.
8. Students will demonstrate termination of fiber, copper.
9. Students will troubleshoot fiber.
10. Students will demonstrate network documentation.

STUDENT CONTRIBUTIONS:
The student is expected to prepare for classes, attend classes, attend all lectures and labs, participate in all class activities, complete everything on time, and 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

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