CCBC
Spring 2025
School of Business, Technology and Law
Computer Science/Technology Information
Introduction to Programming, CSIT 210
Section W31, CRN 20945

Table of Contents

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A. Course Description and Pre-/Co-requisites

CSIT 210 – 4 Credits - Introduction to Programming provides an introduction to computer science through the development of problem-solving skills using accepted programming practices. An overview of algorithm design, data structures, and fundamental syntax of an object-oriented language is provided. Topics include data types, control structures, file I/O, classes, objects, methods, and arrays. Course offered every fall, spring and may be offered during additional sessions.

4 credits: 4 lecture hours

Prerequisite: CSIT 111 or consent of Program Director.

B. Basic Course Information

1. Instructor's name: Nazli Mehrazar
2. Instructor's office room number: E.ADMIN 300F

   Contact information: nmehrazar2@ccbcmd.edu
3. Instructor's office hours:

   With an appointment for Office Hours

   Office Hours:

   Wednesday 16:15-17:45

   Online Office Hours:

   Wednesday 10:00 – 14:00

   Join online office hours with Zoom Meeting (By an appointment)

   https://us02web.zoom.us/j/297614786?pwd=cFdJdWdzMjJ6cExWSU91YXVpc1dMQT09

4. Email Policy: All email correspondence with the instructor must be conducted using the student's official CCBC email account. The instructor will not read/respond to any email sent from non—CCBC accounts. Students also much specify their name, course and section in all messages. Please allow at least 72 hours for a response (this does not include weekends or holidays) and follow proper email etiquette.
5. Department phone number: **443-840-2215**
6. Class meeting day(s), time(s), and location(s)(classroom and campus):**Wednesday 17:45 – 20:00 (lecture hours) 20:00 – 21:30 (lab), MS Teams**
7. This is a four-credit class. You are expected to complete at least twelve hours of work per week of reading, course preparation, homework, studying, etc. Expect no less than 12 hours a week in order to earn a C and successfully complete the course.
8. Depending on the course modality, exams must be taken in a proctored setting either in-class, at a CCBC testing center or through Respondus Monitor unless otherwise stated by the instructor. Online students are expected to have a webcam for this course.
9. You are responsible for making sure your home computer meets the technical (hardware and software) requirements for this course and have access to the textbook, file storage and Java IDE software.

10. Textbook: Java Foundations - Introduction to Program Design and Data Structures 5th Edition by Lewis, DePasquale, and Chase

    You do not need to purchase a textbook!

    All course materials are available to you in Brightspace. See the Textbook link under the Content tab in Brightspace.

    To enhance your learning experience and provide affordable access to the right course material, this course is part of an inclusive access model called First Day™. You can easily access the required materials for this course at a discounted price, and benefit from single sign-on access with no codes required in Brightspace.

    CCBC will bill you at the discounted price as a course charge in your tuition. It is NOT recommended that you Opt-Out, as these materials are required to complete the course. You can choose to Opt-Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended.

    Customer Care Contact Information:

    Customer Care is available 24/7 to help students with questions about accessing their course material, using their eTextbook, or opting out/in to the First Day program.

    Support can be found:

    · FAQs and Tutorial Videos for the First Day Program

    · Open a ticket Online for the Customer Care team

    · Email the Customer Care team: bookstorecustomercare@bncollege.com

    · Call the Customer Care team: 1-844-9-EBOOKS (1-844-932-6657)

    Questions? Please contact your campus bookstore:

    Catonsville:443-840-4320 - sm8237@bncollege.com
    Dundalk: 443-840-3135 - sm8239@bncollege.com
    Essex:443-840-1561 - sm8238@bncollege.com
    Email: bookstorecustomercare@bncollege.com

C. Course Goals Overall

1. Overall Course Objectives

   Upon completion of this course, students will be able to:

1. use an object-oriented programming language for problem solving;
2. design algorithms that will be translated into working solutions;
3. demonstrate the importance of testing, debugging, and validating the solution;
4. identify data types and variable naming conventions;
5. develop programs that perform correct calculations to solve problems;
6. demonstrate how to input and output data from the keyboard and files;
7. identify techniques for formatting data;
8. construct programs using control structures;
9. develop algorithms using primitive data types, operators, and expression;
10. construct programs that use arrays;
11. design classes including properties, methods, and constructors;
12. solve various programming problems using objects; and
13. develop basic GUI (Graphical User Interfaces) using various programming components.

