CPDM 240 Emerging Technologies: Web and Mobile Applications

Course Description: A course on emerging technologies in software and applications development for the Web and mobile devices.

Prerequisites(s): BPA 230   **Corequisite(s):** No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 105	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☐ Web ☐ Hybrid ☒ Classroom		
Semesters Offered: ☐ Fall ☒ Spring ☐ Summer		

Course Primary Text:

Title: Beginning Android Application Development	Edition:
Author(s): Wei-Meng Lee	
Publisher: Wrox	

Supplemental Materials:

Course Outcomes:

1	Understand Android platform architecture
2	Design, develop, debug, and deploy Android applications
3	Use Android SDK's to test and debug applications

Course Topics:

Week 1	Getting started with Android Programming
Week 2	Activities Fragments and Intents
Week 3	Android User Interface
Week 4	Android User Interface – Continued
Week 5	Android User Interface – Continued
Week 6	Displaying Pictures and Menus with Views
Week 7	Midterm Project
Week 8	Data Persistence

Week 9	Content Providers
Week 10	Messaging
Week 11	Location Based Services
Week 12	Networking
Week 13	Developing Android Services
Week 14	Publishing Android Applications
Week 15	Final Project

Methods of Evaluation/Assessment

Assignments – 40%
Midterm Project – 20%
Final Project - 40%

Course Keeper: Bob Nields   Date Completed: 4/1/2019