1113 – Programming I – Fall 2020

Instructor Information:

Meeting Time: 4:00 P.M. – 4:52 P.M.

Engineering room 207

Instructor: Adjunct Professor Michael Girard

Office Hours: By appointment

COVID-19 Amendment:

"We will be strictly following the University's policies regarding Covid-19. Refer to the University's policies for more information."

Course Details

**Course Description:**  
 This course covers the fundamentals of computer problem solving and programming. Topics include: program development process, differences between the object-oriented, structured, and functional programming methodologies, phases of language translation (compiling, interpreting, linking, executing), and error conditions associated with each phase, primitive data types, memory representation, variables, expressions, assignment, fundamental programming constructs (sequence, selection, iteration), algorithms for solving simple problems, tracing execution, subprograms/functions/methods, parameter passing, secure coding techniques (criteria for selection of a specific type and use, input data validation), and professional behavior in response to ethical issues inherent in computing.

**Student Learning Outcomes**

At the end of the course the student will be able to do the following:

1. Write and analyze complete programs in a high-level language
2. Solve problems in a computing environment
3. Run, debug, and document a variety of programming applications
4. Evaluate programs for security flaws and modularity

Method of Instruction: 2-hour lecture and 2-hour lab per week. Pre-requisites: none  
Post-requisites: D or better to be considered passing.

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**Course Requirements**

**Lab Requirements:**

It is required that all labs and classrooms have to be cleaned up before leaving or there will be a grade reduction.

**Technology Requirements:**

1. Laptop is required
2. Internet access is required
3. Backup technology such as a USB thumb drive or USB hard drive is suggested.
4. Technology that is provided should be considered as your own. You are responsible to keep it from breaking. If something does happen it should be reported immediately.

**Grading Policies and Evaluation**

|  |  |  |  |
| --- | --- | --- | --- |
| Quantity | Type | Percentage | Details in Grading |
| 10 | Lab/Homework/ Projects | 40% | Labs will be started in class but require outside work. |
| 3 | Exams | 30% | Makeup exams are only done by arrangements before the test date given. |
| 1 | Mid-Term | 15% | Makeup exams are only done by arrangements before the test date given. |
| 1 | Final | 15% | Makeup exams are only done by arrangements before the test date given. |
|  | Total | 100% |  |

|  |  |
| --- | --- |
| 100% - 90 % | A |
| 89% - 85% | B+ |
| 84% - 80% | B |
| 79% - 75% | C+ |
| 74% - 70% | C |
| 69% - 65% | D+ |
| 64% - 60% | D |
| <60% | F |

**Classroom and Instructor Policies**

The Alfred State College Principles of Community recognize the right of every individual to pursue a quality education without hindrance. Furthermore, the principles define the manner in which we show one another respect and dignity and maintain an environment that promotes personal and professional growth. For these reasons, the college has developed the following addendum of policies regulating classroom demeanor. These classroom regulations are a part of every course syllabus by the action of the Faculty Senate.

**Attendance**

The College requires that students attend all regularly scheduled classes and laboratories for which the student is registered. The meeting times of these classes are advertised in the master schedule and students should make the appropriate arrangements to be available for all such classes. Students should consult the college catalog for the policy governing religious observations and Academic Regulation 503 regarding the college attendance policy. If you can’t make it due to illness, please email me.

**Make Up Work \ Late Assignments\Extensions**

You can discuss with me make up work. However, if you have missed more than 3 classes I reserve the right to deny late work.

**Make Up Exams**

Do not assume that you can make up an exam. You must get prior approval to do a make-up exam. In other words, you must talk to me before the test to see if make up exams can be granted.

**Collaboration**

**Permissible**  
Collaboration during a lab is not acceptable. However, getting help during a lab is acceptable.

**Impermissible**

I student caught collaborating during a test will be take a zero for the test. I reserve the right to kick the student out of class due to cheating if the offense warrants it.

There is absolutely no collaboration allowed with a phone or any other electronic device during a test. This includes web browsers or instant messages.

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Classroom Decorum \ Behavior

1. Learning cannot occur in an environment that tolerates physical or psychological intimidation. The college exercises zero tolerance with regard to acts of violence and intimidation. Any such behavior will be immediately followed by appropriate action to remove the offending individuals from the college community. Acts of physical intimidation that occur in a classroom will result in the instructor’s direction to the responsible parties that they leave the classroom immediately. Failure to comply will result in the summoning of a University Police officer to enforce the directive.
2. Civilized discourse can support exchange of ideas and verbal disagreement without resort to obscene, harassing or intimidating language. Tenets of academic freedom do not extend to acts of intimidation or harassment. The gratuitous use of language constituting intimidation or harassment in Alfred State College classrooms will not be tolerated.

Students cannot learn in an environment in which there is disruption. For that reason, students who disrupt class, arrive late, or leave early, without the instructor’s prior consent or for reasons other than illness, may be deemed as absent from class without excuse.

1. APPROPRIATE DRESS: Certain types of dress show disrespect to the academic enterprise. Teaching faculty may choose to support learning in their classes by requiring certain types of dress (i.e., safety equipment, shoes, shirts, and prohibition of wearing hats during class). In addition, use of headphones that are not part of the instruction process is not permitted in scheduled classes and laboratories.

**Emergencies**

If an Emergency occurs, follow the instructions of the professors or call University Police at 607- 598-3999.

**School-related absence**

If there is an event or activity that is scheduled during class time and you want to be counted for the day, you must have a signed release form from the instructor or the team lead.

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**Appropriate/Inappropriate Use of Electronic Devices**

There is to be no headphone during lecture. You will be asked to remove them if you are caught with headphones during the lecture.

All phones are to be on silence during lecture. Life happens so if you get a call you must answer it outside of the classroom.

Use of electronic devices and getting help though out a lab is encouraged.

**Students with Disabilities**

Students who request accommodations in academic coursework for their documented disabilities are advised that this process begins by contacting the Office of Disability Services, Learning Assistance.

**Academic Dishonesty Policy and Penalty**

Absolute academic integrity is expected of all students at Alfred State College. Students will perform independently on all tests and written assignments. Students must not misrepresent their work or fraudulently or unfairly advance their academic status. Attempting to cheat or cheating will not be tolerated. Plagiarism, misrepresenting another’s work as one’s own, is not acceptable. Students are responsible for all academic work submitted and, if knowingly misrepresent the work of others as their own, shall be guilty of dishonesty. Students who knowingly collaborate in cheating or other breaches of the Integrity Code will be held equally responsible.

**Link to ASC Principles of Community**

Please refer to the Alfred State College code of conduct at the following website: http://www.alfredstate.edu/student-code-of-conduct/principles-of-community

Content Note:  
\* Some parts were written by Professor OConnor.

\* Some parts were written by Professor Rittenhouse  
\* Some parts were from Alfred State Boilerplate syllabus adapted by Alfred State Faculty

Senate and amended 11/29/2011