ALL INFORMATION ON THIS WEBPAGE IS TENTATIVE UNTIL 10:30AM MON AUG 20

ANNOUNCEMENTS

If you need help with CodeLab, send e-mail to CodeLab Support.

Pending Events & Deadlines

- **Homework #1**
  Quiz will be held in lecture Mon Aug 27 2007 10:30-10:45am
  Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**
- **CodeLab #1**
  Due by 10:30am Fri Aug 31 2007
  4 exercises
- **Programming Project #1**
  Due in lecture by 11:20am Wed Sep 5 2007
- **In-Class Exam #1**
  Wed Sep 19, 10:30-11:20am, Dale Hall 122
  Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**
- **In-Class Exam #2**
  Wed Oct 24, 10:30-11:20am, Dale Hall 122
  Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**
- **Comprehensive Final Exam**
  Tue Dec 11, 8:00-10:00am, Dale Hall 122
  Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**

SYLLABUS

LECTURES
Monday/ Wednesday/ Friday 10:30-11:20am
Dale Hall 122
Click [here](#) for a campus map.

INSTRUCTOR
Dr. Henry Neeman
([hneeman@ou.edu](mailto:hneeman@ou.edu), 325-5386, Stephenson Research & Technology Center)
CS1313 HELP SESSIONS WITH INSTRUCTOR
Mondays 1:00-3:00pm and Tuesdays 9:00-10:30am starting Mon Aug 27 & Tue Aug 28
Held in Carson Engineering Center 205
Click here for a campus map.

OTHER HELP SESSIONS WITH INSTRUCTOR
Mondays 3:00-5:00pm in Carson 205 and Thursdays 3:00-5:00pm in Carson S-18, starting Mon Aug 27 & Thu Aug 30
Note that Carson S-18 is in the sub-basement.
These sessions are targeted at supercomputer users, NOT CS1313, so YOU WILL BE AT LOWER PRIORITY.
Click here for a campus map.

OFFICE VISITS (at Stephenson)
BY APPOINTMENT ONLY, MADE AT LEAST 24 HOURS IN ADVANCE

CONTACTING THE INSTRUCTOR AND THE TAs
Please contact Dr. Neeman and the TAs by e-mail unless it's an emergency.
When contacting one, unless it's a personal matter, please contact ALL THREE (instructor and both TAs).
Please DON'T call the main offices of the School of Computer Science, OU Information Technology, the Stephenson Research & Technology Center or the Center for Analysis & Prediction of Storms UNDER ANY CIRCUMSTANCES.

TEACHING ASSISTANTS
Cory Jones (cory.d.jones-1@ou.edu)
Tim Phillips (mockingbird@ou.edu)

LAB SECTIONS
Fridays in Carson
Attendance is MANDATORY.
Click here for a campus map.

- Section 011: Fridays Carson S-18 9:30 - 10:20am (Tim)
- Section 012: Fridays Carson 206 11:30am - 12:20pm (Tim)
- Section 013: Fridays Carson 206 12:30 - 1:20pm (Cory)
- Section 014: Fridays Carson 206 1:30 - 2:20pm (Cory)
  Note that Carson S-18 (Section 011, Fridays 9:30-10:20am) is in the sub-basement.

TA HELP SESSIONS
Held in Engineering Lab 158 (SE corner of Asp & Felgar, across Asp from the Union)
Click here for a campus map.

> Tim Phillips: Mondays 8:30-10:00am starting Mon Aug 27 and
Tuesdays 3:30-5:00pm starting Tue Aug 28
- Cory Jones: Wednesdays 9:00-10:30am starting Wed Aug 29 and Thursdays 1:30-3:00pm starting Thu Aug 30

Ambitious, Tentative List of Topics

- Computer Organization
  - Hardware
  - Software
- C Introduction
- Introduction to Data & Expressions
  - Variables & Constants
  - Numeric Data Types (int & float)
  - Arithmetic Expressions (int & float)
  - Standard Library Functions
  - Symbolic Logic & Boolean Values
  - Boolean Data Type & Expressions
- Branching (if)
- Loops (while & for)
- Arrays
- Procedures (Functions)
  - User-Defined Functions
- Bit Representation of Integer Values
- Character Strings
- User-Defined Data Types (struct)
- File Input/Output
- Pointers
- Searching & Sorting

Prerequisite: MATH 1523 (Elementary Functions) or equivalent
Note: This course is NOT for students majoring or minoring in CS or enrolled in CS option/emphasis programs.

