**Farmingdale State College**

**Computer Systems Department**

**BCS 1xx Introduction to Computer Science and Information Technology**

**Sample Preliminary Syllabus**

**(subject to change as course is still in development)**

**Professor: Dr. Arthur Hoskey**

**Office Location: Whitman 211**

**Office Mail: Whitman 111**

**Phone: 420-2435**

**Email: hoskeya@farmingdale.edu**

**Office Hours: See ANGEL announcements**

**PREREQUISITE COURSES**
None

**COURSE DESCRIPTION**

In this course, students will acquire a broad knowledge of the computer science and information technology fields. A study of basic computer concepts, overview of the computer industry, and introduction to computer programming will be the main areas covered within this course. After completing the course, the student will be ready to move forward in either the computer science, or information technology disciplines.

**COURSE OBJECTIVES**

At the completion of this course, students will:

1. Learn to identify the areas of a computer system: software, hardware, processes, storage, inputs and outputs.
2. Learn some of the major fields of specialization, and passable career tracks so they can make informed choices when choosing their major. Areas of specialization that will be covered are Computer Architecture, Operating Systems, Networking, Database, Security, and Mobile Computing.
3. Understand and use correct computer-related terminology.
4. Understand and write computer programming code and will be able to test and debug a simple computer program.

**REQUIRED TEXTBOOKS**

1. *Computer Science: An Overview (11th* Edition), by J. Glenn Brookshear, published by Prentice Hall 2011.

**STUDENT ATTENDANCE and CLASS WITHDRAWAL POLICY**

Please be courteous and arrive ON TIME for class. Students are required to attend all classes for which they are registered. The student is responsible for fulfilling all course requirements and completion of all course assignments to receive credit for the course. If classes are missed for any reason, the student is not excused for any missed work.

*The student must request an official withdrawal on or before the official last date for withdrawal or they will receive an A through F grade.* This policy is in alignment with the policy stated in the 2013 – 2014 College Catalog which states:” *A grade of “W” will be given to any student who officially withdraws from a course from the beginning of the second week through the end of the ninth week of classes. Withdrawal after the ninth week of classes is permitted only under extenuating circumstances at the discretion of the instructor.”*

**CLASS CANCELLATIONS**

Please visit the Farmingdale State Web site (<http://www.farmingdale.edu>) home page to obtain the latest information on class cancellations or delayed openings.

**PUBLIC HEALTH LAW**

New York State Public Health Law 2165 requires all students born on or after January 1, 1957 who register for 6 or more credits to prove immunity to Measles, Mumps, and Rubella (MMR).

The College will disenroll any student who is not in compliance with this law. If there is any doubt about the status of your compliance with Public Health Law 2165, please check with the Health and Wellness Center (631) 420-2009, located behind Memorial Hall.

**CELL PHONE USE**

It’s important that you and your classmates not be distracted from learning. The prohibition of cell phones is covered in Article II of the Student Code of Conduct. Any disruption of teaching, which specifically includes the use of cell phones, pagers, or other electronic devices, is considered a Level 1 violation of Article II of the Student Code of Conduct. Any violation may result in disciplinary action ranging from a warning letter to probation, suspension or dismissal from the College. As such, please turn off and put away these devices prior to your entering the classroom. Laptop computers – if used in class -- are to be used for academic work only, not for recreational means or surfing of the Internet.

**COMPUTER SYSTEMS DEPARTMENT ACADEMIC INTEGRITY POLICY**

Unless specifically indicated as group or team projects, all assignments are considered individual assignments for which the instructor expects original work submitted by each student.  All assignments must comply with the following Computer Systems Department academic integrity policy. We will follow the student code of conduct definitions of Academic Dishonesty, as listed in the Farmingdale State College Student Code of Conduct, as follows:

1. Submitting another person’s work with or without that person’s knowledge.
2. Copying a computer program or programming code from another source.
3. Purchasing and then submitting programming code.

**In addition, the following are also considered to be a breach of the academic integrity policy as it applies to individual assignments:**

1. Exchanging computer code and documents by any means.
2. Sharing storage media.
3. Submitting a document file that has been duplicated electronically from another person’s work.
4. Collaborating with another person that results in identical or similar work.
5. Intentionally or knowingly helping, attempting to help, or **solicit another to commit an act of academic dishonesty.**

**INSTRUCTOR’S COURSE OF ACTION

*First Offense*:** **The student (and collaborators, if any) will receive a grade of zero for the assignment and will have his or her final grade reduced by one full letter grade**. The infraction will be reported to the student’s chairperson, and a letter regarding the infraction will be placed in the student’s file.

***Second Offense*:** **The student receives an "F" in the course and may no longer attend or participate in the course**. The infraction will be reported to the student’s chairperson and a letter will be placed in the student’s file. The instructor will report the incident to the Dean of Students for an academic integrity hearing. A second offense can occur in the same course or in different courses.

Student dishonesty on exams and/or a capstone project will ***automatically be treated as a second offense****.*A letter will be placed in the student’s file, and the incident will be referred to the Dean of Students for further disciplinary action.

If a student is unclear about or has questions regarding the academic integrity policy, it is the student's responsibility to ask the professor for clarification of the policy.

**STUDENTS WITH DISABILITIES**

Students who seek accommodations (e.g. extra time for tests, readers, sign-language interpreters) are required to meet with the Director of the Office for Students with Disabilities for review of their special needs and present documentation regarding their disability. For further information, contact the Office for Students with Disabilities at (631) 420-6174/2411. The office is located in Roosevelt Hall, Room 150/151. If you have a documented disability and wish to discuss academic accommodations, please contact me as soon as possible.

**GRADING POLICY**

* 50% of the grade is based on four exams. ***Your lowest exam grade will be dropped (a zero for cheating will NOT be dropped as stated above in the academic integrity policy).*** If you miss an exam you get a zero for that exam. NO MAKEUP EXAMS WILL BE GIVEN.
* 35% of the grade is based on homework assignments.
* 10% of the grade is based on surprise quizzes. ***Your lowest quiz grade will be dropped (a zero for cheating will NOT be dropped as stated above in the academic integrity policy).*** If you miss a quiz you get a zero for that exam. NO MAKEUP QUIZZES WILL BE GIVEN.
* 5% of the grade is based on labs. The labs will be graded on a pass/fail basis. NO MAKEUP LABS.

All homework assignments must be completed and must be turned in by their due dates. Late assignments will be accepted for 1 week after the due date but will have 50% taken off of the grade. If, for any reason, you are unable to meet any deadline contact me beforehand. An extension MAY be granted, though only under mitigating circumstances.

NO MAKEUP EXAMS WILL BE GIVEN.

**TENTATIVE SCHEDULE**

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| Week 1 | Introduction |
| Week 2 | Data Representation |
| Week 3 | Computer Architecture and Operating Systems |
| Week 4 | Computer Architecture and Operating Systems (continued) |
|  | Exam 1 |
| Week 5 | Computer Programming |
| Week 6 | Computer Programming (continued) |
| Week 7 | Computer Programming (continued) |
| Week 8  | Exam 2 |
|  | Computer Networking |
| Week 9 | Computer Networking (continued) |
| Week 10 | Database |
| Week 11 | Database (continued) |
|  | Exam 3 |
| Week 12 | Mobile Computing |
| Week 13 | Computer Security |
| Week 14 | Instructor Chosen Topic(s) – This course will most likely leave one topic or two at the instructor’s discretion. Different SUNY schools will have specific areas they would like their students to be exposed to. |
| Week 15 | Final Exam (cumulative) |