



**CSE 130**  
**Introduction to**  
**Programming in C**  
**Course Information**

**Spring 2018**

**Stony Brook University**

**Instructor: Shebuti Rayana**



# Course Description

- Introduces programming concepts using the C language.
  - *Variables, data types, and expressions.*
  - *Conditional and iterative statements, functions, and structures.*
  - *Pointers, arrays, and strings.*
  - *Scope of variables and program organization.*
- Includes programming projects of an interdisciplinary nature.
- Suitable as an introductory programming course for non-CSE majors.
- <https://www.cs.stonybrook.edu/students/Undergraduate-Studies/courses/CSE130>

# Course Prerequisites

- Level 3 on the mathematics placement examination

# Official Course Outcomes

- Write, compile and run (on his or her own) 8 - 10 computer programs in C that utilize basic features of the programming language to solve various introductory problems from mathematics, the sciences and text processing.
- Determine if any elementary C program is correct given some initial input, and if not, demonstrate where to find the computational error(s).
- Write small programs in an exam environment to demonstrate his or her problem-solving abilities and proficiency with the language syntax.

# Topics

- Major topics covered in this course:
  - *Introduction to course.*
  - *Variables, data types, compiling and running a program.*
  - *Expressions, basic input/output in C.*
  - *Using conditional statements: if, else and switch.*
  - *Using loop (iteration) statements: while and do-while.*
  - *Using loop (iteration) statements: for.*
  - *Introduction to pointers.*

# Topics

- *Using functions, parameter passing.*
- *Using structures.*
- *Storage classes and scope rules.*
- *Program organization.*
- *Introduction to arrays.*
- *The relationship between arrays and pointers.*
- *Strings, C functions for strings.*
- *Arrays of pointers, multidimensional arrays.*
- *Files*
- *Advanced I/O*

# Instructor Information

## ■ Shebuti Rayana

- 107 New Computer Science Building

## ■ Office Hours:

- Tuesday 1:00 PM – 3:00 PM
- Wednesday 4:00 PM – 5:00 PM
- *I am also available at other times by appointment.*

## ■ Email:

- shebuti (dot) rayana (at) stonybrook (dot) edu
- Please include “CSE130” in the email subject and your name and student Id in the email body

# General Information

- Meeting information
  - Lectures: MWF 9:00 AM – 9:53 AM at Javits Lecture Hall 101 West Campus
- Course Web page:
  - <http://www3.cs.stonybrook.edu/~cse130>
- Blackboard will be used for assignments, grades and course materials
- Information about TA's will be soon posted in the course webpage.



# Text Book

- **A Book on C**, 4th Edition, by AI Kelley and Ira Pohl (Addison-Wesley 1998).
  - *Copies of the textbook are available on 2-hour reserve in the Science and Engineering Library.*
- Reference:
  - ***The C Programming Language***, by Brian W. Kernighan and Dennis Ritchie, Prentice Hall, Second Edition 1988.

# Exam Dates

## ■ Midterm Exam:

- Wednesday, February 28, 2018, 9:00 AM – 9:53 AM, classtime, in classroom
- Wednesday, April 4, 2018, 9:00 AM – 9:53 AM, classtime, in classroom

## ■ Final Exam:

- Wednesday, May 9, 2018, 8:30 PM – 11:00 PM, in classroom
- See University schedule for Final Exam here:  
<http://www.stonybrook.edu/commcms/registrar/registration/exams>

# Grading Schema

- Grades will be based on homeworks, quizzes, and exams according to the following weights:
  - *Homeworks* – 20% (4 assignments each 5%)
  - *Final Programming Project* – 10%
  - *Quizzes* – 10%
  - *2 Midterm Exams* – 30% (Each 15%)
  - *Final Exam* – 30%
- **Incompletes:** Incomplete (I) grades will not be given in CSE 130 except in extraordinary cases
- The Pass/No Credit (P/NC) option is not available.

