

## Course Abstract

*If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.*

*To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.*

### **Course ID and Name: CSC105 – Computer Applications and Systems**

#### **Department: Business and Computer Science**

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

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**Prerequisites:** None

**Co-requisites:** None

#### **Course Description:**

This course defines computers and computer applications and their use in business, industry and government. Students completing this course will be computer fluent. Students will understand the capabilities and limitations of computers and know how to use them. In addition, students will understand computers and their ethical, legal and societal implications. Topics include the history of computers, hardware devices, software programs, terminology, privacy of information, ethical behavior and the influence of computers on people and society. Hands-on experience includes: using a Windows operating system, a word processor, designing and implementing spreadsheets and producing presentations. This course is recommended for anyone who will be involved with computers and the use of computer application software

**General Education Status:** Gen Ed - Computer Science

**Credits:** 3      **Lecture Hours:** 3      **Lab Hours:** 0

#### **Learning Outcomes:**

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

1. Understand computer terminology.
2. Identify standard equipment and various configurations of a computer system.
3. Use the Internet to research and collect information and evaluate the quality of the information at a web site.
4. Use library resources to access information in reference publications, periodicals, bibliographies, and library databases.

5. Synthesize and present the information found through the Internet and the library using presentation software.
6. Use and describe system software including the operating system, utility programs, and file management software.
7. Describe the components of a network and discuss related network security issues.
8. Describe mobile computing devices and be able to discuss the advantages and limitations of each.
9. Learn to use standard personal computer applications (word processor, electronic spreadsheet and presentation software).

**Course Content Areas:**

- Intro to Information Technology
- The Internet and The World Wide Web Exploring Cyberspace
- Software
- Hardware The CPU and Storage
- Hardware Input and Output
- Communications, Networks, & Cyber threats
- Personal Technology
- The ERA of Big Data
- The challenges of the Digital Age
- Windows Operating System and computer applications (Word, PowerPoint, and Excel)