Course Prefix and Number: CIT 112          Credit Hours: 3-3-0

Course Title: Support of Emerging Technologies

Course Prerequisites: None


Software: The textbook is bundled with a MindTap® PC Repair printed access card. Simulations and assignment will be completed in MindTap®. Students must get access to MindTap® to complete this course.

Course Description: This course covers fundamentals of Computer Technology, installation and configuration of PCs, laptops and related hardware and networking basics. Skills will be covered in installation and configuration of PC operating systems as well as configuring common features (e.g., network connectivity) for mobile OS Android & Apple OS. In addition, this class will help students gain the skills required for the nationally recognized CompTIA A+ certification exam.

Learning Outcomes:
At the end of this course, the student will:
   A. identify basic computer assembly steps, maintenance, and functions;
   B. recognize fundamental computer networking concepts;
   C. describe features of various portable and mobile devices;
   D. use troubleshooting theory to apply basic hardware, software, and network troubleshooting skills; and
   E. recognize security concepts related to information technology.

To achieve the learning outcomes the student will or will be able to:
(The letter designations at the end of each statement refer to the learning outcome(s).)
   1. identify various parts and functions of computing hardware (A, B, C);
   2. given a scenario, select appropriate components for a custom PC configuration, to meet customer specifications or needs (A, C);
   3. given a scenario, configure, troubleshoot, solve common problems, and maintain PC workstations, mobile devices, and basic network devices (B, C, D);
   4. compare and contrast the features of various wired and wireless networks (B);
   5. explain common TCP and UDP ports, protocols, and their purpose (B);
   6. given a scenario, use appropriate laptop features (C);
   7. identify characteristics of portable and mobile devices (C);
   8. list and apply troubleshooting theory steps (D);
   9. classify common security threats, vulnerabilities, and prevention methods (E); and
   10. research the impact of a security breach on individuals and/or an organization (E).
Course Requirements:

1. The certification exam for this course is required to be taken on campus or an approved proctored environment.
2. The student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
3. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Course Grading Scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
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<tr>
<td>80 – 89</td>
<td>B</td>
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<tr>
<td>70 – 79</td>
<td>C</td>
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<tr>
<td>60 – 69</td>
<td>D</td>
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<tr>
<td>0 – 59</td>
<td>F</td>
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</tbody>
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Attendance Policy: The college attendance policy is available at [http://www.bpcc.edu/catalog/current/academicpolicies.html](http://www.bpcc.edu/catalog/current/academicpolicies.html)

Course Fees: This course is accompanied with an additional fee for supplemental materials.

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Disability Services, D-110
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Phone: 318-678-6539
Email: sculpepper@bpcc.edu
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator
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