# CIS-132-01 Principles of Programming

# Fall 2022

|  |  |
| --- | --- |
| **Course Start and End Dates** | 8/29/2022-12/12/2022 |
| **Meeting Days and Times** | Mondays/Wednesdays 12:30-2:25 pm |
| **Class Meeting Location** | A-226 |
| **Course Description** | Principles of Programming introduces the student to object-oriented programming. Students will learn how to write code and develop strategies to solve problems. Topics covered include: creating classes, decision structures, loops, file I/O, arrays, text processing and wrapper classes.  Pre or Corequisites: Any General Education MATH course plus either CIS-124 or ENGR-100.  Two hours lecture and two hours laboratory each week. Three credits. Three billable hours. |
| **Required Materials** | * Textbook: Starting Out with Java: Early Objects (6th Edition) ISBN 978-0-13-446201-1 * IntelliJ IDEA Ultimate <https://www.jetbrains.com/idea/> * (Free license: register with your carrollcc.edu account!) * Java SE Development Kit 8 (JDK) * <https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html> |
| **Instructor** | Richard Gibbs |
| **Instructor Email** | [rgibbs@carrollcc.edu](mailto:rgibbs@carrollcc.edu) |
| **Instructor Phone** | N/A |
| **Office Location** | N/A |
| **Office Hours** | MW 12:00-12:30 pm in classroom (i.e. immediately before class) |
| **Division Chair** | Rob Brown  [rbrown@carrollcc.edu](mailto:rbrown@carrollcc.edu) 410-386-8224 |
| **Administrative Associate** | Donna Kiple  [dkiple@carrollcc.edu](mailto:dkiple@carrollcc.edu) 410-386-8226 |

# Course Objectives

1. Write code that uses variables, decision statements, arrays, conditional and loop constructs. (PG5)

2. Manipulate primitive numeric data and string data. (PG5)

3. Create Java classes and use object references. (PG2)

4. Access the fields and methods of an object. (PG2)

5. Access and create static fields and methods. (PG2)

6. Create arrays and array lists (PG4)

7. Debug programs by fixing syntax and logical errors. (PG2)

8. Explain how a program works by going through the code line by line. (PG1,PG4,PG5,GE1,PG1,PG2,PG4,PG5)

# Course Schedule (Subject to Change)

|  |  |  |  |
| --- | --- | --- | --- |
| **Week #** | **Topics** | **Assignments** | **Assignments Due** |
| **Week 1**  8/29 | * Introductions * Syllabus Review * Starfish * Chapter 1 * Installing the JDK * Installing IntelliJ * Intro to IntelliJ IDE * Submitting to Canvas * Chapter 2 | * Read Ch. 1 * Read Ch. 2 * Lab 1 * Quiz 1 |  |
| 8/31 | * Chapter 2 (continued) |  | * Read Ch. 1 * Read Ch. 2 |
| **Week 2**  9/5 | NO CLASS | LABOR DAY | HOLIDAY |
| 9/7 | * Chapter 2 (continued) | * Read Ch. 3 * Lab 2 * Quiz 2 | * Lab 1 * Quiz 1 |
| **Week 3**  9/12 | * Chapter 2 (continued) |  |  |
| 9/14 | * Chapter 3 | * Read Ch. 4 * Lab 3 * Quiz 3 | * Read Ch. 3 * Lab 2 * Quiz 2 |
| **Week 4**  9/19 | * Chapter 3 (continued) |  |  |
| 9/21 | * Chapter 3 (continued) |  |  |
| **Week 5**  9/26 | * Chapter 4 | * Read Ch. 5 | * Read Ch.4 |
| 9/28 | * Chapter 4 (continued) | * Lab 4 * Quiz 4 | * Lab 3 * Quiz 3 |
| **Week 6**  10/3 | * Chapter 4 (continued) |  |  |
| 10/5 | * Chapter 5 | * Read Ch. 6 | * Read Ch. 5 |
| **Week 7**  10/10 | * Chapter 5 (continued) | * Lab 5 * Quiz 5 | * Lab 4 * Quiz 4 |
| 10/12 | * Chapter 5 (continued) |  |  |
| **Week 8**  10/17 | * Chapter 6 | * Read Ch. 7 * Lab 6 * Quiz 6 | * Read Ch. 6 |
| 10/19 | * Chapter 6 (continued) |  |  |
| **Week 9**  10/24 | * Chapter 6 (continued) |  | * Lab 5 * Quiz 5 |
| 10/26 | * Chapter 6 (continued) |  |  |
| **Week 10**  10/31 | * Chapter 7 | * Read Ch. 8 * Lab 7 * Quiz7 | * Read Chp. 7 |
| 11/2 | * Chapter 7 (continued) | * Semester Project |  |
| **Week 11**  11/7 | * Chapter 7 (continued) |  | * Lab 6 * Quiz 6 |
| 11/9 | * Chapter 7 (continued) |  |  |
| **Week 12**  11/14 | * Chapter 8 |  | * Read Ch. 8 * Semester Project Pseudocode |
| 11/16 | * Chapter 8 (continued) |  | * Lab 7 * Quiz 7 |
| **Week 13**  11/21 | * Chapter 8 (continued) * Project Time |  |  |
| 11/23 | NO CLASS | HOLIDAY | THANKSGIVING BREAK |
| **Week 14**  11/28 | * Project Time |  | * Lab 8 * Quiz 8 |
| 11/30 | * Project Time |  |  |
| **Week 15**  12/5 | * Project Presentations |  | * Semester Project |
| 12/7 | * Project Presentations * Review for Final |  |  |
| **MONDAY, 12/12** | **Final Exam on Monday, December 12 at 2:45 pm in our classroom. 2 hours in A-226 classroom.** | | |

