

# CMPS 1013 Computer Concepts & Applications Topics

## **Introduction to Computer Hardware**

- Computers in History
- Types of Computers
- Input/Output Devices
- Central Processing Unit
- Digital Data Representation
- Memory & Storage

## **Introduction to Software & Apps**

- What is Software?
- Software Development
- Types of Software
- Purchasing Software
- Licensing Software
- Software Problems

## **System Software**

- System Software
- Operating Systems
- Operating System Tasks & Features
- PC Operating Systems
- Mobile Operating Systems
- File Basics
- File Management

## **Application Software**

- Word Processing
- Spreadsheets
- Presentation Software
- Databases
- Graphics Software
- Mobile Applications

## **The World Wide Web**

- Browsers
- Web Page Development
- Types of Websites
- Web Applications
- Electronic Commerce
- The Internet of Things

## **Computer Purchasing & Maintenance**

- Buying a Computer
- Protecting Computer Hardware
- Safeguarding
- Troubleshooting

## **The Connected Computer**

- Introduction to Networks
- Connecting to a Network
- Types of Networks
- The Internet
- Risks & Security Basics

## **Communication**

- Digital Communication
- E-mail & Messaging
- Podcasts & Online Conferencing
- Blogs & Wikis
- Social Networks
- Internet Etiquette

## **Information Literacy**

- Online Information
- Searching for Information
- Evaluating Online Information
- Search Tools
- Ethical Use of Information

## **Intro to Media**

- Graphics
- Audio & Video
- Animation & Gaming
- Social Media

## **A Changing World**

- Embedded Computers
- Connected Homes
- Intelligent Workplaces & Classrooms
- Artificial Intelligence
- Green Computing
- Careers