To Be Purchased:

  Available at the University Bookstore
- TuringsCraft CodeLab (MANDATORY) -- http://www.turingscraft.com/
  Cost: $25 per student for the entire semester (the first 10 exercises are free)

Required work (and percent of overall grade)

- 5-10 Programming Projects (45%)
- Short programming assignments (10%) -- CodeLab
  (due every Friday starting Fri Aug 31 unless otherwise announced)
- MANDATORY Lab Attendance (10%) starting Fri Aug 24
- Weekly Quizzes (10%): every Monday 10:30-10:45am, starting Mon Aug 27, except as announced
  (open book, open notes but not open neighbor unless otherwise announced). Quiz questions will be
  taken word-for-word from the homework assigned the previous week, unless otherwise announced.
- 2 In-Class Exams (15% for both)
  - Wed Sep 19, 10:30-11:20am, Dale Hall 122
  - Wed Oct 24, 10:30-11:20am, Dale Hall 122
    Open book & open notes but not open neighbor UNLESS OTHERWISE ANNOUNCED
Comprehensive Final Exam (10%): Tue Dec 11, 8:00-10:00am, Dale Hall 122
Open book & open notes but not open neighbor UNLESS OTHERWISE ANNOUNCED

Recommended work: Homeworks will be assigned every week, starting Mon Aug 20, unless otherwise announced. Quiz questions will be taken WORD-FOR-WORD from homeworks; homeworks WON’T be collected or graded.

Web-based Short Programming Assignments (CodeLab)
Instructions on how to register for and use CodeLab are posted on the CS1313 website. EACH SHORT PROGRAMMING ASSIGNMENT WILL CONSIST OF MULTIPLE CODELAB EXERCISES. Each CodeLab exercise that is COMPLETE, CORRECT AND ON TIME will receive FULL CREDIT; each CodeLab exercise that is COMPLETE, CORRECT BUT LATE will receive QUARTER CREDIT; each CodeLab exercise that is incomplete and/or is incorrect will receive NO CREDIT.

Grading

- Letter Grades
  - A: G ≥ 90%
  - B: 80% ≤ G < 90%
  - C: 70% ≤ G < 80%
  - D: 60% ≤ G < 70%
  - F: G < 60%

  We reserve the right to curve the grades as we see fit, but the curve won't be harsher than this.

  Your overall grade for the course will be calculated this way:

  \[ G = W_Q \frac{\sum_{i=1}^{N_Q} Q_i}{Q_i^{max}} + W_P \frac{\sum_{i=1}^{N_P} P_i}{P_i^{max}} + W_S \frac{\sum_{i=1}^{N_S} S_i}{S_i^{max}} + W_E \frac{\sum_{i=1}^{N_E} E_i}{E_i^{max}} + W_F \frac{F}{F^{max}} + W_L L \]

  where:
  - G is your overall grade for the course;
  - Q refers to quizzes, P refers to programming projects, S refers to short programming assignments (CodeLab), E refers to in-class exams, F refers to the final exam and L refers to lab sessions (calculation of L shown below);
  - \( W_A \) is the percentage weight of assignment type A
    (that is, \( W_Q = 10, W_P = 45, W_S = 10, W_E = 15, W_F = 10, W_L = 10 \);
  - \( A_i \) is your score on the \( i \)th assignment of type A;
  - \( A_i^{max} \) is the maximum possible score on the \( i \)th assignment of type A;
  - \( N_A \) is the number of assignments of type A;
  - \( \sum_{i=0}^{N_A} A_i \equiv A_1 + A_2 + \cdots + A_{N_A} \)

Lab Sessions

- ATTENDANCE AT ALL LAB SESSIONS IS MANDATORY starting Fri Aug 24, and will constitute 10% of your overall CS1313 grade. Failure to attend labs may cost as much as a full letter grade.
- At the BEGINNING of each lab session, your TA will TAKE ATTENDANCE.
- Your TA will then spend up to half of the session discussing an important topic, possibly including how to design a newly-assigned programming project.
- After that, you will spend the remainder of the lab session working on CS1313 assignments (programming projects, short programming assignments and homeworks).
- At the END of the lab session, your TA will TAKE ATTENDANCE AGAIN.
- For each lab session, you will receive one of the following scores:
  - 2: You were marked present at both the beginning and the end of the lab session.
  - 1: You were marked present at either the beginning or the end of the lab session, but not both.
You were marked **absent** at both the beginning and the end of the lab session.

- You may miss as many as 2 lab sessions without penalty. (Alternatively, you may arrive late or leave early from as many as to 4 lab sessions, or you may mix and match.) **DON'T** squander them. **THERE ARE NO EXCUSED ABSENCES FROM LAB**; the two free absences should be sufficient to cover any legitimate situations that might arise.

