

## CSCI 2070 Syllabus (08)

**COURSE NUMBER:** CSCI 2070  
**COURSE TITLE:** Programming in Selected Languages I  
**CREDITS:** 3  
**PREREQUISITES:** CSCI 1010 or 2000

**INSTRUCTOR:** Name: Leong Lee  
Office: Claxton 315  
Office Hours: Mon/Wed/Fri 12:10noon-1:10pm,  
Tue/Thur 12:35noon-1:35pm, or by appointment  
Phone: 931-221-7038  
E-mail: leel@apsu.edu

**CLASS WEB SITE:** Please refer to D2L.

### COURSE DESCRIPTION:

Detailed study of one or more modern programming languages. Emphasis placed on competent programming in the selected language(s), understanding the main application areas for the language(s), and history and basis for creation of the language(s).

**COURSE OBJECTIVES:** Upon successful completion of this course students should be able to

1. Compile and run Java programs.
2. Identify and apply Java programming concepts such as decision structures, loops and files, and methods.
3. Write classes and create objects.
4. Create Java GUI applications.
5. Identify and apply array data structure in Java.
6. Identify and apply Java programming concepts such as aggregation, inheritance, polymorphism, and exception handling.
7. Create Java applets and embed them in Web pages.

**TIME AND PLACE OF CLASS:** Tue/Thur 11:10am-12:35pm, Claxton 116

### REQUIRED LEARNING RESOURCES:

**Textbook:** 1. Starting Out with Java: From Control Structures through Data Structures (2nd Edition), by Tony Gaddis, Godfrey Muganda.

**Others:** A USB Flash Drive

**ATTENDANCE POLICY AND CLASS PARTICIPATION:**

Students are expected to attend all classes, arrive on time and participate in classroom discussions. Students are expected to remain in class until the class is finished unless extenuating circumstances such as illness requires the student to leave. If a student leaves class early, the instructor must be notified as to the reason that the student left. Any student who has not attended class and/or submitted assignments for a three week period will receive an FA grade.

**ASSIGNMENTS / PROJECTS:** Assignments (projects) will be both written and programming. The instructor will not make any adjustments to a student's code when grading, so if any submitted program does not compile the student will get a zero on the "correctness" portion of the grade (or 50 points off the overall grade), with no exceptions. Program source code will be turned in electronically.

**LATE POLICY AND MAKEUP EXAMS:** Assignments (projects) are due on the stipulated due dates, and may be turned in up to 7 calendar days late with a 25% late penalty. No assignment will be accepted more than 7 calendar days after the original due date! Students with planned absences, whether for university events, religious observance, or other reason, are expected to make arrangements with the instructor to turn in assignments or take exams before the scheduled date of the assignment or test.

Exam/test dates are on the schedule on the following page — if there are any changes, they will be announced at least two weeks in advance if possible. A missed exam may be made up only if it was missed due to an extreme emergency and arrangements are made before the exam date. Exams may not be taken early or late due to personal travel plans.

**EVALUATION AND GRADING:** Each student activity will contribute to the final grade in the class according to the following percentages.

Assignments	45%
Mid-semester exams (15% each)	30%
Final exam	25%

Final Percentage	Final Grade
90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
Below 60	F

**POLICY ON MINORS:** Minors (any non-student under the age of 18) accompanying staff, faculty, students or visitors on campus are not permitted in the classroom.

**DISABILITY POLICY:** Any student who has a disability that may affect his/her academic performance is encouraged to make an appointment with me to discuss this matter, or you may contact Disability Services; telephone 221-6230; tty 221-6278; fax 221-7102.

**ACADEMIC MISCONDUCT:** Students are expected to conduct themselves appropriately at all times. Academic and classroom misconduct will not be tolerated. Students must read the “Code of Student Conduct” in the new Student Handbook for an understanding of what will be expected of them within the academic setting.

Students are required to turn in their own work and not the work of others. Collaboration on homework, assignments, quizzes, and exams is prohibited, unless otherwise specified by the instructor. Likewise, plagiarism of other's work or web-related sources constitutes a serious infraction. This includes submitting work very similar to another student's project, copy and paste from Internet searches, and Internet sites for hiring coders to complete a project. “Penalties for academic misconduct will vary with the seriousness of the offense and may include, but not limited to, a grade of “F” on the work in question, a grade of “F” in the course, reprimand, probation, suspension and expulsion.” (quoted from APSU Academic and Classroom Misconduct). Protect your own work. Do not leave your assignments on the hard drives of the computers or printers in the lab for others to see.

**TOPICAL OUTLINE/CALENDAR:**

<b>Week / Date</b>	<b>Topic</b>	<b>Reading</b>	<b>Remarks / Due / Exam</b>
<b>1</b> 1/12, Thur	Introduction to Computers and Java	Ch. 1	
<b>2</b> 1/16, Mon	Java Fundamentals	Ch. 2	1/16, Mon: <b>Martin Luther King Day Holiday</b>
<b>3</b> 1/23	Decision Structures	Ch. 3	1/25: Last day to drop classes without record
<b>4</b> 1/30	Loops and Files	Ch. 4	
<b>5</b> 2/6	Methods	Ch. 5	
<b>6</b> 2/13	A First Look at Classes	Ch. 6	
<b>7</b> 2/20	A First Look at GUI Applications	Ch. 7	Note: <b>Exam I</b> 2/22: Last day to drop classes with an automatic "W"
<b>8</b> 2/27	A First Look at GUI Applications	Ch. 7	
<b>9</b> 3/5			3/4-3/10: <b>Spring Break</b> 3/4-3/10: Mid-semester
<b>10</b> 3/12	Arrays and the ArrayList Class	Ch. 8	
<b>11</b> 3/19	A Second Look at Classes and Objects	Ch. 9	
<b>12</b> 3/26	Text Processing and More about Wrapper Classes	Ch. 10	Note: <b>Exam II</b> 3/25: Last day to drop classes with a "W", "F" or "FA" 3/26: Mandatory "F" period begins
<b>13</b> 4/2	Inheritance	Ch. 11	4/6: <b>Good Friday</b> Holiday
<b>14</b> 4/9	Exceptions and Advanced File I/O	Ch. 12	

<b>15</b> 4/16	Introduction to Applets	Ch. 14	
<b>16</b> 4/23	Introduction to Applets	Ch. 14	4/25, Wed: Last day of classes
<b>17</b>	<b>4/27, Fri, 10:30am-12:30pm: Final Exam</b> (Online class may have different exam date, to be announced)		Note: <b>Final Exam</b>

**LAPTOPS AND OTHER ELECTRONIC DEVICES IN THE CLASSROOM:** Cell phones must be turned off or on vibrate during class. NO cell phone can be answered during class unless there is an emergency situation and you have discussed the emergency with the instructor prior to class. No text messaging is permitted during class. Laptops/ tablets are permitted whenever the student considers the laptop/tablet as an enhancement of his/her learning experience. However, the student **MUST** be using the laptop/tablet in a manner that directly relates to the content of this class such as viewing the slides from the lecture or taking notes. The laptop/tablet must not be a distraction to others in the class. No other electronic devices will be allowed in class without prior consent of the instructor.

**CAVEAT:** The above schedule and procedures are subject to change in the event of extenuating circumstances.