



## *CPS 181 Introduction to Computing*

Instructor **Shannon Conley**

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Office **3rd Floor Lobby**

Office **Monday and Wednesday 3:35-4:00**

Hours **PM**

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### **Prerequisite / Co-requisite:**

**None.**

### **Audience:**

*For non CE, CIS Majors.*

### **Course Description:**

**Organization of computers, elementary programming, and problem solving. Applications in such areas as calculation and visualization, communication, databases, graphics, and artificial intelligence. Origins of the modern digital computer, future trends, social impact, abuses. Includes lab.**

### **Credits:**

*3 units*

### **Learning Objectives:**

**After taking this course, students will be able to:**

*Have a basic understanding of computer architecture, computer networking, databases, machine learning. Students should also be able to create basic websites and object oriented programs.*

### **Bibliography/ Texts / Supplies – Required:**

*None.*



### Requirements:

Each class you will work on programming labs. Each lab will have a specific syllabus. All labs must be turned in by Wednesday, May 10, 2017.

For your final project, you must create a software application. You can work in groups or alone. The idea is up to you. (I can help you brainstorm, decide which coding language to use, etc.) I will also create a syllabus specific to your project. Throughout the course, I will give you in class surveys. These will be like quizzes, but will not be graded. Please try your best. The top ten scoring students will receive a ten-point bonus added to their final project score.

### Grading:

Labs: 75% Final Project: 20% Surveys: 5%

<u>Grade s*</u>	<u>Grade points / credit*</u>	<u>Percenta ge Range</u>	<u>Total Point s</u>
<u>A</u>	<u>4.0</u>		
<u>A-</u>	<u>3.66</u>		
<u>B+</u>	<u>3.33</u>		
<u>B</u>	<u>3.0</u>		
<u>B-</u>	<u>2.66</u>		
<u>C+</u>	<u>2.33</u>		
<u>C</u>	<u>2.0</u>		
<u>C-</u>	<u>1.66</u>		
<u>D1</u>	<u>1.0</u>		
<u>D-1,2</u>	<u>0.66</u>		
<u>F</u>	<u>0</u>		

**NOTE:** You may use this table to indicate percentages or points to earn each possible course grade. You can modify the two columns to the right to meet your specific course grading scheme, however you must clearly indicate to students what percentage or point total they must achieve to earn a final grade as indicated in the first column "Grades." Be sure to describe clearly how assignments are counted and weighted and any other methods used to determine final grade. Include differentiated grade scale when a 500-level course or there are both undergraduate and graduate students in the course. Faculty may choose to present this information in another format, e.g., not a table as long as the requirements above are met.

\* source: <http://www.syr.edu/registrar/students/grades/faq.html>

1 Grades of D and D- may not be assigned to graduate students

2 Available only for Law students in LAW courses.

### Course Specific Policies on attendance, late work, make up work, examinations if outside normal class time, etc.:

Attendance is not mandatory. However, if you miss a class, it is up to you to stay caught up. I will try to design labs so that they can be completed in class.

However, it is possible that you may have to work on them outside of class time.



### **\*Academic Integrity Policy**

*Syracuse University's academic integrity policy reflects the high value that we, as a university community, place on honesty in academic work. The policy defines our expectations for academic honesty and holds students accountable for the integrity of all work they submit. Students should understand that it is their responsibility to learn about course-specific expectations, as well as about university-wide academic integrity expectations. The university policy governs appropriate citation and use of sources, the integrity of work submitted in exams and assignments, and the veracity of signatures on attendance sheets and other verification of participation in class activities. The policy also prohibits students from submitting the same written work in more than one class without receiving written authorization in advance from both instructors. The presumptive penalty for a first instance of academic dishonesty by an undergraduate student is course failure, accompanied by a transcript notation indicating that the failure resulted from a violation of academic integrity policy. The presumptive penalty for a first instance of academic dishonesty by a graduate student is suspension or expulsion. SU students are required to read an online summary of the university's academic integrity expectations and provide an electronic signature agreeing to abide by them twice a year during pre-term check-in on MySlice. For more information and the complete policy, see <http://academicintegrity.syr.edu/>.*

### **Disability-Related Accommodations**

*If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call (315) 443-4498, TDD: (315) 443-1371 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.*

### **Diversity and Disability:**

*Syracuse University values diversity and inclusion; we are committed to a climate of mutual respect and full participation. My goal is to create learning environments that are useable, equitable, inclusive and welcoming. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or accurate assessment or achievement, I invite any student to meet with me to discuss additional strategies beyond accommodations that may be helpful to your success.*



### **Religious Observances Notification and Policy**

*SU religious observances notification and policy, found at <http://hendricks.syr.edu/spiritual-life/index.html>, recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes for regular session classes and by the submission deadline for flexibly formatted classes.*

*For fall and spring semesters, an online notification process is available for students in My Slice / StudentServices / Enrollment / MyReligiousObservances / Add a Notification. Instructors may access a list of their students who have submitted a notification in My Slice Faculty Center.*

### **Student Academic Work Policy**

*SU policy on student academic work may be found at:  
[http://coursecatalog.syr.edu/content.php?catoid=3&navoid=270#Student\\_Academic\\_Work](http://coursecatalog.syr.edu/content.php?catoid=3&navoid=270#Student_Academic_Work)*