- Your total lab grade \( L \) will be calculated as:

\[
L = \text{MIN} \left( \frac{\sum_{i=1}^{N_L} L_i}{2 \cdot (N_L - 2)}, 1 \right)
\]

where

- \( N_L \) is the number of lab sessions
- \( L_i \) is your score for the \( i^{th} \) lab session
- \( \text{MIN}(x,y) \) means the lesser of \( x \) or \( y \)

- If you cannot participate in lab sessions at all for a **LEGITIMATE** reason (e.g., religious observance as mentioned below), then you must provide **WRITTEN DOCUMENTATION** of your situation **BY 11:20AM WEDNESDAY AUGUST 29**. In such a case, your overall grade will be calculated without using a lab grade. Job or course schedules, planned trips, perceived lack of need and so on are **NOT** legitimate reasons.

- You will receive credit only for attending your **officially scheduled** lab session.
- There will be no labs held during official campus holidays or Engineering Open House (see below for listing).
- Because of the OU-Texas holiday on Fri Oct 5 and Engineering Open House on Fri Nov 2, there will be neither lectures nor lab sessions on those days.
- If for some reason a lab session has to be cancelled, then other lab sessions during the same week will be optional and attendance will not be taken.

**Course Policies**

- **Lateness penalties for programming projects**
  - No lateness deduction: if turned in no later than 11:20am on the due date (or at any earlier time)
  - 20% deducted for every lecture session late (after 11:20am)
  - **EXAMPLE:** If a programming project is due by 11:20am Wed Oct 10, then ...
    - If you turn it in by 11:20am Wed Oct 10, then there is no lateness penalty.
    - If you turn it in 11:21am Wed Oct 10 through 11:20am Fri Oct 12, then you will lose 20% of its value right off the top (before other deductions are assessed by the graders).
    - If you turn it in 11:21am Fri Oct 12 through 11:20am Mon Oct 15, then you will lose 40% of its value right off the top.
    - If you turn it in 11:21am Mon Oct 15 through 11:20am Wed Oct 17, then you will lose 60% of its value right off the top.
    - If you turn it in 11:21am Wed Oct 17 through 11:20am Fri Oct 19, then you will lose 80% of its value right off the top.
    - If you turn it in after 11:20am Fri Oct 19, then you will get a grade of zero.

**Notes:**

- Lab sessions and help sessions **DON'T** count as lecture sessions for the purpose of determining lateness.
- If you submit an assignment early, then you may submit a new version of it up through the due date without penalty. The last version submitted by the due date will be graded; earlier versions will be discarded. **BE SURE THAT THE LAST VERSION SUBMITTED IS COMPLETE**; for example, it should include an appropriate cover page etc.
- No assignment submissions will be accepted after 11:20am Fri Dec 7 except by arrangement made by no later than 11:20am Wed Dec 5.

- **Helping each other**
  - We encourage you to discuss homeworks, short programming assignments and programming projects with each other, to help each other with debugging, and to study for exams together. However, it is **NOT ACCEPTABLE** to develop programs together, or to copy each other's work on **ANY ASSIGNMENT**. Writing programs, like writing prose, is highly idiosyncratic; it is virtually...
impossible for two people working independently to produce code that is more than superficially similar, on any but the most trivial assignments. So, we can generally spot shared code with little difficulty. We reserve the right to use automatic cheating detection software. Cheating can result in, and has resulted in, severe penalties, up to and including expulsion from the University (see below), so don’t even think about it!

- **Help from us**
  If you have questions or you’re having trouble with the material, we urge you to ask questions during lectures, to come talk to us during help sessions, to send us e-mail, or to make an appointment (at least 24 hours in advance) to meet at other times.

- **Using outside sources**
  If, in completing an assignment, you use any sources (e.g., books, online resources, classmates, friends, relatives, other professors) other than the exceptions that follow, then you must clearly reference them in the assignment. Exceptions: the course instructor and TAs, the course textbook, and the course resources available directly from the course website (i.e., materials other than links to other sites). **Note:** Referencing an inappropriate source isn’t a defense against accusations of academic misconduct (see below).

- **Working on programming projects**
  Don’t wait until the last minute to start your programming projects. Developing software takes a lot of time, and may depend on the availability and reliability of systems that you have no control over. If the computers are down the night before a due date, don’t count on that buying you extra debugging time -- it certainly wouldn't in the real world.

- **Studying for exams**
  Don’t wait until the last minute to start studying for exams. The best way to ensure success is to keep up with the course material, and to ask questions. Students who actively participate in lectures and attend lab sessions and help sessions typically learn and retain the material much better.

- **Registration in CS1313**
  Fri Aug 24 is the last day to add CS1313.

