

Passaic County Community College
Academic Year: 2021-2022
Master Syllabus

Department Chair: Merille Siegel
Program Coordinator: Adeleye Bamkole

Course Code: CIS 212

Course Title: Emerging Technology

Department: CIS/Engineering

Course Description:

This course presents and analyzes particular emerging technologies and their potential applications, including the opportunities and challenges of managing these technologies and their impact on business and society, ensuring that productivity and technical risks are appropriately managed, and preparing them for the challenges of leadership.

Prerequisites: CIS 180 or CIS 125 or CIS 160

Credits: 2

Lecture Hours: 2

Lab/Studio Hours: 0

Clinical/Fieldwork Hours: 0

Required Textbook/Materials:

Exam Ref AZ-900 Microsoft Azure Fundamentals, by Jim Cheshire.

Special Facilities/Equipment:

Hardware: Intel based system, Routers, Access Point, and Wireless NIC, Cabling. Technician's tools (Multimeter, Anti-Static gloves, Mats etc.)

Software: Microsoft Windows Server OS, Windows 8 and 10 Professional, MAC OS, Linux flavor or any latest version of OS, Antivirus software etc.

Additional Time and Supplemental Requirements:

Based on a 15-week semester, students are expected to complete 8 hours of assigned work outside of class.

COVID-19:

On-Campus Requirements during COVID-19: Passaic County Community College has created a thorough plan for maintaining a healthy environment while on campus during the COVID-19 Pandemic. You are required to wear your mask, maintain safe social distances and wash your hands frequently. Also, remember to use hand sanitizer stations, and do not gather in groups. Maintaining a healthy campus will require all of us to do our part. If we take these simple precautions, we can have a safe and productive semester.

Course Learning Outcomes:

Upon completion of this course, students will be able to:

- Identify new trends in technology which will provide employment and educational opportunities.
- perform academic research into material not yet part of their knowledge base
- Participate in project collaboration, project development, and presentation necessary for their on-going professional lives.
- Demonstrate an understanding of the existing job market and required skills
- Demonstrate a high level of social, legal and ethical awareness in the study of technology

General Education Outcomes: This is not a general education course.

Grading Standards:

Evaluation Method: Students will be graded on the basis of testing and an evaluation of projects assigned by the instructor. The grade will be determined by the following:

40% Tests

30% Projects / Assignments

20% Final Exam

Course Content:

(Schedule and suggested topics, readings, and assignments subject to change based on instructor and instructional resource)

Week	Topics
1 - 2	Cloud Computing Concepts
3 - 4	Core Azure Services
5-6	Understand security privacy, compliance, and trust
7-8	Azure pricing and support
9-12	Deploying services using Azure
13	Alternate Technologies: Amazon Web Services
14	Alternate Technologies: Google Cloud
15	Final Exam

Department Policies:

Class Policy:

- 1) Students are reminded of the College Academic Integrity policy for Passaic County Community College. Students are urged to conduct themselves accordingly.
- 2) Attendance is required and mandatory for successful completion of this course.
- 3) Homework and projects mandatory, collected on the due dates at the beginning of the classes. No late projects or homework will be collected, except for emergencies with valid reasons.
- 4) Classroom exams will be announced in advanced. No makeup exams given unless under valid emergency. Students are required to call in to inform the Professor prior to the class.

College Policies:

For Information regarding:

- PCCC's Academic Integrity Code
- Student Conduct Code
- Student Grade Appeal Process

Please refer to the PCCC Student Handbook and PCCC Catalog

Panther Alert:

The College will announce delayed openings, closings, and other emergency situations through the Panther Alert System. Students are encouraged to sign up for Panther Alert Notifications by logging into their student accounts through the PCCC website at www.pccc.edu and following Panther Alert System instructions.

Notification for Students with Learnings Disabilities:

If you have a disability, and believe you need accommodations in this class, please contact the Office of Disabilities Services (ODS) at 973-684-6395, or email ods@pccc.edu. You should do so as soon as possible at the start of each semester. If you require testing accommodations, you must remind me (the instructor) one week in advance of each test.

Date last modified: December 2020