**CAMDEN COUNTY COLLEGE**

**Part 2**
**Department Master Syllabus**
**Camden County College**
**Blackwood, New Jersey**

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| **Course Number:** CIS-112 | **Course Title:** The Technology of the Smartphone |

**Department/Program:** Computer Information Systems

**Date of Review:** Click here to select a month.    New course – May 2019

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided that no revision is necessary at this time.)

**Date of Revision:** Click here to select a month.    Click here to select a year.

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided a change requiring a revision is necessary at this time.)

N.B.  A change to the course materials alone (textbooks and/or supplementary materials) may not constitute a revision.  Any other change to the items listed below on this form is considered a revision and requires approval by the department/program faculty at a department/program meeting and by the division at a Chairs and Coordinator meeting.

**Credits:** 1

| **Contact Hours** | **Lecture:** 1 | **Lab:** 0 | **Other:** 0 |
|---|---|---|---|

Prerequisites:  None

Co-requisites:  None

Course Description:  Smartphones have become an integral part of life. This course will provide the students with an appreciation of the complexity of smartphone, the history, and the technology. It will build the student's knowledge of the smartphone to enhance the use of it and bring them to an awareness of the great impact smartphones make to business and ecommerce.

**Student Learning Outcomes (SLOs)**

Course specific student learning outcomes
Upon completion of this course the student will be able to:

1. Explain the theory of how smartphones operate as assessed by tests, reports, class discussions, and assignments.
2. Describe the hardware (physical components) incorporated into a cellphone as assessed by reports, tests, class discussions and assignments.

3. Make informed decisions regarding cell phone networks as assessed by reports, research activities, tests, class discussions, and assignments.
4. Exchange information among cellphones, computers & other electronic devices as assessed by reports, tests, hands-on activities and/or assignments.
5. Explore, compare, and contrast the various business productivity and collaboration applications (apps) that are available for smartphones as assessed by reports, test, hands-on activities
and/or assignments.

As assessed by:
The above SLOs will be assessed by class participation, problem solving assignments, projects, homework, quizzes, research activities, and/or discussions.

## General Education Student Learning Outcomes

If this course has applied for General Education Elective Status the general education student learning outcomes listed below must exactly match those the sponsor has identified on the General Education Request form.
General Education SLOs:
NA
As assessed by:
NA

## Program Learning Outcomes

List all course level student learning outcomes that interconnect to a particular program learning outcome.

6. Student Learning Objective: Explore, compare, and contrast the various business productivity and collaboration applications (apps) that are available for smartphones as assessed by reports, test, hands-on activities and/or assignments.

   Program Learning Outcome: Adapt to emerging technologies and new environment.

Describe the assessment of the interconnected program learning outcome(s).

Consistent with the College's assessment method, the course interconnectedness with the Program learning outcome will be assessed on a rotating schedule with other courses in the Computer Information Systems program. Students will be evaluated on the degree to which the student learning outcomes are achieved. A variety of methods may be used such as  class participation, problem solving assignments, projects,  homework, quizzes, research activities, and/or discussions.

**Course Outline:**

1. History of cellphone
   a. development of cell phone technology
   b. development of cell phone devises
2. Cell phone carriers (United States, outside of United States) – is there a difference?
3. Differences between smartphone models
4. Cellphones as a source of information
5. Cellphone privacy applicable laws both in United States and other countries
6. Cellphone privacy – how to maintain privacy when using a smartphone
7. Cellphone security
8. How to build a cellphone app
9. Sources for cellphone apps
10. Types of cellphone apps:
    a. Browsers
    b. Games
    c. Education
11. Understand the psychology of why smartphone usage can cause anxiety and frustration;
12. Connectivity between
    a. Smartphones and computers
    b. Smartphones and other smartphones
    c. Smartphones and printers
13. Use of smartphones for various business productivity and collaboration applications (apps) that are available.

**Course Activities:**

The classroom activities will include formal and informal lectures, discussion sessions, and hands-on projects. New material, assigned readings, and current research will be examined. Students are encouraged to participate in all class or group discussion.

**Course Materials:**

Textbook(s): To be announced

Supplemental Materials: To be announced

Software Licenses: N/A at the present time

Computers: This course will be taught in an existing computer classroom

**Course Assessment Plan**

How often and by what means will the effectiveness of this course as part of the curriculum be assessed?

Consistent with the College's assessment methods in place, the course will be assessed on a rotating schedule with other courses in the Computer Information Systems program. Students will be evaluated on the degree to which the student learning outcomes are achieved. A variety of methods may be used such as  class participation, problem solving assignments, projects, homework, quizzes, research activities, and/or discussions.