

**Nashville State Community College  
Business, Applied Arts & Technologies Division  
Computer Information Systems**

**Master Course Syllabus**

**CIS 2500 Special CIS Topics: Mobile Apps**

3 Credits

2 Class Hours, 2 Lab Hours

A hands-on, project-based introduction to computer programming using the Android environment. Students will learn the foundation of computer programming while designing, developing, and deploying mobile applications that incorporate multimedia, GPS and other current technologies. Prerequisite: permission of instructor.

**Instructor Information:**

Name:

Email:

Office Phone:

Office Location:

Office Hours:

**Textbook and Other Materials:**

Textbook:	<i>App Inventor: Create Your Own Android Apps</i> by David Wolber, Hal Abelson, Ellen Spertus and Liz Looney Print ISBN 9781449397487 Ebook ISBN 9781449397951
Reference Materials:	As assigned
Hardware:	Reliable computer Dependable internet service provider (ISP) (optional) Access to an Android cell phone or table. This is not necessary, although it is helpful for testing out your apps
Software:	Internet Explorer (version 6.0-version 8.0), Google Chrome or Firefox

**Course Outcomes:**

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

- Identify mobile programming components and properties
- Distinguish between events and event handlers
- Understand screen arrangements and program inputs/outputs
- Explain persistence as it applies to mobile programming
- Build apps that incorporate built-in function blocks
- Explain parameters as they apply to functions
- Define and understand programming variables
- Utilize drawing canvases and image sprites

- Work with images and sound objects
- Write examples that incorporate timer events
- Design apps that incorporate programming logic like conditionals and loops
- Apply the concepts of GPS and mapping to a mobile application
- Utilize the text-to-speech and speech-to-text objects in appInventor
- Write apps that include use of a barcode scanner
- Gain experience in debugging programs before they are released
- Incorporate the use of database concepts via the TinyWebDB component into applications

### **Course Assessments:**

The following performance assessments will be used to demonstrate students' understanding, knowledge and skills:

- **EXAMS**  
There will be one exam in this course - a final exam. This will be a programming assignment similar to the others that you do during the semester. If you know in advance that you will be absent the day of a scheduled exam, you need to make arrangements with me as soon as possible. If you miss an exam because of illness or an emergency, you must contact me within one week of the scheduled exam date. You can contact me by email or telephone. Failure to do so will result in a grade of zero for that exam. Any properly documented excuse will result in the student taking a makeup exam during a mutually agreed upon time with the instructor. Any student who misses the final exam due to illness or an emergency will be given an "I" if they meet the necessary conditions for an incomplete (see "GRADING SCALE") and must take the exam the following semester.
- **PROGRAMMING ASSIGNMENTS**  
Students will create mobile apps that will reinforce material presented in the textbook. Points will be deducted from written and web assignments for spelling errors, incorrect grammar, and inability to properly organize a cohesive response  
Computer assignments may be turned in anytime up to and including the date due. No assignment may be turned in after the due date.  
Assignments will not be accepted late due to a problem with your computer or disk.

### **Grading Policy**

Assessment of course goals is accomplished through several methods. The first is by written examination. These exams -- which cover lecture material, class discussion, textbook reading material and programming assignments and possibly other outside reading material--will include the ability to complete a programming task. Although writing skills are not assessed directly, the student's ability to present ideas in an orderly manner and the ability to write clear and comprehensible statements affect the instructor's decision about the student's level of achievement. The second method is by computer assignments that the student is required to perform outside regular class time. These skills demonstrate if the student has grasped the material in such a fashion that he or she can perform the necessary tasks on the computer. The third method is by participation. Students must participate in all interactive aspects of the course and post to the discussion board as required by weekly assignments. Students are also expected to communicate with other students and participate actively in all aspects on the

course. Students must check the course discussion board frequently for announcements, and students must actively participate in threaded discussion events.

The final grade will be based upon the following:

Participation 25%

Final 25%

Assignments 50%

### Grading Scale:

Grades will be determined as follows (Average = Total points earned / Total points):

Grade	Average	Points
A	90 - 100.0	
B	80 – 89.9	
C	70 – 79.9	
D	60 – 69.9	

### Attendance Policy

A student is expected to attend all scheduled classes and laboratories. Each instructor will formulate an attendance policy and provide it on the course syllabus. Absences are counted from the first scheduled meeting of the class, and it is the responsibility of each student to know the attendance policy of each instructor in whose class he/she is enrolled. If a student is absent from a class, he/she should give an advanced explanation to the instructor. Absences in a course may affect a student's final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade.

Failure to attend class will result in a final course grade of "FA" or "FN" (see explanation below) depending on the individual instructor's course policy.

FA= failure, attendance-related (unofficial withdrawal) Last recorded date of attendance required.

FN= failure, never attended class (unofficial withdrawal)

### Student Communication Channels

It is the student's responsibility to check D2L and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. D2L contains specific course information and MyNSCC contains information important for other purposes.

### Early Warning System

Nashville State Community College has implemented an Early Warning System to notify students via e-mail about academic problems such as poor classroom attendance, poor performance on assignments/tests, poor communication skills, late/missing assignments, and/or lack of classroom participation. Please note that Early Warning Alerts do not affect a student's academic standing.

## **ADA Compliance Statement**

Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Student Disabilities Office at 353.3721.

## **Classroom Misconduct**

Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. Please consult your Student Handbook for more specific details.

The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or in conduct which violates the general rules and regulations of the College.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.).

Please be aware that children are not allowed in class or unattended on campus.

## **Academic Dishonesty (Honor Code)**

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. "Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words (A Writer's Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else's work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor's permission, allowing someone else to copy or use your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an "F" or a "Zero" for the exercise, paper, or examination or to assign an "F" for the course. Students may appeal through the appropriate college grade appeal procedures.

## **Inclement Weather Policy**

In the event of an inclement weather event, check the Nashville State web site home page at [www.nsc.edu](http://www.nsc.edu) for announcements on campus closures. Campus closures will also be announced on local television stations (channels 2, 4, 5, and 17).

When classes are cancelled, an online assignment will be posted in NS Online. Check your NS Online email for a message from your instructor regarding your online assignment requirements. Even though classes may be cancelled, some areas, i.e. Testing Center, may be open. However, you should check before commuting to campus.

The Vice President for Academic Affairs and the Director of Security are responsible for cancellation decisions during an inclement weather event for the Nashville State main campus and the Southeast campus. Cookeville, Waverly, and Dickson Campus Directors will make class cancellation decisions based on conditions in their respective areas. Decisions about class cancellations are based on actual conditions, not forecasts. The perspective used for making decisions is that of the college as an employer, not as a K-12 institution. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

**NOTE:** This syllabus is meant simply as a guide and overview of the course. Some items are subject to change or may be revised at the instructor's discretion. Each instructor will further clarify their criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her course syllabus.