

Syllabus Fall 2017

Computer Science 101: Introduction to Computers and Information Processing

Course Details

Course: CSCI 101 sections 006 and 007
Location: Thurmond 210 and 312
Credits: 1.5
Website: faculty.winthrop.edu/dannellys/csci101
Blackboard: <http://online.winthrop.edu>

Instructor Details

Instructor: Dr. Steve Dannelly
Office: Thurmond 315
Email: dannellys@winthrop.edu
Phone: 803 - 323 - 4811
Office Hours: Tuesdays and Wednesdays 1:30 to 4:30
Thursdays 1:00-3:00
Or email to schedule an appointment

Course Description

This course provides an introduction to general computer and information technology concepts, presents topical issues related to the digital society, and introduces students to computational thinking through introductory computer programming.

Prerequisites

None

Texts

Technology in Action, 11th, by Evans, Martin, & Poatsy;
Pearson/Prentice Hall Inc.

Additional Resources

- This course will use Blackboard
- This course will use Scratch a free online service for programming.

Grading Policy

Quizzes:	20%
Assignments:	25%
Midterm:	25%
Final Exam:	30%

Final grades are reported based on the following scale:

Final Grade Range	Reported Grade
90.0-100%	A
80.0-89.9	B
70.0-79.9	C
60.0-69.9	D
<60.0	F

Late Work

Quizzes

Quizzes are completed using Blackboard and are due at 11:59PM on the date assigned. **No late quizzes will be accepted.**

Homework

Homework assignments require students to create programs and web pages. All students will be given four free late days for homework assignments. This does not mean four late days per assignment, it means four free late days to be distributed amongst your assignments. **If you have exhausted your four late days, any homework assignments submitted late will be considered a 0%.**

Extra Credit

Any remaining late days will be multiplied by .5 and used as extra credit on your overall course average. For example, if you use 1 late day you would have 3 remaining late days. $3 * .5 = 1.5$ points added to your course average.

Exams

Exams must be completed during the scheduled exam period. There are no late exceptions.

Exceptions to Late Work Policy

Exceptions to this late work policy are only available to students having a documented extenuating circumstance as outlined in the [Winthrop Student Handbook](#), see page 15. Such circumstances include the following: death of an immediate family member; traumatic and unforeseen circumstances which are considered beyond a student's control; prolonged emotional instability, physical injury or illness which has resulted in the student's inability to complete academic responsibilities; or a change in nonacademic employment beyond the student's control. All exceptions must be properly documented.

Attendance Policy

Per the Winthrop University attendance policy missing 25% or more of the class will result in an automatic grade of an F. Exam material will be based on class lectures and discussions. Not all lecture material will come from the textbook. Hence, it will be extremely difficult to successfully complete the course without coming to class.

Student Code of Conduct

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 Academic Misconduct Policy" in the online Student Handbook (<http://www.winthrop.edu/uploadedFiles/studentconduct/StudentHandbook.pdf>). More explicit policies relative to a specific discipline/college also may be posted in a syllabus.

All work in this class is to be completed on an individual basis. Failure to abide by that rule will result a conduct code violation.

Course Credit

Be sure that you are signed up for enough CSCI 101 credits. Most students need 3 hours of CSCI 101 credit for their graduation requirements. The lecture portion of CSCI 101 is worth 1.5 credit hours. The remaining 1.5 credits are earned through completion of three separate 0.5 credit lab courses. These lab courses are offered online and last five weeks each, allowing a student to take their three 101 labs back-to-back-to-back in one semester.

