COURSE TITLE & NUMBER: ITNS 2140: Microsoft MTA Server
CREDITS: 6 (Lec 4 / Lab 2)
PREREQUISITES: None

CATALOG DESCRIPTION:
Windows Server provides coverage of the Microsoft Windows Server operating system. Hands-on projects and case projects reinforce the lessons on planning, installing, and managing Microsoft’s flagship network operating system – skills that are in high demand in today’s business environment. Microsoft-approved material is used designed to prepare individuals for Microsoft’s MTA Windows Server certification exam.

OUTLINE OF MAJOR CONTENT AREAS:
1. Networking with Microsoft Windows (current) Server
2. Planning Network Protocols and Compatibility
3. Planning for Server Hardware Compatibility, Disk Storage, and Operating System Requirements
4. Planning the Active Directory Implementation
5. Server Installation
6. Configuring Storage, Backup, and Performance Options
7. Managing the Server and Clients through Accounts and Groups
9. Printer Installation and Management
10. Network Access
11. Internet and Intranet Services
12. Server Monitoring and Optimization
13. Network Monitoring and Tuning
15. Troubleshooting

COURSE OUTCOMES/OBJECTIVES/GOALS:
1. Students will explain the hardware requirements for Windows (current) Server and explain the importance of using Microsoft’s hardware compatibility list.
2. Students will explain the contents of the Active Directory.
4. Students will demonstrate the use of virtual servers
5. Students will create local user profiles, roaming profiles, and mandatory profiles.
6. Students will manage objects, such as folders, through user rights, attributes, permissions, share permissions, auditing, and Web permissions.
7. Students will explain how remote access and virtual private network (VPN) services work.
8. Students will set up performance logs and alerts for monitoring.
9. Students will use the Event Viewer to locate and diagnose problems.
10. Students will set up server virtualization

**HIBBING COMMUNITY COLLEGE COMPETENCIES MET:**
Working Productively and Cooperatively
Communicating Clearly and Effectively
Thinking Creatively and Critically

**STUDENT CONTRIBUTIONS:**

The student will attend lectures regularly, participate in class discussions, and spend sufficient time in the classroom and lab to complete all assignments and examinations on a timely basis.

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

**STUDENT CONTRIBUTIONS:**

Each student is expected to spend at least two (2) hours per week outside of class preparing for each lecture period and one (1) hour of outside study per week preparing for each lecture session. Attendance is crucial in this class.

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