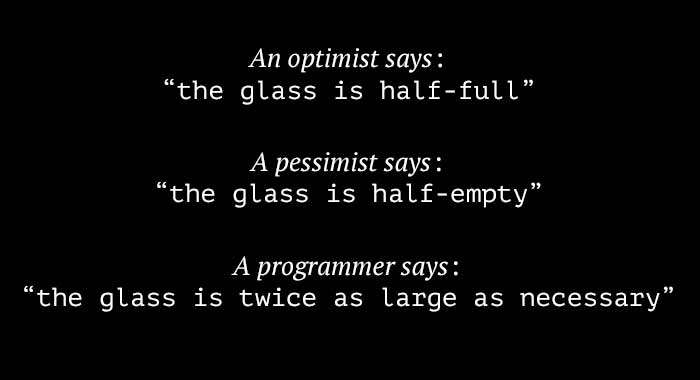
##### CISC 115 – COMPUTER SCIENCE I – 02 and 03 Spring 2019

| **TEXTBOOK AND OTHER ITEMS OF NOTE** |
| --- |
| **Title:** C++ Programming: Program Design Including Data Structures, 8th Edition  **Author**: D. S. Malik  **ISBN-13**:  978-1-337-11756-2  **Course Key:**MTPN-6LQN-Z3F9  **Course Link:** <https://www.cengage.com/dashboard/#/course-confirmation/MTPN6LQNZ3F9/initial-course-confirmation>  If you are having financial difficulty with purchasing school books, reach out to Maryann Hatymanic in Student Affairs.  Her number is 610-861-5350.  Dreamspark is a service in which students can download many types of free software. Use your Northampton.edu email to register. The link is below.  <https://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?cmi_cs=1&cmi_mnuMain=bdba23cf-e05e-e011-971f-0030487d8897&ws=f5cc73ba-b3da-e311-93fd-b8ca3a5db7a3&vsro=8>  We will use .Net to write our code. You can also use online compilers if you desire. We will write our programs in C++. |

| **MY INFORMATION** | | |  | |
| --- | --- | --- | --- | --- |
| Instructor’s Name:  Class Times: | Ann Richards  Section 2: Monday and Wednesday 10:00 – 11:50  Section 3: Tuesday and Thursday 12:30 to 2:10 | |
| Office Hours: | Monday 12:00 – 1:30  Wednesday 12:00 to 1:00  Thursday 11:00 – 12:30 | |
| Office Location: | CC-310 | |
| E-mail Address: | arichards@northampton.edu | |



**COURSE OBJECTIVES**

1. To acquaint the student with the fundamentals of computer science

2. To instill an appreciation of computing and computing techniques

3. To direct the student toward a logical solution of problems through the development of proper algorithms

4. To reinforce the above concepts through the writing of computer programs using a highly structured programming language

5. To examine selected application areas that involve computer programming

**ATTENDANCE**

* Students are expected to be at each class.
* Routine medical, legal or academic appointments as well as job-related or social commitments are not legitimate excuses.
* Two weeks of absences (excused or unexcused) will result in your withdrawal from the class by the instructor.
* **ONLY** doctor's certificates will serve to expunge the absence from your absentee tally.
* Absences due to family or other emergencies will be included in the absentee tally.

**GRADING WEIGHTS**

| **Grading Category** | **Category Weight** |
| --- | --- |
| Programming Assignments | 20% |
| Quizzes | 15% |
| In Class Assignments | 15% |
| Tests (2) | 30% |
| Final Exam | 20% |

**COURSE GRADING SCALE**

| **Letter Grade** | **Percentage Range** |
| --- | --- |
| A | Over 92% |
| A- | 90% - 92% |
| B+ | 87% - 89% |
| B | 83% - 86% |
| B- | 80% - 82% |
| C+ | 77% - 79% |
| C | 73% - 76% |
| C- | 70% - 72% |
| D | 60% - 69% |
| F | Under 60% |

**QUIZZES (15%)**

* are available for each chapter in the textbook
* can be taken multiple times at your convenience
* can be reviewed any time after the first attempt
* grades recorded are the highest grade attained regardless of the number of attempts
* expire on the following dates:

|  |  |
| --- | --- |
| **Chapter Quiz** | **Expiration Date** |
| 1 | 2/22 |
| 2 | 2/22 |
| 3 | 2/22 |
| 4 | 2/22 |
| 5 | 4/9 |
| 6 | 4/9 |
| 7 | 4/9 |
| 8 | 5/11 |
| 9 | 5/11 |
| 10 | 5/11 |

**IN CLASS ASSIGNMENTS (15%)**

* consist of independent or instructor-led exercises that are completed and submitted to Blackboard for grading
* are available only during the class meeting
* contribute to your participation in the course
* there is **NO** makeup for those assignments that are missed due to absences

**TESTS and FINAL EXAM (50%)**

* test dates are subject to change by the instructor.
* students who miss a test **MUST** contact the instructor by phone or in person **BEFORE** the next class period following the actual test date
* failure to contact the instructor about a missed test will result in

1. the revocation of the privilege of taking a makeup test and,
2. a zero for the test

* format for makeup tests will not necessarily be the same as the scheduled test
* makeup tests will NOT be given for any reason **except**

