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| **COURSE DESCRIPTION:** | |
| CIS-132, Principles of Programming introduces the student to programming fundamentals and techniques. 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. Prerequisite: Any General Education MATH course. Three hours lecture, two hours laboratory each week. Some of the lab/project requirements need to be done outside of class. Four credits. Four billable hours. | |
| **INSTRUCTOR:** | **DEPARTMENT CHAIR:** |
| Stephanie Daniels  Email: [sdaniels2@carrollcc.edu](mailto:sdaniels2@carrollcc.edu) Office: TBD Office Hours:     - Tu & Th 10:45am to 11:15am  - By Appointment | Robert Brown Division Chair, Business & Technology Phone: 410.386.8224 Email: RBrown@carrollcc.edu |
| **CLASS MEETING TIMES:** | **INSTRUCTIONAL MATERIALS:** |
| Room: A226  CIS-132-01 - Tu & Th 8:00am to 10:25am | Blackboard: [Blackboard](http://carrollcc.blackboard.com) Text: Starting Out With Java Early Objects, 6th Edition  Publisher: Pearson  Author: Gaddis  ISBN: 978-0-13-446201-1 Recommended Media: USB drive  Java SE Development Kit 8 (JDK)  NetBeans IDE 8.2 |
| **COURSE OBJECTIVES:** | |
| Upon completing this course the student should be able to:  1. Write code that uses variables, decision statements, arrays, conditional and loop constructs. (GE2,PG2) 2. Manipulate primitive numeric data and string data. (GE2,PG2) 3. Create Java classes and use object references. (GE2,PG2) 4. Access the fields and methods of an object. (GE2,PG2) 5. Access and create static fields and methods. (GE2,PG2) 6. Create arrays and array lists (GE2,PG2) 7. Manipulate text data using the methods of the String and StringBuilder classes. (GE2,PG2) 8. Code a sort routine and use a search algorithm. (GE2,PG2) 9. Debug programs by fixing syntax and logical errors. (GE2,PG2) 10. Explain how a program works by going through the code line by line. (GE1,PG1,PG2,PG4,PG5) | |
| **USEFUL WEBSITES:**  NetBeans IDE Java Quick Start Tutorial  <https://netbeans.org/kb/docs/java/quickstart.html>  **COURSE INFORMATION:**  **Fall 2018 Withdrawal Statement:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Classes Start** | **Classes End** | **Full Refund Deadline\*** | **Last Day to Withdraw** | **Last Day to Audit** | | 8/27/18 | 12/14/18 | 9/04/18 | 10/31/18 | 10/31/18 |   A student wishing to withdraw from some or all of his/her courses should understand that such withdrawal is NOT effective until the student completes the withdrawal process!  **Refund Policy:**  \*The last day for a full refund deadline/The last day to remove a course with 100% refund:  To qualify for a refund, students must complete one of the following actions:  Complete a Registration/Schedule Change Form or submit a signed written request to the Records Office within the time period cited above.   * Online until 12:00 Midnight * In person until 7:00 p.m. * Fax form to Records Office – (410) 386-8446 * Withdrawal: If a student withdraws from a course a grade of "W" will be included in his/her permanent record. Students can complete the withdrawal process by going to The Office of Student Development and Learning (Room A114).  More information on refund and withdrawal dates can be found on the college website. | |
| * We are committed to accommodating students with disabilities. If you are a student with a disability and need reasonable accommodations, please contact the Office of ADA Support Services, Room A-101, or call 410-386-8329 or 410-386-8327. Please let your instructor know of your special needs. * Please consult the Student Handbook for policies regarding Student Conduct and Academic Action. * Students that are caught cheating or not submitting their own work will receive a zero for that assignment. A second occurrence of cheating will result in a failing grade for the course. The person that allows someone to copy their work will also receive a failing grade. * **Late Assignments**  Labs, Quizzes, and Projects (including Pseudocode) are due, submitted via Blackboard, at 11:59pm on the due date. After that time, they are considered late. 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**  Due to the hands-on nature of this subject, certain activities and group work will be completed in class and will be graded towards classwork points. Any extra credit will also go towards these points. Classwork will not receive points if not completed during class time (due to absence). * **Electronic Devices**  Devices such as laptops, tablet PCs, notebooks, PDAs, IPODs, and cell phones should not be on in Lecture. * **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 with 24 hours will not be considered for a makeup under any circumstance. * **Cancellation Policy** If for any reason a class is cancelled or the college campus is closed, it is each student's responsibility to visit the college Blackboard site for the course relevant announcements and/or assignments. If you are unable to access the internet, please contact the instructor at the phone number provided on the course syllabus. It is strongly suggested that the student do this as soon as word is provided that the class will be cancelled of the college campus closed so that any alternative/makeup assignment may be accomplished prior to the next scheduled class meeting. Please note that failure to access Blackboard or otherwise contact your instructor may result in an unexcused absence and lost credit for any work missed. * **Attendance Policy** Each student is responsible for all material covered in class. Therefore, those students who have a need to be absent are responsible for obtaining all notes and materials given during the missed class session.   Regarding the issue of lateness, I do expect students to be in class on time and ready to work from the time that class officially starts to the time it officially ends. There is quite a bit of work to cover and this really does need to be enforced.   * **Communication:**  Please follow the guidelines below when sending me an email.   1. The first eight characters of the subject line should be the course designation, course number and course section. Since you are in CIS-132-01, the first eight characters in the subject line should be CIS13201.   2. Please sure to include your name at the end of the email.   **Code of Integrity for Academic and Behavioral Standards**: Carroll Community College has a Code of Integrity for Academic and Behavioral Standards to foster and promote a sense of respect and consideration of others uphold high standards of academic honesty and social conduct (see the College Catalog). Cheating and plagiarism are serious offenses and will not be tolerated. It is expected that students complete their own work unless collaboration is expressly permitted by the instructor. | |

