

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: ITE 152 Credits: 3

Course Title: Introduction to Digital and Information Literacy and Computer Applications

Course Description :

Develops understanding of digital and information literacy. Introduces basic computer concepts in hardware, software, cyber, cloud, database, and operating systems. Includes hands-on experience developing word processing, spreadsheet and presentation documents. Evaluates the reliability of sources. Covers creating a simple web page. Examines topics such as social, legal, and ethical issues. This is a UCGS transfer course. Lecture 3 hours. Total 6 hours. 1.26 credit will be introduced to basic computer concepts in hardware, software, cyber security, cloud computing, database principles, operating systems and web development. Students learn online

techniques to search, evaluate, validate, and cite information. Hands-on experience includes creating web pages along with word processing, spreadsheet and presentation graphics computer applications. Additional lectures examine social, legal, ethical issues including privacy, intellectual property, emerging technologies and the role computers play across professional areas of expertise.

Course Prerequisites/Corequisites:

None

Course Objectives:

Upon completing the course, the student will be able to:

Civic Engagement

- ” Communicate information legally and ethically using a variety of channels directed at a range of audiences

Critical Thinking

- ” Demonstrate the ability to determine the nature and extent of the information needed.
- ” Demonstrate the ability to identify and evaluate information for credibility, currency, reliability, validity, accuracy, usefulness, relevance, and biases. (For example: CRAAP model)
- ” Demonstrate the ability to distinguish between assumption and fact.
- ” Demonstrate the ability to incorporate information literacy skills into one’s own knowledge base and work.

Written Communication

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- ” Recognize various forms of plagiarism and utilize skills and techniques to avoid plagiarism
- ” Distinguish between credible and non-credible digital sources

Cyber Awareness and Information Security

- ” Define cyber security and explain why it is important, personally, on the Internet, for the computer and for mobile devices
- ” Describe the challenges of securing information
- ” Identify types of attackers that are common today
- ” Describe the different types of attacks
- ” Define different types of defenses

Web Technologies

- ” Identify introductory web design and/or development concepts
- ” Identify top level domain (i.e. .gov, .edu, .com, .net, .org) use and purpose
- ” Describe what responsive design means and explain HTML, CSS, Javascript and tags as it relates to developing websites
- ” Define hosting and publishing in web development
- ” Develop a simple webpage using a text editor or html editor that contains basic tags, such as title, headers, links, multimedia and images
- ” Explain the importance of web development in world technology and the importance of having a basic knowledge of website creation

Cloud Computing and Emerging Technologies

- ” Define cloud computing
- ” Explain the Cloud Computing