

COURSE INFORMATION			
Course Prefix/Number:	<b>COP2662</b>	Course Title:	<b>Android Application Development 2</b>
Number of Credits:	4.00	Clock Hours:	
Course Type:	<input type="checkbox"/> Lecture	<input type="checkbox"/> Lab	<input checked="" type="checkbox"/> Lecture/Lab Combo
	<input type="checkbox"/> Internship	<input type="checkbox"/> Clinical	<input type="checkbox"/> College Prep.
Degree Type:	<input type="checkbox"/> B.A.S.	<input type="checkbox"/> B.S.	<input type="checkbox"/> A.A.
	<input type="checkbox"/> C.P.P.	<input type="checkbox"/> A.T.C.	<input type="checkbox"/> C.C.C.
		<input checked="" type="checkbox"/> A.S.	<input type="checkbox"/> A.A.S.
		<input type="checkbox"/> C.T.C.	
COURSE DESCRIPTION			
Students will learn the physiological and psychological factors affecting vehicle operations. This course stresses the importance of vehicle maintenance, environmental conditions affecting driving, and elements of basic driving skills including skids and other causes of accidents. Students will demonstrate hands-on basic driving skills. For School of Justice students only. Laboratory fee.			
Prerequisite(s): COP2800, COP2660		Co-requisite(s):	
COURSE COMPETENCIES			
<b>Learning Outcomes Legend:</b>			
1. Communication	4. Information Literacy	7. Ethical Issues	
2. Numbers / Data	5. Cultural / Global Perspective	8. Computer / Technology Usage	
3. Critical Thinking	6. Social Responsibility	9. Aesthetic / Creative Activities	
		10. Environmental Responsibility	
<b>Competency 1:</b> The student will demonstrate how to use the local media content provider by:			<b>8</b>
1. Creating, modifying or editing existing event information within the Android Calendar.			
2. Creating, modifying or editing existing contact information within the Android Contacts.			
<b>Competency 2:</b> The student will demonstrate understanding of GPS and location based services by:			
1. Accessing the audio and video media lists within the Android Media Store.			
2. Utilizing the appropriate location provider to find the physical location of the device.			
3. Creating map-based activities to show the current location of the device.			
<b>Competency 3:</b> The student will demonstrate how to utilize notifications by:			
1. Creating a notification and configuring the status bar icon.			
2. Triggering notifications and utilizing the devices audio, LEDs and vibrating motor to notify the user.			
<b>Competency 4:</b> The student will demonstrate how to use background threads by:			
1. Creating and controlling background services.			
2. Registering a background service in the manifest.			
<b>Competency 5:</b> The student will demonstrate how to use the audio and video hardware by:			
1. Preparing audio and video for playback utilizing the media player interface.			
2. Preparing audio and video for recording utilizing the media recorder interface.			
3. Controlling the camera and taking pictures.			
<b>Competency 6:</b> The student will demonstrate how to create SMS communication by:			
1. Utilizing the SMS manager to send SMS messages.			
2. Handling and parsing incoming SMS messages.			
<b>Competency 7:</b> The student will demonstrate how to use the device's motion sensors by:			<b>2</b>
1. Employing the sensor manager to identify the available sensors.			
2. Employing the sensor manager read the compass, accelerometer, and orientation sensors.			
3. Interpreting the sensor values.			
<b>Competency 8:</b> The student will demonstrate how to establish network connectivity by:			<b>3</b>
1. Utilizing Bluetooth to create a connection with another Bluetooth device.			
2. Establishing a TCP/IP wireless connection to a remote address.			