1. documented illness (i.e. doctor's certificate)
2. family bereavement

* **No more than one (1) makeup test may be taken during the semester.**

**PROGRAMMING ASSIGNMENTS (20%)**

* are completed independently
* are submitted to Blackboard for grading
* consist of programming exercises using a PC and Microsoft Visual C++

**PROGRAMMING ASSIGNMENT GRADING**

| **Description** | **Percentage** |
| --- | --- |
| Documentation | 10 % |
| Formatting | 10 % |
| Technique | 40 % |
| Output | 40 % |

**Late Penalties**

* 5% of the grade is deducted for each day the assignment is overdue.

assignments more than 10 days late are not accepted. **CLASS SCHEDULE**

|  |  |  |
| --- | --- | --- |
| **Dates** | **Chapter** | **SUBJECT** |
| 1/14 to  1/20 | 1 | BlackBoard and Course Overview. An Overview of Computers and Programming Languages |
| 2 | Basic Elements of C++ |
| 1/21 |  | No Class! Martin Luther King Day! |
| 1/22 to 1/27 |  |  |
| 3 | Input/Output |
| 1/28 to  2/3 |  |  |
| 4 | Control Structures I (Selection) |
| 2/4 to  2/10 |  |  |
|  |  |
| 2/11 to  2/17 | 5 | Control Structures II (Repetition) |
|  |  |
| 2/18 and 2/19 |  |  |
| **2/20 and 2/21** |  | **Test 1 (Chapters 1, 2, 3, 4)** |
| 2/25 to  3/3 | 6 | User-Defined Functions |
|  |  |
| 3/4 to 3/10 |  |  |
| 3/11 to 3/17 |  | Spring Break Awesomeness! |
|  |  |
| 3/18 to  3/24 | 7 | Namespaces, the class string, and User-Defined Simple Data Types |
|  |  |
| 3/25 to 3/31 | 8 | Arrays |
|  |  |
| 4/1 to 4/7 |  |  |
| **4/8 and 4/9** |  | **Test 2 (Chapters 5, 6, 7)** |
| 4/10 &  4/11 |  |  |
| 9 | Records (structs) |
| 4/15 to  4/21 |  |  |
| 10 | Classes and Data Abstraction |
| 4/22 to 4/28 |  |  |
| 4/29 to 5/5 |  | Review and Wrap-up |
| 5/6 |  | Review and Wrap-up |
| **TBA** |  | **Final Exam (Chapters 1 through 10)** |

**POLICY ON ACADEMIC HONESTY**

Northampton Community College considers honesty and integrity to be essential to the learning experience.  Academic dishonesty harms the learning experience and does not represent the values that we expect members of the NCC community will apply in their work on this campus and take into their lives beyond NCC.  We expect all members of the NCC academic community to conduct themselves and their work ethically and honestly. See [Student Handbook](http://northamptoncc.uberflip.com/i/73607) for details.

**CHEATING AND PLAGIARISM**

Do not copy programs from your text book or another source. This is considered plagiarism, which is not tolerated at NCC. See your [Student Handbook](http://northamptoncc.uberflip.com/i/73607) for information on the consequences of plagiarism. In addition, you are expected to work on assignments alone.

**ACCOMODATIONS**

Located in the College Center, Suite 240-250 and also at NCC's Monroe Campus in Tannersville, PA. Disability Services offers a variety of support and guidance to both prospective and enrolled students with disabilities.

We encourage all academically qualified students with disabilities to take advantage of our educational programs and activities. Services and accommodations are offered to facilitate accessibility to both college programs and facilities in accordance with applicable laws, including the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973.

For additional information, visit the [NCC Disability Services](http://www.northampton.edu/Student-Resources/Disability-Services.htm) website:

**LEARNING CENTER**

The Learning Center provides free tutoring and other support services for students taking credit classes, both on campus and online. The Centers are open all day and many evenings during the semester. Tutors are available to provide assistance with dozens of classes. Computers are available for student use.

For additional information, visit the [NCC Learning Center](http://www.northampton.edu/Student-Resources/Learning-Center.htm) website.

**BEING YOUR TRUE SELF**

Northampton Community College is committed to creating and fostering a learning and working environment based on open communication and mutual respect. This is an integral part of the College’s academic mission to enrich our students' educational experiences and prepare them to live in and contribute to a global society.

If you encounter sexual harassment, sexual misconduct, sexual assault, or discrimination based on race, color, religion, age, national origin, ancestry, sex, sexual orientation, gender identity, or disability please contact the **Equal Opportunity Office** at 610-861-5496 or [hwhitaker@northampton.edu](mailto:hwhitaker@northampton.edu) .

If you see it, report it

[northampton.edu/reportit](https://webmail.northampton.edu/gw/webacc/be9d73deddeb0ee473b2a64a84f3092f7dbce5/GWAP/HREF/northampton.edu/reportit)

**Policy Regarding Children**

The extended (defined as 30 minutes or more) presence of unattended children (including children of staff and students) under the age of 16 on campus, unless officially registered in a College program is strictly prohibited.

Children are not permitted in class. The classroom instructor has the authority to make an exception to this policy for an emergency circumstance, using the following criteria: if at all possible, students must contact the instructor prior to the class to seek permission; students may not request this special exception more than twice in one semester; and children may not be disruptive (i.e. – noisy, moving around, interfering with the teaching-learning process) or they will be asked to leave immediately with their parent/guardian.



