# CSC2-140 Foundations of Computer Science October 2017

### **Course Syllabus**

**Instructor**: Professor Tony deLaubenfels

Office: Law 222

**Office Hours**: 3 p.m. - 4 p.m. Monday through Friday **Office Phone**: Extension 4295 Home Phone: 895-8336

**E-mail address**: tdelaubenfels (tdelaubenfels@cornellcollege.edu from off campus)

**Text:** How to Think Like a Computer Scientist: Interactive Edition by Miller, Ranum, et. al.

,https://runestone.academy/runestone/static/CSC2-140/index.html

### **Course objectives:**

develop practical skill in programming using the Python programming language

- introduce you to the most important questions that define computer science
- help you develop an historical perspective on the discipline and a sense of its likely future and highlight computer science's relationships to other disciplines
- learn computing and programming terminology and concepts that will enable you to continue your studies of computer science at higher levels

This course supports the Educational Priorities and Outcomes of Cornell College with emphases on *knowledge, inquiry, reasoning,* and *communication*.

#### **Class meetings:**

Lecture/ Discussion will meet each morning from 9:30 a.m. until 11 a.m. in our Law 121 classroom. We will have Computer Lab sessions afternoons in the Laboratory for Computer Science in Law 113 starting at 1:15 p.m.

#### Exam schedule:

Exam 1 Chapters 1-8 Wednesday, October 11, 2017
Exam 2 Chapters 9-12 Wednesday, October 18, 2017
Final Exam Chapters 13-16 + comprehensive Wednesday, October 25, 2017

**Assignments**: We will discuss material from the chapters indicated on the day scheduled. I expect you to read the assignments prior to the class discussing the material. Each student in our class will be assigned primary responsibility for presenting material in from one section of our text.

Most class days, I will give a homework assignment from our text. Once or twice a week, we will have a quiz or a portion of the assigned problems will be submitted--I will tell you when homework will be collected. But you should always do all the homework--substantial portions of our class discussion and exam questions will be based on problem solutions.

Lab sessions will be spent mastering the basics of the Python programming language and application areas. Time spent in labs is not adequate for a genuine mastery of this material. You should plan to spend a significant amount of time in computer labs working on assignments outside of the short scheduled lab sessions.

**Evaluations**: Your grade will be based on your performance on homework and projects, labs, and exams according to the following schedule:

Exam 1	100 points
Exam 2	100 points
Final Exam	125 points
Assignments, Presentations and Projects	75 points
Lab attendance/assignments	50 points
TOTAL possible	450 points

## **Policies**

**Distractions**. You may use your laptop to refer to our text or take notes during class. Other electronic devices (esp. cell phones) may not be used in our classroom while class is in session. Please restrict your use to course relevant uses to minimize distractions for you and your classmates.

**Drop.** I follow the college's policy on 15<sup>th</sup> day drops. i.e. in order to be eligible for a third Friday drop, you must attend class and complete all course work.

**Academic Integrity.** Cornell College expects all members of the Cornell community to act with academic integrity. An important aspect of academic integrity is respecting the work of others. A student is expected to explicitly acknowledge ideas, claims, observations, or data of others, unless generally known. When a piece of work is submitted for credit, a student is asserting that the submission is her or his work unless there is a citation of a specific source. If there is no appropriate acknowledgment of sources, whether intended or not, this may constitute a violation of the College's requirement for honesty in academic work and may be treated as a case of academic dishonesty. The procedures regarding how the College deals with cases of academic dishonesty appear in *The Compass*, our student handbook, under the heading "Academic Policies – Honesty in Academic Work."

**Accommodation**. Students who need accommodations for learning disabilities must provide documentation from a professional qualified to diagnose learning disabilities. For more information see cornellcollege.edu/disabilities/documentation/index.shtml. Students requesting services may schedule a meeting with the disabilities services coordinator as early as possible to discuss their needs and develop an individualized accommodation plan. Ideally, this meeting would take place well before the start of classes. At the beginning of each course, the student must notify the instructor within the first three days of the term of any accommodations needed for the duration of the course.