

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CTEC 235

Credit hours: 3-3-0

Course Title: Mobile Application Development

Course Prerequisites: CTEC 151

Textbook(s): None

Course Description: This course covers the basics of developing applications for mobile devices. By the end of this course, students will be able to design, code, test and debug mobile applications.

Learning Outcomes:

At the end of this course, the student will:

- A. Write code that runs on mobile devices
- B. Display graphics and interactive elements via a mobile app
- C. Build mobile applications that respond to user input
- D. Build mobile applications that integrate with external data sources

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. Create software projects that target mobile devices (A)
2. Write in a coding language used on mobile devices (such as Kotlin, Swift, Dart, C# or Javascript) (A)
3. Write code to display graphics on a mobile device screen (B)
4. Write code to display buttons and text fields on a mobile device screen (B)
5. Write code that responds to user input (B, C)
6. Build projects that store data directly on a mobile device (D)
7. Build projects that read from data stored on a mobile device (D)
8. Build projects that read data from a REST API (D)

Course Requirements:

1. Achieve a course average of 70% or above.
2. Students are expected to attend class regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).
3. Students must have access to Windows and Mac computers and the Internet to complete the assignments.

Course Grading Scale:

- A = 90 - 100
B = 80 - 89
C = 70 - 79

D = 60 - 69

F = 0 - 59

Attendance Policy: The college attendance policy is available at <http://catalog.bpcc.edu/content.php?catoid=5&navoid=369>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F-254

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6511

Email: acao@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.