COURSE SYLLABUS

CIS 241  Internet Foundations

CREDIT HOURS: 4.00  CONTACT HOURS: 60.00

COURSE DESCRIPTION: This course teaches students about internet connection methods, protocols, hypertext markup language, along with networking technologies. Students will learn about how websites are developed, wireless networking, and networking troubleshooting.

PREREQUISITES: CIS 110

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will be able to:

1. Recognize essential database concepts.
2. Identify job roles in the Information Technology (IT) industry, including the responsibilities, tasks and skills they require.
3. Identify the infrastructure required to access the Internet, including hardware and software components.
4. Define important Internet communications protocols and their roles in delivering basic Internet services.
5. Identify the basic principles of the Domain Name System (DNS).
6. Identify the functions of Web browsers, and use them to access the World Wide Web.
7. Identify and configure user customization features in Web browsers, including: preferences, caching, cookies.
8. Identify security issues related to Internet clients in the workplace, including: certificates, malware, illicit servers, and viruses.
9. Identify and use principles of Personal Information Management (PIM), including: common applications.
10. Efficiently transmit text and binary files using popular Internet services.
11. Identify security-related ethical and legal issues faced by IT professionals.
12. Relate project management concepts and terms to the IT profession.
14. Demonstrate knowledge required to create a Web page.
15. Add images and graphical formatting to HTML files.
16. Identify front-end and back-end Web design issues.
17. Identify and use design and color principles for Web pages.
18. Create a basic HTML form that accepts user input.
19. Define Extensible Markup Language (XML), and identify its features and appropriate use.
20. Identify essential Web site navigation issues, and ensure page/site accessibility.

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E