

Syllabus
CSCI 151 – Overview of Computer Science
Spring 2019 3 credit hours Section 001
Winthrop University College of Business Administration
Class Time: 12:30-1:20 PM Monday & Wednesday
Section 001, Lab Time: 2:00 – 2:50 AM

Dr. Chlotia Posey Garrison
Office: Thurmond 316
Office Hours: Monday 8:15 – 9:00am, 10:50 – 11:30am and 1:25- 1:55pm; 2:50 – 3:00pm
Wednesday 8:15 – 9:25am, 10:50 – 11:30am and 1:25- 1:55pm; 2:50 – 3:00pm
Tuesday 8:15 – 11:40
Other times by appointment

Phone: (803) 323-2470
E-mail: garrisonc@winthrop.edu

Class Website: <http://faculty.winthrop.edu/garrisonc/CSCI151/S19.html>
Blackboard: <http://blackboard.winthrop.edu>

Include your name, class and lab time on all correspondence, e-mail and homework.
Example subject: CSCI151_Lab-time Specific Topic - Student Name(s)
Example2: CSCI151_2:00_Lab2__ NameFirst NameLast

Text: Programming in Java. Get your book at zyBooks.com. Sign up information is on the class website.

Optional Resource, an interactive text for additional guidance and practice:
<https://books.trinket.io/thinkjava/index.html>

Prerequisite. None. Note that no prior programming experience is assumed.

Course Catalog Description: This course is oriented toward mathematics and science majors. A wide range of topics in Computer Science will be studied.

Goal: provide a practical introduction to computers, software, programming and modern computer applications.
Secondary goal: prepare interested students for CSCI 207 and/or DIFD 141.

Student learning outcomes:

- Use computers competently;
- Be a competent Java programmer (beginner level);
- Write a Java method to solve a problem involving repetition and branching;
- Computer fluency (i.e. understand such topics as compilers, networking, number systems, character codes);
- Understand legal, ethical and security issues related to computing;
- Design and implement a software system using classes and objects;

Course Content: The course includes an introduction to using computer systems, computer concepts, ethics, and security. The content in this course will assist students in other classes that require computer knowledge, in using computers on the job and personally.

Attendance and Testing Policy: Attendance will be required to get the best grade. Students are responsible for the information provided in every class; not all material will come from the textbooks. There will be a graded assignment associated with nearly every lab and missed classes will most probably negatively impact grades on assignments and exams.

- If you must miss an exam, notify the instructor as soon as possible, **prior** to the exam. No make-up exams are possible; however, the instructor may provide other options with sufficient notice **before** the exam. Anyone found cheating will receive a score of 0 without possibility for replacement.
- If you miss a lab, complete the lab assignment by the due date and time to receive partial credit (-10%).
- Participation Activities are due by 11am on the date due. Projects, Lab and Challenge exercises are due by 11:59pm on the date due.
- Any assignment submitted after the due date and time will receive no credit.

Grading Policy: A (90-100%), B (80-88.4%), B+ (88.5-89.9%) C (70-78.4%) C+ (78.5-79.9%), D- (59 - 59.9%) D (60-68.4) D+ (68.5-69.9%), F (below 59%)

Scoring points: Assignments – 50% (Participation-15%, Lab/Challenge-15%, Project-20%); Test 1- 10%; Test 2 – 15%; Cumulative Final Exam – 25%. The final exam grade *may* replace a missed exam with prior approval of the instructor.

Important Dates: Final Exam: 11:30 a.m. Tuesday, April 30

Verify with exam schedule

Last day to Add/Drop, Jan 11

Martin Luther King Jr. Holiday Jan 21

Interim Grading Deadline 5:00 p.m., Feb 21

Course Withdrawal deadline, **March 6**

Spring Break, March 11-15

E-mail Account: You will need an official Winthrop e-mail account. **ALL e-mailed assignments must be submitted from your Winthrop account.** Instructions will identify which assignments should be e-mailed. Your e-mail address must be included in the class distribution list. A test message will be sent. If you are not on the class list server, directions for subscribing are located on the Winthrop ACC website under Student Services.

Assignments and Projects: zyBook *Participation* assignments are due prior to the start of class. zyBook *Challenge* exercises are included in the graded portion of the Lab assignment. They are due prior to the next class period on the date specified. This gives more time between the introduction of new material and the application. Projects combine concepts from multiple classes and are an opportunity for more independent work. They will help to synthesize the material and increase your learning.

