CS 201 – FALL 2015

PROBLEM SOLVING WITH COMPUTERS

Instructors:

Dr. Namdar Mogharreban
Office/hour: FANR 3122; Monday, Tuesday, Wednesday 10 - 12, 1 - 3 or by appointment
Email: namdar@siu.edu

Class:

MW 9:00 - 9:50 A.M. (Faner 1326)

Teaching Assistants:

Section 1: Lab meets Tue and Thu 2:00 - 2:50 P.M. (FANER 1028) Raghavendra Satwik Angaluri
eMail satwikangaluri@siu.edu
Tutorial Hours: FANR 2127 Mon 10-12 & Thu 1-3

Section 2: Lab meeting time Tue and Thu 3:00 – 3:50 P.M. (FANER 1028) Pouya Rezaie
eMail: pouya@siu.edu
Tutorial Hours: FANER 2127 Mon 12-2 & Wed 2-4

Section 3: TR 9:00 - 9:50 A.M. (FANER 1032) Anusha Veldanda
eMail: anushaveldanda@siu.edu
Tutorial Hours: FANER 2127 Mon 2-4 & Thu 1-3

Required Material:


The electronic version of the book is available at coursesmart.com for 180 days rental.

Grading

5 In-Class Activities 10 points each 50 points
3 Lab quiz 50 points each 150 points
Six Assignments 50 points each 300 points
Three Exams 100 points each 300 points
TOTAL 800 Points
Overview of course topics

- Problem Solving Continuum
  - Structured problems
  - Semi-Structured Problems
  - Unstructured Problems
- Introduction to programming
  - Basic building blocks of program
  - Use of variables
  - Data types
- Developing a program
  - Development cycle of a program
  - Top down approach
  - Testing a program
  - Flow charts and control structures
- Selection structures
  - If-then
  - If-then-else
  - Relational and logical operators
- Repeating structures
  - While
  - Do – while
  - For
- Object oriented programming an introduction
- Introduction to Python Programming

Emergency Procedures:

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT's website at www.bert.siu.edu, Department of Safety's website www.dps.siu.edu (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency. Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.