2. Major Topics

I. Role of different programming languages
   a. Procedural
   b. Event-driven
   c. Object-oriented

II. Introduction to a Structured Language
   a. Logic diagrams
   b. Use of Integrated Development Environment

III. Program Development Cycle
   a. Design the solution
   b. Code
   c. Test
   d. Document

IV. Data Types

V. Boolean and Arithmetic Expressions

VI. Input and output
   a. Accepting data from the keyboard
   b. Formatting output

VII. Selection
   a. Simple If
   b. Nested If

c. Switch

VIII. Repetition

a. while loop
b. do loop
c. for loop

IX. Methods and Classes

X. Data files

a. Data vocabulary
b. Sequential files
c. text files

XI. Arrays

XII. Debugging Techniques

a. Use of loop invariants
b. Use of method preconditions and postconditions
c. Program tracing, testing, documentation, and verification
d. Exceptions

XIII. Graphical User Interfaces

a. Components used in developing a GUI window
b. Complex GUI using layouts
c. ActionListeners

D. Academic Integrity

1. Academic integrity is a core institutional value at CCBC. Students, faculty, administrators, and staff have the right to a learning environment where academic integrity is valued, respected, and upheld. For CCBC's complete policy regarding student academic integrity, go to the CCBC's College Catalog: Student Code of Conduct: Standards of Classroom Behavior/Academic Integrity. Violation of this policy will result in sanctions according to the Student Code of Conduct.

2. The commercial use of academic material is prohibited under the College's Academic Integrity Policy. This includes, but is not limited to, selling of course material to another person, entity, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the college and/or the instructor. Course materials include but are not limited to class notes,

instructional slides, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, videos, etc.

3. See Course Procedures for any additional course policies regarding academic integrity or prohibited submissions.

E. Netiquette Statement

CCBC Netiquette Statement

The rules of etiquette that apply when communicating online are different from those that apply when communicating in person. Netiquette rules have emerged to facilitate online interactions in the absence of visual and auditory cues (Marx, 2004). CCBC's Netiquette Statement is grounded on the principles of mutual respect, professionalism, ethics, courtesy, and kindness.

CCBC's Netiquette Statement applies to all individuals who work or learn at CCBC. CCBC's Netiquette Statement also applies to all virtual communication methods, including but not limited to synchronous lectures, discussion board posts, written assessments, recorded presentations, artistic representations, social media, and emails.

F. Evaluation

1. The final course grade will be based on a weighted point system used throughout the semester. The course may be comprised of labs, projects, exams, quizzes, discussion posts, oral reports, papers, and other assignments.
2. Instructor's grading policy:
    a. **Instructor's grading policy**

Grades are not rounded or approximated. Final Grades will be awarded as follows:
Final Grades will be awarded as follows:

A = 900 points or more
B = 800-899 points
C = 700-799 points
D = 600-699 points
F = Less than 600 points

Summary of Assignment Weights:

Description	Weight
Labs/ Projects, Quizzes & Assignments	45%
Attendance and Participation	5%
Exams (3)	50%

- It is the student's responsibly to notify the instructor of discrepancies in grades **within two weeks** of submitting an assignment otherwise grades will not be changed, even with documentation.

- Late submissions are not allowed in this course. Any submissions after the due date will be assigned a grade of zero.

- If a due date for an assignment falls on a holiday, a date where the college is closed, or other inconvenient time, students are still responsible for submitting the assignment by the due date. In this case, submit the assignment before the due date if the date is problematic.

- To earn points for 'Attendance and Participation,' students must be present during roll call and actively participate in class discussions and respond to questions asked during the session.

- Submitting code for assignments that do not compile will result in a grade of zero points. This also includes projects or files submitted in the wrong file format.

- Submitting code that contains statements or topics not yet covered in the course will result in a grade of zero

- You are expected to do your own work. Cheating/Plagiarism will be considered grounds for failure for the assignment and/or failure from the course. Do not submit code found from other sources, tutors services, or pay sites as your own work. Do not submit code from autogenerated sources such as any AI platforms.

- Re-submitted work after it has already been graded will not be accepted.

- Projects/Assignments in Brightspace will be graded after the due date and cannot be resubmitted.

- All assignments are due by 11:59pm on the assigned day if not specified.

- Programs are graded for both accuracy and style as well as their alignment to the assignment directions.

- To be successful in your online course, you should log into Brightspace regularly and establish a study schedule. Plan to spend at least the same amount of time that you would spend on a face-to-face class, if not more. Give yourself time to practice using Brightspace in order to get the most out of your online learning experience.

- Do not send numerous questions to your instructor by email/phone requesting details about assignment solutions or specifications. Assignments will require you to experiment and try various approaches as part of the learning process. The instructor reserves the right to deduct points for not following this guideline as it would constitute not completing your own assignment.

- All assignments should be submitted through a Brightspace “submission” folder by due dates. I will NOT accept them after a due date. Absence is not an acceptable excuse for failing to turn in assignments. Anticipate any technical complications (e.g., computer crash, Internet connection problems and damaged files) and allocate extra time to finish your assignment for a specified deadline.