Because the course builds on past material you should complete all assignments even if you do not receive a grade for the material. You can get assistance with past work - my goal is that you learn the material.

Class Operation:

- Teamwork: You will often have a partner for in-class work. You will change partners throughout the semester. **If you have an assigned partner you should share your work with that teammate but you are not to share your work with anyone else.**
- Assignments and Projects: You will be able to complete much of the Lab assignments during lab time. If you are unable to complete a lab during the scheduled time, you are expected to complete the lab **by the due date and time. No credit will be given for any assignment/project after the due date.** Much Project work will be done outside of class.
 - *Because the unexpected does happen, you have one free late day that can be used for one project. You must state in the submission that you are using your one late day.*

Decorum:

Arrive on time. Stay for duration of class. Participate in class discussions. Remove all mobile devices, containers and papers from table tops during tests. Cell phones and other devices that detract from the class are prohibited during class (including exams). Phones **MUST** be turned off or placed on vibrate **AND STORED** out of your sight in purse, book bag, waist clip etc. Follow CBA expectations regarding professionalism. Contact me for exceptions.

Student Conduct Code: As noted in the Student Conduct Code: “Responsibility for good conduct rests with

students as adult individuals.” The policy on student academic misconduct is outlined in the Student Conduct Code Student Academic Misconduct policy in the Student Handbook online (<http://www.winthrop.edu/uploadedFiles/studentconduct/StudentHandbook.pdf>). More explicit policies relative to a specific discipline/college also may be posted in a syllabus.

Some work in this class will be conducted with a partner. Collaborating with any student that is not your **current partner on the corresponding assignment** will result in a conduct code violation. No collaboration is allowed on individual work efforts. Help on course material should be directed to the instructor or the designated tutors.

Topics and tentative schedule:

We will cover portions of Chapters 1-8 and other material as time permits. Topics include software engineering, introduction to programming, language translation and hardware. General computer science topics are sprinkled throughout the schedule.

Weeks 1-3	Critical thinking, Basic programming, Computer basics
Weeks 4-6	Branches, Algorithms, Exam 1
Weeks 7-11	Loops, Arrays, Debugging, Exam 2
Weeks 11-14	Arrays, Problem-solving, Computer basics, security, ethics

Email Etiquette: When sending your instructor an email, make sure the content is complete, professional, and respectful. Writing thoughtful emails is an important skill to learn in preparation for your future career. See specific guidelines at http://faculty.winthrop.edu/garrisonc/Email_Etiquette.pdf

COLLEGE OF BUSINESS EXPECTATIONS REGARDING PROFESSIONALISM IN THE CLASSROOM

The College of Business Administration is a professional organization with a well-defined and widely disseminated mission of student development. Accordingly, each class represents a gathering of professionals and professionals-in-training. The instructor’s job as a professional is to deliver quality instruction in each class, to start and end each class on time, to be responsive to student perspectives, issues and questions, and to treat each student respectfully. The student’s job, as a professional-in-training is to be prepared for class, to be on time, to attend all classes, and to be respectful of others in the classroom.

In accordance with and pursuant to these roles the following guidelines were established to specify to students (both present and prospective) faculty expectations regarding their behaviors

1. **Students will attend all class meetings.** There are no automatically “excused” absences. In the event that you will be unable to attend a class session, you should inform your professor in advance as a matter of professional courtesy just as you would/should with an employer.
2. **Students will arrive in advance of the beginning of the class session.** Late arrivals are disruptive, inconsiderate and unprofessional. Professors may make arrangements for delinquents, but are not obliged to do so. Those not present at the beginning of the classroom period will be considered absent. **(Early departures and late arrivals without approval will result in a 10 point deduction from lab points.)**
3. **Students will not converse among themselves during class except when instructed to do so.** When a student creates a disturbance in the classroom, instructors will either ask the student to desist immediately or speak to the student at the conclusion of class. Repeat offenders will be sanctioned.
4. **Students will not leave class before its conclusion.** Early departures are disruptive, inconsiderate and unprofessional. Professors may make arrangements under some circumstance, but are not obliged to do so. Those not present at the conclusion of the classroom session will be considered absent. **(Early departures and late arrivals without approval will result in a 10 point deduction from lab points.)**
5. **Students will have procured textbook/materials prior to the first class.** Instruction will begin with the first class meeting and consume the remainder of the class period.