Student Learning Outcomes

After completing this course, the student will be familiar with:

1. History and Future of Computing
 - recognize the impact of technology;
 - understand generations of computers;
 - understand why each generation was an important change for computing;
 - know important milestones and figures in computer history
2. Hardware and Software
 - understand the basic components of a computer in order to make the student a better buyer of technology and a user who accurately understands the limitations and capabilities of computers. Specifically, students will know the use and limitations of the following components:
 - main memory and cache memory
 - various types of internal/external mass storage devices

- central bus, motherboard, CPU, and IO processors
 - understand how data is stored (format and location) and processed inside a computer;
 - understand the role and nature of computer software;
 - understand the process by which software is created;
 - understand the function of operating systems and the differences between common operating systems such as Microsoft Windows and Linux;
3. Computer Networks and the Internet
- know the purpose of various essential network devices, such as switches and routers;
 - understand the functioning, capabilities, and limitations of computer networks;
 - understand the operations performed by web browser software, and what information moves across the World Wide Web and how it is moved;
 - know who governs the internet, including web content censorship, and ownership of domain names;
 - understand fundamental internet-related public policy issues, such as net neutrality;
 - know the steps necessary to create a corporate or personal web site;
4. Computer Security, Privacy & Ethics
- know the basic U.S. laws governing personal privacy and data security
 - understand U.S. laws protecting intellectual property, and understand the internet's impact on digital intellectual property
 - understand the basic principles of how harmful applications work and how to protect against them
 - know common computer security threats and how to protect against them
 - know ethical principles that should be applied when using computers
5. Web Page Development
- have a working knowledge of HTML in order to become a better user of web page development applications. Specifically, each student will be able to create and edit HTML tags for:
 - basic text formatting, such as fonts, colors, and alignment
 - links to internal pages, to external pages
 - images inside web pages
 - creating tables and lists
 - basics of style sheets
6. Software Development
- learn the step-by-step thinking that characterizes writing computer programs
 - learn terminology and ideas behind software development and design
 - recognize the process of game development
 - design a computer game
 - create a working computer game

Goals

- Help prepare students in a global economy to think critically, solve problems, and use digital technology effectively.
- Advance student mastery of current and future digital tools (hardware and software), information, and resources.

Final Exam Schedule

section 006 Thursdays at 3:30	---	6:30pm on Monday Dec 11
section 007 Wednesdays at 5:00	---	6:30pm on Wednesday Dec 6

Other Important Dates

- Last day to Add/Drop, Friday, August 25
- Interim Grading Deadline 5:00 p.m., October 5
- Course Withdrawal deadline, Friday, October 20
- Thanksgiving, Wednesday-Sunday, November 22-26

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.
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.

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.

General Education Credit

CSCI 101 Lecture is certified to count as a Technology course under Winthrop's General Education program. Learning Objectives Related to the Technology Component:

1. *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.
2. *Communication:* understand the function of a network; know how, when, and why to use e-mail and the Internet
3. *Presenting verbal and visual information:* use technology to produce documents; use technology to create and deliver presentations.
4. *Data manipulation:* work with programs to enter, manipulate, and query data (for example, using spreadsheets, databases, or similar programs).
5. *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.
6. *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
7. *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.

SERVICES AVAILABLE TO ALL STUDENTS

Students with Disabilities

Winthrop University is dedicated to providing access to education. If you have a disability and require specific accommodations to complete this course, contact Winthrop's Office of Accessibility. Once you have your official notice of accommodations from that office, please inform me as early as possible in the semester.

Winthrop's Academic Success Center

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), group and individual study spaces, and academic coaching. The ASC is located on the first floor of Dinkins, Suite 106. Please contact the ASC at 803-323-3929 or success@winthrop.edu. For more information on ASC services, please visit www.winthrop.edu/success.

Winthrop University's Office of Nationally Competitive Awards (ONCA)

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 at the bottom of the ONCA webpage www.winthrop.edu/onca and email disneyj@winthrop.edu or onca@winthrop.edu for more information.

The Office of Victims Assistance (OVA)

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/victimsassistance/>

Syllabus Change Policy

This syllabus is a guide and every attempt is made to provide an accurate overview of the course. However, circumstances and events may make it necessary for the instructor to modify the syllabus during the semester and may depend, in part, on the progress, needs, and experiences of the students. Changes to the syllabus will be made with advance notice.