# Grading Information

## ■ Final Grade

- *Final grades are **NOT** curved. See the course Web page for the letter grade cutoffs. See Blackboard for all grades.*
- The final grade you receive in this course will reflect the extent to which you have mastered data structures and their applications
- How much someone needs a specific grade or how close they are to the next higher grade will not effect on grade
- The grades provided at the end of the semester is final, except for situations involving grading errors

**Final grade will not be altered for any reason.**

**So please do NOT ask me to do so!**

# Assignments/Lecture Slides

- Assignments will be available on **Blackboard**
- Lecture slides and handouts will be available on course web page

# Homework Submission

1. All assignments will be submitted through blackboard
2. Unexecutable code and/or late submission will not receive any credit.
3. Unless specified otherwise, only your C code should be submitted (i.e., only the .c files) as a single .zip
4. The file name should be in the following format:  
< firstname >\_< lastname >\_< id > \_hw< num >.zip
  - *For example, if John Doe with student ID 123456789 is submitting the third homework, the submitted file should be named john\_doe\_123456789\_hw3.zip*

# Late Submission Policy

- Late submissions of the homework assignments and project will NOT be accepted for grading, barring a valid medical, religious, or other excuse (with documentation). Late submissions with a valid excuse may be accepted at the instructor's discretion, with an accompanying 50% penalty to the assignment grade.

# Grade Challenge Policy

- The TAs and I will endeavor to post grades as soon as possible after assignments/exams are submitted (normally within 7–10 days).
- Questions about or challenges to assignment or midterm exam grading **MUST** be made within **TWO WEEKS** of the grades being posted; after that period, grades are considered final for that assignment or exam.



# Exam Policies

- All students must bring photo ID to each exam.
- Students will not be admitted more than 10 minutes late to any exam.
- All exam answers must be written in blue or black ink. Specifically, the use of red or green ink is not allowed.
- Make-up exams will be granted at the instructor's discretion, and **ONLY** for valid medical reasons (a doctor's note is required), for religious reasons, or for documented participation in University-sponsored events. Except for medical excuses, reasonable prior notification (at least 48 hours prior to the exam) to the instructor is **REQUIRED** in order for a make-up opportunity to be granted.
- Quizzes may **NOT** be made up.

# Programming Language and Tools

- Programming Language: C
- Students are encouraged to download and use the Visual Studio Community IDE (Windows, free) or Xcode (Mac OS X, free).
- Students are also encouraged to obtain a (free, University-provided) Sparky Unix account in which to develop and test their assignment code.

# Policy on Electronic Devices in Class

- Students are encouraged to bring laptops and tablet devices to class for writing codes and note-taking purposes.
- All communication and entertainment devices should be silenced or (preferably) turned off for the duration of the class unless otherwise directed by the instructor.
- No electronic devices of any sort may be consulted or used during exams; this will be considered an instance of academic dishonesty, and will be treated as such.

# Disability Support Service

- If you have a physical, psychological, medical or learning disability, contact the DSS office at Room 128 ECC. Phone 632-6748/TDD
- If you are planning to take an exam at DSS office, you need to tell me ahead of time for every exam.
- **All documentation of disability is confidential.**
- For more info visit:  
<http://www.stonybrook.edu/ehs/fire/disabilities>

# Academic Integrity

- You can discuss general assignment concepts with other students: explaining how to use systems or tools and helping others with high-level design issues
- You **MAY NOT share** assignments, source code or other answers by copying, retyping, looking at, or supplying a file
  - Assignments are subject to manual and automated similarity checking (We do check! and our tools for doing this are much better than cheaters think)
- If you cheat, you will be brought up on academic dishonesty charges - we follow the university policy:
  - <http://www.stonybrook.edu/uaa/academicjudiciary>

# Critical Incident Management

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.

# Catastrophic Events

- Major illness, death in family
- Formulate a plan (with your CEAS academic advisor) to get back on track
- Advice
  - *Once you start running late, it's really hard to catch up*

# Please

- Please be on time
- Please show respect for your fellow classmates
- Please turn off (or put in vibration mode) your mobile phones
- On topic questions are welcome



**Welcome and Enjoy**