Services Available to Students

Students with Disabilities/Need of Accommodations for Access

Winthrop University is committed to providing access to education. If you have a condition which may adversely impact your ability to access academics and/or campus life, and you require specific accommodations to complete this course, contact the Office of Accessibility (OA) at 803-323-3290, or, accessibility@winthrop.edu, as early as possible to discuss your concerns.

Winthrop's Academic Success Center is a free resource for all undergraduate students seeking to perform their best academically. The ASC offers a variety of personalized and structured resources that help students achieve academic excellence, such as tutoring, academic skill development (test taking strategies, time management counseling, and study techniques), and group/individual study spaces. The ASC is located on the first floor of Dinkins, Suite 106. If you wish to request a tutor, you must attend ONE Tuttee Seminar, offered during the first half of the semester. Please contact the ASC at 803-323-3929 or success@winthrop.edu if you have any questions. For more information on ASC services, please visit www.winthrop.edu/success.

Winthrop University's Office of Nationally Competitive Awards (ONCA) identifies and assists highly motivated and talented students to apply for nationally and internationally competitive awards, scholarships, fellowships, and unique opportunities both at home and abroad. ONCA gathers and disseminates award information and deadlines across the campus community, and serves as a resource for students, faculty, and staff throughout the nationally competitive award nomination and application process. ONCA is located in Dinkins 222. Please fill out an online information form on the ONCA webpage www.winthrop.edu/onca and email onca@winthrop.edu for more information.

The Office of Victims Assistance (OVA) provides services to survivors of sexual assault, intimate partner violence, and stalking as well as educational programming to prevent these crimes from occurring. The staff assists all survivors, regardless of when they were victimized in obtaining counseling, medical care, housing options, legal prosecution, and more. In addition, the OVA helps students access support services for academic problems resulting from victimization. The OVA is located in 204 Crawford and can be reached at (803) 323-2206. In the case of an after-hours emergency, please call Campus Police at (803)323-3333, or the local rape crisis center, Safe Passage, at their 24-hour hot-line, (803)329-2800. For more information please visit: <http://www.winthrop.edu/victimassistance>

General Education requirement: This course is certified as a "Technology" course for the Winthrop General Education program. All such courses, including this course, have the following objectives:

- **Information Platforms:** understand how computers work, how hardware components are linked together, and the relationship between hardware and software; know how to use instructions in a technical manual; know how to perform basic computer operations.
- **Communication:** understand the function of a network; know how, when, and why to use e-mail and the Internet
- **Presenting verbal and visual information:** use technology to produce documents; use technology to create and deliver presentations.
- **Data manipulation:** work with programs to enter, manipulate, and query data (for example, using spreadsheets, databases, or similar programs).
- **Researching:** Apply research techniques using library resources and the Internet; evaluate information obtained by computer (reliability, validity, ephemerality, timeliness, bias, etc.); recognize plagiarism and understanding 'appropriate use' issues); know how to use Dacus library computer resources.
- **The Foundations of Technology:** know major events, standards, and terminology that have affected the integration of computers into our world and culture; understand (at least in broad terms) how computing has changed and that it will change in the future.
- **The Impact of Technology on our Lives, Society, and Culture:** understand how computers will affect the ways individuals interact with their world, understand ethics issues involving computing; understand issues concerning the interpenetration of computers into all phases of our lives; understand the roles of citizens in an electronic democracy.

The course contributes to the following University Level Competencies:

- ULC 1 - Winthrop graduates think critically and solve problems.

- ULC 3 - Winthrop graduates understand the interconnected nature of the world and the time in which they live.

Welcome to CSCI 151, I look forward to a good semester of learning together. Let's work together so that your knowledge of computers grows throughout the semester and continues all through your life.

Syllabus change policy: This syllabus is subject to revision. We reserve the right to change and/or modify the syllabus, schedule, and course requirements as may be required to meet the needs of the students or to accommodate unforeseen circumstances.

Keys to Success (from Jeff Beals): Responsibility, Authority, Accountability.

<https://www.linkedin.com/today/post/article/20140815154134-10765298-is-someone-you-love-going-to-college-their-success-depends-on-three-words>

Note Taking: Paper vs Digital

https://www.nytimes.com/2017/11/22/business/laptops-not-during-lecture-or-meeting.html?_r=0

<https://www.theverge.com/2017/11/27/16703904/laptop-learning-lecture>