

Southgate Anderson High School
15475 Leroy
Southgate, MI 48195
(734) 246-4611

Course Name: Cisco Discovery, Cisco IT Essentials
Course Number: 1434, 1485
Course Credit: .5 each
School Year: '09-'10
Instructor: Laura Draper

Course Description:

Cisco Discovery: A foundational curriculum that offers a hands-on approach to learning, using interactive tools and easy to follow labs to help students learn the generally theory needed to build computer networks.

Cisco IT Essentials: An introduction to computer components, laptops and portable devices, wireless connectivity, security and safety, environmental concerns, and diagnostic tools

Course Objectives: To expose students to the foundational skills utilized in the IT industry. The CCNA Discovery curriculum prepares students for two different Cisco certification exams.

Student Competencies: State of Michigan's 12 Segments for this Program

Required Text: Cisco curriculum is provided online.

References & Other Resources:

<http://www.cisco.com/web/learning/netacad/index.html>

Course Advisory Committee:

Laura Draper, Patti Sisler, Larry Sakalas, Chris LeDee, Dave Fast, Todd Browning, Karen Hurley, Mike Toschi, Joseph O'Brien, Mike Reichow (student), Leon Wright, Avec Gomez Lee O'Brien (chairperson)

Class Assignments: Students who complete Networking for Home and Small Businesses will be able to perform the following tasks:

- Set up a personal computer system, including the operating system, interface cards, and peripheral devices
- Plan and install a home or small business network and connect it to the Internet
- Verify and troubleshoot network and Internet connectivity
- Share resources such as files and printers among multiple computers
- Recognize and mitigate security threats to a home network
- Configure and verify common Internet applications
- Configure basic IP services through a GUI

Final Exam: The Cisco Networking Academy Program provides assessment tools to help students, instructors, and administrators understand the strengths and weaknesses of individuals as they progress through the curriculum. This section contains information about various assessment design, tools, and features.

Class Policies: Classroom Rules

1. Be on time to class. 2. Be prepared to participate in class. 3. Follow directions the first time given. Food and Drink Policy: The philosophy of the food and drink policy is to have packaged food/snacks, at the teacher's discretion, periodically. The intent is for a teacher to use this for a student incentive for good behavior and academic success, not to eat a full breakfast or lunch in the classroom. At no time is food to be eaten in the hallway unless administrative permission is granted. Cell Phones and Electronic Devices: The use of all telecommunication and electronic devices, are prohibited on school grounds and at school-sponsored or school-related activities on or off school property, during the instructional school day (including lunch). Examples include but are not limited to, cell phones including text messaging, music devices such as iPods, MP3 players and CD Players. The school will not be responsible for lost or stolen devices. Teachers and administrators will take appropriate actions if a student is observed using these devices during the school day or if such devices disrupt the instructional setting. Disciplinary actions may include: immediate confiscation, a parent conference for return of the device, suspension and loss of privileges.

For complete set of policies go to:

<http://www.southgateschools.com/web/?idpage=2584&iduser=296>

Evaluation & Grading: Students will be evaluated according to Cisco assessment and also Southgate Anderson.

Course Outline:

Chapter	Networking for Home and Small Businesses
1	Personal Computer Hardware
2	Operating Systems
3	Connecting to the Network
4	Connecting to the Internet Through an ISP
5	Network Addressing
6	Network Services
7	Wireless Technologies
8	Basic Security
9	Troubleshooting Your Network

Articulation Agreements:

Henry Ford Community College