

MIDSTATE COLLEGE  
411 W NORTHMOOR RD  
PEORIA, IL 61614  
[\(309\) 692-4092](tel:3096924092) or (800) 251-4299  
SPRING 2019

**Course:** CIS 255 – Java Programming

**Credit Hours:** 4 quarter hours

**Method of Delivery:** Classroom/Flex

**Course Description:** This course expands upon foundational Java programming. Topics will include inheritance relationships, class differences, handling exceptions, GUI applications, applets and recursion. Course fees may apply.

**Textbook:** Gaddis. Starting Out with Java: From Control Structures through Objects (6th Edition). Addison Wesley, 2016. ISBN-13: 978-0-13-395705-1.

**Prerequisite:** CIS 155 – Java Programming

**Materials needed for this course:** Textbook plus the free Java software package in Midstate's labs.

**Topics:** Object-oriented programming, classes (including abstract), objects, packages, encapsulation, methods, interfaces, arrays, inheritance, recursion, data structures.

**Learning Objectives:** Upon completion of this course, the student will be able to:

1. Create an inheritance relationship
2. Differentiate classes
3. Handle exceptions
4. Create a Java application with a graphical user interface
5. Create applets
6. Understand recursive methods

**Grading Scale:**

90-100: **A**

80-89: **B**

70-79: **C**

60-69: **D**

<=50: **F**

**Midstate Plagiarism Policy:** Plagiarism is using another person's words, either by paraphrase or direct quotation, without giving credit to the author(s). Plagiarism can also consist of cutting and pasting material from electronic sources by submitting all or a portion of work for assignment credit. This includes papers, computer programs, music, sculptures, paintings, photographs, etc. authored by another person without explicitly citing the original source(s). These actions violate the trust and honesty expected in academic work. Plagiarism is strictly against the academic policy of Midstate College. Its seriousness requires a measured, forceful response which includes consequences for inappropriate and/or no citation.

In courses containing writing assignments, the College promotes the use of an electronic resource which compares the student's writing against previously submitted papers, journals, periodicals, books, and web pages. Students and instructors can use this service to reduce the incidence of plagiarism. This electronic resource has been found to conform to legal requirements for fair use and student confidentiality. It is able to provide a report to the student indicating the parts of the assignment that match.

**Student Success:** The Office of Student Success is available to students seeking tutoring for individual classes or who need assistance with writing assignments. Information is also available on test taking techniques, how to take notes, developing good study skills, etc. Contact Student Success in Room 218(in person); (309) 692-4092, extension 2180 (phone); studentsuccess@midstate.edu (email).

**Instructor:** Mark Webb

**Email:** mdwebb@midstate.edu

**Office Hours:** By Appointment (student arranges)

### **Policies & Procedures:**

This is a programming class, so the emphasis will be on writing programs.

1. One program will be written as homework for each lecture night, due the following class
2. One on-line quiz will be covered to strengthen terminology covered in that week's lecture
3. The mid-term, and final will be a Java program the instructor will provide, that the student will complete. Requirements will be given describing what items will be needed in order to gain points.

### **Point Scale:**

1. Quizzes: 10 points each (total: 120)
2. Homework: 35 points each (total: 420)
3. Weekly Forum: 10 points each (total: 120)
  - a) Student will receive 10 points if they show up on campus or via skype. Else, must participate in the online forum
4. Midterm Project: 170 points (take home project)
5. Final Project: 170 points (take home project)

### **Grading:**

There will be a TOTAL of 1,000 points available (120+420+120+170+170=1,000)

1. 900-1000 = A
2. 800-899 = B
3. 700-799 = C
4. 600-699 = D
5. < 600 = F

### **Instructor Expectations:**

- This class will consist of 12 classes. And the instructor expects each student to attend all classes (live, skype or video lecture).
- The instructor expects the student to let him know if they are having any problems within the class and related Chapters. The instructor is here to answer the student's questions and assist them. If the student does not understand what is covered in class and courseware, PLEASE let the instructor know.

### **Penalties for turning in late assignments without prior approval from the instructor:**

(ALL homework is due the following week)

- One Week Late = 10%
- Two Weeks Late = 25%
- Three or More Weeks Late = 50%

***\*Joule will show if an Assignment is late***

## **Guidelines for completing homework and lab assignments:**

1. All assignments must conform to the rules outline on that assignment.
2. Work must correctly answer questions or must clearly show that you completed the assignment.
3. If you have any questions about an assignment, please ask before the work is due.
4. Students are expected to take all exams when administered. Make-up exams are a privilege granted at the discretion of the instructor.
5. You may get help from the instructor or other students.
6. You may not copy another student's work either in whole or in part.
7. If you are in doubt the help you are giving is permissible, ask!
8. Plagiarized assignments are given a grade of "0" with no opportunity to resubmit the assignment. (see Midstate's plagiarism policy)  
(This class grades each student on an individual basis. Because of this the instructor expects each student to do their own work.)

## **I am one of the FEW Instructors that uses Skype for a "LIVE" online Classroom**

- The instructor will set up a Web Cam for every class for ANY student that wants to attend class in 'real time' without having to come on campus. Search for "mark.webb.midstate" to connect with.
- **RULES** for Skype'ing: class starts on time. Keep microphone muted unless asking a question. You do NOT need a web cam, just a microphone to ask questions.

## **Attendance policy for the class:**

- If you miss 20% of the quarter, your final grade will be lowered one letter grade (an "A" becomes a "B")
- If you miss 30% of the quarter or more of the semester, your final grade will be lowered 2 letter grades (an "A" becomes a "C")
- We will be meeting 12 times, i.e.; 3=20%, 4=30%
- Flex courses are taught both on-campus and through eLearning. Flex courses offer personalized learning where students can choose each week whether they want to attend on-campus, via eLearning, or both:
  - On-campus = If a student attends an on-campus course, he or she will be counted as present.
  - eLearning = To be considered in attendance for an eLearning course **one** of the following must be met:
    - The student must participate each week by submitting substantial, gradable work
    - Attend class in 'real-time' through on-line communication with microphone & webcam (Skype)

## **Low Attendance:**

(from the student handbook) "Attendance in the first two weeks is critical to successful completion of any course. Therefore, if a student misses any class in weeks 1-2 of the quarter, they will be marked as a student in jeopardy."

I will turn in attendance on a WEEKLY basis.

## **General class policies:**

- Cell phones should be silent (off or set to vibrate).
- If necessary, take phone calls outside of the class, away from the classroom door.
- The instructor reserves the right to answer any cell phones that disturb class.
- Students engaging in disruptive behaviors such as surfing the Internet, Chat, IM or any other activity during lecture will have their score reduced on the exam over this material by 10%.

**Weekly Schedule – CIS 255**

<b>Week</b>	<b>Chapter</b>	<b>Topic</b>	<b>L Obj</b>	<b>Class Activities</b>
1	9	Review/Overview, 9.1 – 9.2	1	
2	9	9.3 – 9.8	1	
3	10	All Chapter 10	1	
4	11	All Chapter 11	1	
5	12	All Chapter 12	1	<b>MIDTERM PROJECT GIVEN</b>
6	13	13.1 – 13.6	1	
7	13	13.7 – 13.12	1	<b>MIDTERM PROJECT DUE</b>
8	Junits	Junit Handout/Web site		
9	14	All Chapter 14	1	
10	15	All Chapter 15	1	
11	16	All Chapter 16	1	<b>FINAL PROJECT GIVEN</b>
12	17	17.1 – 17.13	1	<b>FINAL PROJECT DUE</b>