

**JOLIET JUNIOR COLLEGE
DEPARTMENT OF COMPUTER INFORMATION
AND OFFICE SYSTEMS**

COURSE SYLLABUS

Course Prefix and Number	CIS 143
Course Title	Internet Technologies
Curriculum	Computer Information & Office Systems
Lecture	3
Lab	0
Credit Hours	3
Prerequisites	CIS 122 or consent of department

Catalog Description

This course is designed to prepare students to succeed in taking CompTIA's i-Net+ certification exam. Topics include web hosting, internet infrastructure, security, eCommerce, and concepts concerning web programming. Projects include research and hands-on assignments to apply the learned technologies. Topics and projects may be expanded due to the changes in the exam and in technologies.

Course Objectives: See attached.

Prepared by:

Reviewed by:

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Revised 12/05
Revised 10/06

Ram Raghuraman
Department Chairperson Date

STUDENT MATERIALS

A. Textbook:

Title: CIW Foundations Academic Student Kit

Author: Prosoft Learning

Publisher: Course Technology

B. Other Required Materials: flash storage drive

Student Evaluation (Type of Grading)

Projects, Homework, Final Exam

JOLIET JUNIOR COLLEGE COURSE SYLLABUS

JOLIET JUNIOR COLLEGE

Course Prefix and Number: CIS 143 Title: Internet Technologies

Week	Unit, Topic, Class Activity (Indicate approximate time allotment for each topic/unit)	Comments
1	Discussion of the Internet, IP Addressing, ISPs	
2	Reviewing different types of Markup Languages	
3	Forms of communications, FTP, eMail,	
4	Newsgroups	
5	Multimedia enhancements	
6	Programming on the Internet with client-side and server-side languages	
7	Introduction to databases	
8	Web hosting techniques	
9	Networking – OSI model	
10	Methods of connecting to the Internet/LAN. Other forms of communication on the web (iPods, WebTV, etc.)	
11	The many functions of servers, how DNS works	
12	Internet Infrastructure, network topologies	
13	Internet security	
14	Troubleshooting Internet connections, security, browser problems	
15	eCommerce/eBusiness, shopping carts, EDI, globalization	
16	Review/Prepare for Final Exam	

OBJECTIVES

1. Discussion of the Internet, IP Addressing, ISPs
2. Reviewing different types of Markup Languages
3. Forms of communications, FTP, eMail, Newsgroups
4. Multimedia enhancements
5. Programming on the Internet with client-side and server-side languages
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14. Troubleshooting Internet connections, security, browser problems
15. eCommerce/eBusiness, shopping carts, EDI, globalization