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CSTP 2305: iOS Mobile Application Programming

EFFECTIVE DATE

September 2019

DEPARTMENT

Computer Systems Tech Diploma

DESCRIPTION

In this course students will study basic iOS application development for Apple mobile devices as well as cross platform application development for both Android and Apple devices. Studies will include an introduction to the programming language required to create applications for iOS mobile devices. Students will utilize a cross platform development tool to create a mobile application that can run on multiple platforms (this is the iOS version of CSTP 2205).

CREDITS

3.0

YEAR OF STUDY

2nd Year Post-secondary

PREREQUISITES

CSTP 1205 Programming in C++ CSTP 1206 Introduction to Internet Programming & Web Applications

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Discuss application development for iOS mobile devices
- Explain basic programming constructs necessary for an iOS application
- Develop software that can run on an iOS device using decisions and repetitions
- Develop software that can run on an iOS device using object oriented concepts
- Develop software that can run on an iOS device using advanced concepts
- Explain the rationale for using a cross platform development tool to create applications
- Develop a mobile application using a cross platform development tool that can run on multiple device platforms

- Develop a mobile application using a cross platform development tool that can interact with other applications on the device

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 25

Lab: 35

INSTRUCTIONAL STRATEGIES

Instructional strategies include classroom lectures, demonstrations, group discussions, computer lab and hands-on practical work.

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

C

EVALUATION PLAN

Type	Percentage	Assessment activity
Assignments	50	2 Assignments worth 25% each
Participation	5	
Quizzes/Tests	20	
Final Exam	25	

COURSE TOPICS

- Application development for iOS mobile devices.
- Basic programming for an iOS application.
- Software development for iOS device using decisions and repetitions.
- Software development for iOS device using object oriented concepts.
- Software development for iOS device using advanced concepts.
- Cross platform development to create application

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

Broadway campus

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Downtown campus

250 West Pender Street
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Annacis Island campus

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