

CIST 2381 - Mobile Application Development (version 201003L)

Course Title Course Development Learning Support

Mobile Application Development Standard No

Course Description

This course explores mobile guidelines, standards, and techniques. This course includes design and development techniques for multiple mobile devices, platforms, and operating systems. Students will develop mobile applications using state of practice development tools, languages and devices.

Pre-requisites

Pre-requisites: One Required

CIST 1305 - Program Design and Development (201003L)

Co-requisites

Co-requisites: None

Course Length

	Minutes	Contact Hour	Semester Credit	WLU
Lecture:	1500	30		
Lab 2:	3000	60		
Lab 3:	0	0		
Total:	4500	90	4	
Semester Credit Hours:			4	142.5
Breakout Detail of Lab 3				
Practicum/Internship	0	0		
Clinical	0	0		

Competencies & Outcomes

Order	Description	Lecture	Lab 2	Lab 3	Total Min	Credit Hrs	Pract Intern	Clinical
1	Mobile Ecosystem and Applications	500	500	0	1000	1	0	0
Order	Description					Learning Domain	Level of Learning	
1	Determine the correct mobile application(s) required in response to a project proposal.					Cognitive	Application	
2	Screen-Sized Interfaces	200	500	0	700	1	0	0
Order	Description					Learning Domain	Level of Learning	
1	Construct error free mobile interfaces for multiple mobile applications and devices.					Psychomotor	Complex Response	
3	Mobile Standards	100	600	0	700	1	0	0

Order	Description	Learning Domain	Level of Learning
1	Construct an error free mobile application using current mobile standards and guidelines.	Psychomotor	Complex Response

4 **Mobile Applications** 500 700 0 1200 1 0 0

Order	Description	Learning Domain	Level of Learning
1	Construct an error free mobile application using current industry state of practice technologies.	Psychomotor	Complex Response

5 **Mobile Apps VS Native Apps** 200 700 0 900 1 0 0

Order	Description	Learning Domain	Level of Learning
1	Defend his/her decision to create a mobile web app or native app in response to project proposal requirements.	Cognitive	Evaluation

		Lecture	Lab 2	Lab 3	Total Min	Cred Hrs	Pract Intern	Clinical
Competency Totals:		1500	3000	0	4500	4	0	0