# Assignments and Grade Values

1. Labs (400 points) Due at 11:59pm on due date.
   1. [Lab 1 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   2. [Lab 2 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   3. [Lab 3 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   4. [Lab 4 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   5. [Lab 5 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   6. [Lab 6 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   7. [Lab 7 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   8. [Lab 8 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
2. Classwork/Discussion Board (40 points).
3. 8 Reading Quizzes (160 points) Due at 11:59pm on due date.
4. Project Pseudocode (20 points)
5. Semester Project (180 points)
6. Final Exam (200 points)

# Grading Policy

* **Late Assignments**Assignments turned in up to one week late will incur a 20% grade reduction. Assignments will not be accepted a week or more after the assignment due date.
* **Classwork/Discussion Board**   
  Due to the hands-on nature of this subject, certain activities will be completed and will be graded towards classwork points.
* **Makeup tests**   
  Students are expected to take tests at the assigned date and time. Makeups may be given at the discretion of the instructor. In general, students should contact the instructor before the time of the test to ask for a makeup or extension. Do not assume that a makeup or extension will be granted! If an emergency arises and you are unable to contact the instructor in advance, contact must be made within 24 hours of the time that the test was administered. Students who do not contact the instructor within 24 hours will not be considered for a makeup test under any circumstances.

# Course Grade Structure

90 – 100% (895 – 1000 points) A

87 – 89% (865 – 894 points) B+

80 – 86% (795 – 864 points) B

77 – 79% (765 – 794 points) C+

70 – 76% (695 – 764 points) C

67 – 69% (665 – 694 points) D+

60 – 66% (595 – 664 points) D

Below 60% (< 595 points) F

# Expectations of Student Behavior

Practice common courtesy. It is expected that students will participate in discussion boards. No foul language and nothing that can be construed as violent or offensive. You may politely point out errors, concerns, or points of confusion. Please don’t be critical, nasty, or mean to each other. Treat others professionally! Remember, you may have an in-person class with these people in the future.

# Attendance Policy

Regular attendance and class participation are necessary for you to successfully achieve the objectives in your courses.  Occasionally students experience emergencies (in most cases considered excused absences) that prevent them from attending class.  If you must miss a class, please provide as much notice as possible. You should email or call your instructor prior to the missed class.  Your instructor may request an approved written excuse when you return.  If you miss class due to one or more unexcused absences, your grade may be impacted, especially in classes that require class participation.  Students who have more than the equivalent of one week of unexcused absences, as determined by the number of scheduled class meetings per week (e.g., if your class meets twice a week = two unexcused absences) may miss important work that cannot be made up.  Please refer to information provided in each course syllabus pertaining to how your course grade will be calculated and the faculty timeline for providing feedback on assignments.

The College attendance policy: [College Attendance Policy](https://catalog.carrollcc.edu/content.php?catoid=5&navoid=355&print%23%3a%7e%3atext=The+attendance+policy+of+Carroll+Community+College+is%2chigher+academic+achievement+than+those+who+do+not.&msclkid=33e72738b59e11ec886e12c3bd71368c)

# Refund, Withdrawal, and Audit Policy

The refund period ends Tuesday, 9/6/22. This is also the last day to drop without a W grade. The last day to withdraw with a W grade or to audit a class is Wednesday, 11/2/22. All students must contact their advisor for assistance with a Withdraw or Audit.