- The instructor has the right to ask a student to explain the purpose of the assignment to demonstrate how the student completed a segment of the assignment to determine if the student met the educational objectives of the labs or exercises.

- If the student fails to answer the questions or perform the operations unsatisfactorily, no credit will be given for that exercise.

3. <u>Instructor's attendance policy</u>

a. Lack of participation in the course may negatively affect your grade. For face-to-face, blended or remote sections, regular attendance is expected.

For online courses attendance means regularly participating and signing into Brightspace at least once per week.

b. The instructor reserves the right to apply a point penalty to students not attending or participating in class.

c. Exams - you must be in class; no make-up exams are allowed unless appropriate documentation is provided at least three business days prior to the exam. (*An excused absence is an emergency such as a death in the family, religious holidays, or participation in official college functions). For Online courses, students are expected to have access to the internet and access to a computer with an internet connection and webcam as exams will be proctored through Respondus Lockdown browser and monitor.

4. Instructor's audit policy

Credit is not awarded for an audited class. To audit a class a student should:

A. Understand the audited class requirements which may include:
   - Participation in course activities and completion of assignments.
   - Not meeting audited class requirements will result in a grade change from AU to a W.
   - Final exams are not required or administered to students who audit a class.

B. Pay the tuition and fees.

C. A student may elect to change his or her registration from credit to audit by the date on the Academic Calendar. After the deadline, a student is permitted to change from credit to audit only under extenuating circumstances with written approval of the academic dean or dean's designee.

D. If a student is receiving financial aid or veteran's benefits, or if the student is an athlete or international student, approval must be obtained from the appropriate office to change or audit a course before submitting the Change of Information form to the Enrollment Services Center or Registrar's office.

E. There may be some courses with a limit to the number of times it may be taken for audit.

G. Course Procedures

1. For college-wide syllabus policies, such as the Code of Conduct for Academic Integrity, Grades, and Grading (including FX and progress grades), and the Audit/Withdrawal policies, please go to the Syllabus Policies tab on the myCCBC student portal.

2. To access information about student services, such as Academic Advising, College and Community Outreach/Success Navigators, and Disability Support Services, students may refer to the Student Support Services link on the CCBC catalog home page. Once on the page, select the appropriate catalog academic year at the top if necessary.

3. Course calendar/schedule: See Brightspace for course schedule.

4. Students are responsible for all announcements, material covered, and assignments due (even when absent from class).

5. Students are expected to read the chapter assignments and to be prepared for class.

6. Students are expected to put away all electronic devices during class to prevent distraction. Students who are uncooperative will be asked to leave the classroom.

7. Students causing disruption to the learning process will be asked to leave the current class session on the first offense and removed from the course on the second offense. This includes using email, text, or message boards to cause class disruption, upset, disharmony or sending inappropriate comments.

8. All students are expected to respect others in the classroom at all times.

9. Open, courteous discussion is encouraged in class and online. Students are expected to conduct themselves in a manner which is respectful of others.

10. All exercises must be completed as assigned and submitted according to the due date and grading policy. Credit will not be given for late submissions.

11. Brightspace is our means for assignment/ project submittal. Do not submit assignments or projects elsewhere.

12. If you attempt to complete the work in a single sitting or wait until right before the due date, you will not be able to complete several of the assignments. Be sure to start all assignments as soon as possible for successful completion of assignments.

13. Students may not share work or disseminate to others in any format. This includes using online note sharing websites. Doing so may result in a zero for the assignment or the course.

14. Receiving outside assistance on assignments may result in a 0 for an assignment or failure for the course (even for a first offense). This includes using content from AI code generators.

15. The instructor reserves the right to question assignment submissions and assignment details in order to validate the authenticity of assignments.
16. This syllabus may be changed with notification to the class.
17. Students are responsible for keeping copies of their own files and assignments as well as directions for assignments. The instructor reserves the right to close assignments and directions after the due date, so be sure to keep copies of notes and files.

This syllabus may be changed with notification to the class.

* If there are concerns about the course, students should first attempt to discuss with the faculty member for the course. If students are unable to resolve course-related concerns with the instructor, they should contact Wendy Chin, CSIT Department Chair at 443.840.4879 or wchin@ccbcmd.edu.

List of Full URLs used in this document

- CCBC Catalog - http://catalog.ccbcmd.edu/index.php
- CCBC's Netiquette Statement - https://catalog.ccbcmd.edu/content.php?catoid=45&navoid=13700#netiquette
- myCCBC page - https://myccbc.ccbcmd.edu
- College Catalog: Student Code of Conduct: Standards of Classroom Behavior/Academic Integrity - https://catalog.ccbcmd.edu/content.php?catoid=45&navoid=13713#behavior