Schedule (Subject to Change)

| **Week #** | **Topics** | **Assignments** | **Assignments Due** |
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| 1  8/28/18 | * Introductions * Syllabus Review * Chapter 1 * Installing the JDK * Intro to NetBeans * How to create .zip file for labs * Chapter 2 | * Read Chapter 1 * Read Chapter 2 * Lab 1 * Quiz 1 |  |
| 8/30/18 | * Chapter 2 (continued) |  | * Read Ch. 1 * Read Ch. 2 |
| 2  9/4/18 | * Chapter 2 (continued) | * Read Chapter 3 * Lab 2 * Quiz 2 | * Lab 1 * Quiz 1 |
| 9/6/18 | * Chapter 2 (continued) |  |  |
| 3  9/11/18 | * Chapter 3 | * Read Chapter 4 * Lab 3 * Quiz 3 | * Read Ch. 3 * Lab 2 * Quiz 2 |
| 9/13/18 | * Chapter 3 (continued) |  |  |
| 4  9/18/18 | * Chapter 3 (continued) |  |  |
| 9/20/18 | * Chapter 4 | * Read Chapter 5 * Lab 4 * Quiz 4 | * Read Ch.4 * Lab 3 * Quiz 3 |
| 5  9/25/18 | * Chapter 4 (continued) |  |  |
| 9/27/18 | * Chapter 4 (continued) | * Read Chapter 5 |  |
| 6  10/2/18 | * Chapter 5 | * Read Chapter 6 * Lab 5 * Quiz 5 | * Read Ch. 5 * Lab 4 * Quiz 4 |
| 10/4/18 | * Chapter 5 (continued) |  |  |
| 7  10/9/18 | * Chapter 5 (continued) |  |  |
| 10/11/18 | * Chapter 6 | * Read Chapter 7 * Lab 6 * Quiz 6 | * Read Ch. 6 * Lab 5 * Quiz 5 |
| 8  10/16/18 | * Chapter 6 (continued) |  |  |
| 10/18/18 | * Chapter 6 (continued) |  |  |
| 9  10/23/18 | * Chapter 6 (continued) |  |  |
| 10/25/18 | * Chapter 7 | * Read Chapter 8 * Lab 7 * Quiz 7 * Semester Project | * Read Ch. 7 * Lab 6 * Quiz 6 |
| 10  10/30/18 | * Chapter 7 (continued) |  |  |
| 11/1/18 | * Chapter 7 (continued) |  |  |
| 11  11/6/18 | * Chapter 8 | * Read Chapter 9 | * Lab 7 * Quiz 7 |
| 11/8/18 | * Chapter 8 (continued) |  | * Semester Project Pseudocode |
| 12  11/20/18 | * Chapter 9 |  | * Lab 8 * Quiz 8 |
| 11/22/18 | * NO CLASS - THANKSGIVING BREAK |  |  |
| 13  11/27/18 | * Project Time |  |  |
| 11/29/18 | * Project Time |  |  |
| 14  12/4/18 | * Project Presentations |  | * Semester Project |
| 12/6/18 | * Project Presentations * Review for Final |  |  |
| 12/11/18 | * Final Exam (2 hours in classroom) |  |  |

1. Assignments (1000 points):
   1. Labs & Classwork (440 points) Due at 11:59pm on due date.
      * [Lab 1 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 2 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 3 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 4 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 5 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 6 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 7 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
      * [Lab 8 (50 points)](http://localhost:10111/Carroll/cis132/sp12/Assignments.aspx)
   2. Classwork (40+ points) completed in class/extra credit.
   3. 8 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)
2. Grading Scale
   1. A = 900 to 1000 points
   2. B+ = 850 to 899 points
   3. B = 800 to 849 points
   4. C+ = 750 to 799 points
   5. C = 700 to 740 points
   6. D+ = 650 to 699 points
   7. D = 600 to 649 points
   8. F = < 600 points