A student wishing to withdraw from or audit some or all of their courses should understand that such withdrawal or audit is not effective until the student completes the withdrawal or audit process by emailing their advisor (Check Starfish or call 410-386-8435 for an appointment). Audit approval is at the discretion of the professor.

To qualify for a refund, students must officially drop a course.

The College refund dates: [Refund and Withdraw Policy and Dates](https://www.carrollcc.edu/Costs-and-Aid/Refund-Policy/)

# Code of Integrity for Academic and Behavioral Standards

Carroll Community College has a [**Code of Integrity for Academic and Behavioral Standards**](https://catalog.carrollcc.edu/content.php?catoid=5&navoid=373&hl=%22section+six%22&returnto=search) to foster and promote a sense of respect and consideration of others and uphold academic honesty and social conduct (see the College Catalog).

Sometimes cheating can be unintentional. However, it still has consequences. You can empower yourself by learning how to avoid cheating.

The College has resources to help you. Seek help from your professors, the library, and/or the Academic Services.

All the following are forms of academic dishonesty that can reduce your opportunities to maximize your learning:

* Sharing course assignments or assessments outside of class unless authorized by your professor.
* Sharing course materials, exams, quiz questions, or solutions with current, future, or prospective students.
* Sharing and using sites such as Chegg, Course Hero, and other contract cheating websites or apps.
* Posting your work or the work of others on the Internet
* Posting excerpts from course exams.

Doing any of the above will be viewed as a violation of Academic Integrity. The consequences of cheating could result in an Academic Integrity Meeting and compromise your future goals.

# Communicating Concerns about the Course

If a student has a concern about this class, the student should follow the steps below per the [Formal Complaint Process](https://www.carrollcc.edu/wp-content/uploads/317-10-INF-Code-Formal-Complaint-WEB-Active-1.pdf):

1. Contact your professor. See contact information on page 1 of this syllabus.
2. If the concern is not resolved by the professor, then the student should complete the [complaint form](https://www.carrollcc.edu/wp-content/uploads/317-10-INF-Code-Formal-Complaint-WEB-Active-1.pdf) and submit it to the professor’s supervisor, the Division Chair, Robert Brown, [rbrown@carrollcc.edu](mailto:rbrown@carrollcc.edu)  or 410-386-8224.

# Student Health and Wellness

Carroll Community College is here to help you manage personal challenges that may threaten your well-being.

College students often experience issues that may interfere with academic success, such as academic stress; sleep problems; juggling responsibilities; the need for housing, food, or transportation; life events; relationship concerns; or feelings of anxiety, hopelessness, or depression. If you or a friend is struggling, we strongly encourage you to seek support. Helpful, effective, and confidential resources are available on campus, and most are free of charge.

* If you are struggling with this class, please check in during student hours or contact me by email at [rgibbs@carrollcc.edu](mailto:rgibbs@carrollcc.edu)
* Check in with your academic advisor if you are struggling in multiple classes, unsure whether you are making the most of your time at Carroll Community College, or unsure what academic resources are available at Carroll.
* Access services by completing a ‘Report A Student Concern’ by raising your hand on Starfish or ‘Student Concern & Incident Report Form’.

Visit [**https://www.carrollcc.edu/Student-Care-And-Integrity**](https://www.carrollcc.edu/Student-Care-And-Integrity)for additional information and resources.

* **The Student Care and Integrity office is providing 24/7, confidential, remote crisis services through the Student Assistance Program (SAP). Students can call 1-800-327-2251 and speak with an expert counselor or download the BHS APP, or visit https://www.BHSonline.com Username: CARROLLCC**

In the event I suspect you need additional support, I will express my concerns and the reasons for them, and remind you of resources that might be helpful to you.  It is not my intention to know the details of what might be bothering you, but to let you know I am concerned and that help, if needed, is available.

Getting help is a smart and courageous thing to do -- for yourself and for those who care about you.

# Academic Center

Click [here](https://carrollcc.instructure.com/courses/1070) to connect to our tutoring team. We are here to support you!

# Additional Policies and Information

The following policies are detailed in the Learning Management System:

Inclement Weather

Disability Services

Title IX Compliance