- **Withdrawal from CS1313**
  - Through Fri Aug 31: no grade recorded if dropped
  - Tue Sep 4 - Fri Sep 28: automatic grade of W
  - Mon Oct 1 - Fri Oct 26: grade of W or F (based on assignments graded to date)
  - Mon Oct 29 - Fri Dec 7: must petition college dean to withdraw, and grade of W or F (based on assignments graded to date)
  - In accordance with OU policy: starting Mon Oct 1, you will receive a withdrawal grade of W only if you have an overall passing grade (at least a D) on assignments graded to date; if your grade to date is an F, then you will receive a withdrawal grade of F.

- **Will this be on the exam?**
  Yes. Everything covered in lectures, readings, labs, homeworks, programming projects and short programming assignments (CodeLab) is fair game unless specifically stated otherwise.

**Web Postings**
All printable course materials, including lecture slides, homework assignments and programming project specifications, will be posted on the course website (cs1313.ou.edu). **You are responsible for downloading and printing these materials.** The only printed matter that you should expect to receive in lecture are the syllabus, the questionnaire, the quizzes and the exams.

**E-mail**
Often, we need to alert the class to an important issue or problem. You should check your e-mail at least twice a week. Course e-mails are sent to your official OU e-mail address; you are responsible for making sure that course e-mails are getting to you.

**Campus/Course Holidays** (no lectures, labs or help sessions)

- Mon Sep 3: Labor Day
- Fri Oct 5: OU-Texas Day
- Fri Nov 2: Engineering Open House
- Wed Nov 21 - Fri Nov 23: Thanksgiving Vacation
Disability

Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact the instructor personally as soon as possible so that accommodations necessary can be made to ensure full participation and to facilitate educational opportunities.

Religious Holidays

It is the policy of the University to excuse absences of students that result from religion observances and to provide without penalty for the rescheduling of examinations and additional required classwork that may fall on religious holidays.

-- OU Norman Campus Faculty Handbook, August 2007

Academic Misconduct

All cases of academic misconduct will be reported to the Dean of the appropriate College for adjudication. For clarification of OU's policies on academic misconduct, see

http://www.ou.edu/provost/integrity/

It is YOUR responsibility to be familiar with these policies and to comply with them. Ignorance of these policies is NOT an excuse for violating them.

HOW TO DO WELL IN CS1313

- The BEST way to improve your understanding in CS1313
  You'll notice, as the semester progresses, that the course lecture notes (available for downloading from the course website) contain many short example programs. Type them in, compile them and run them, and you'll understand the course material much better. This approach is especially valuable because SEVERAL PROGRAMMING PROJECTS ARE LONGER VERSIONS OF EXAMPLE PROGRAMS IN THE LECTURE NOTES.
  - When you come to lecture, lab or help sessions, and when you work on course assignments on your own, ALWAYS ALWAYS ALWAYS bring ALL CS1313 materials with you -- assignment descriptions, lecture notes, syllabus, graded assignments, etc.
  - When working on a CS1313 assignment, whether a homework, a programming project, a short programming assignment (CodeLab) or an exam, ALWAYS ALWAYS ALWAYS read EVERY SINGLE WORD of the assignment description. EVERY WORD THAT DR. NEEMAN WRITES DOWN IS PURE GOLD.
  - When in doubt, LOOK IT UP, DON'T MAKE IT UP.

HANDOUTS & ASSIGNMENTS

Syllabus: PDF  PostScript
Questionnaire: PDF  PostScript
Lecture Slides

- Computer Organization
  - Hardware
    - PowerPoint  PDF
  - Software

Coming soon

Hardware

Software
Lesson 1
- [PowerPoint](#) [PDF](#)
- [Lesson 2](#) [PDF](#)

**Homeworks** (quizzes on these are worth 10% of overall grade.)

- Homework #1 [PDF](#) [PostScript](#)
  Quiz in lecture 10:30-10:45am Mon Aug 27 2007
  Open book & open notes but not open neighbor

**Short Programming Assignments** (worth 10% of overall grade)

Please note that each CodeLab assignment consists of **MULTIPLE EXERCISES.**
To find out which ones are coming due shortly, **SORT THE EXERCISES BY DEADLINE.**

- [TuringsCraft Website](#)
- [Send e-mail to CodeLab Support](#)
- [How to Purchase CodeLab](PDF) [PostScript](#)

- Short Programming Assignment #1 (CodeLab)
  4 exercises
  Due by 10:30am Fri Aug 31

**Programming Projects** (worth 45% of overall grade)

- Programming Project 1: Thinking of a Number [PDF] [PostScript]
  Due in lecture by 11:20am Wed Sep 5 2007

**Exams**

- In-Class Exams (together worth 15% of overall grade)
  - Wed Sep 19, 10:30-11:20am, Dale Hall 122
    Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**
  - Wed Oct 24, 10:30-11:20am, Dale Hall 122
    Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**

- Comprehensive Final Exam (worth 10% of overall grade)
  Tue Dec 11, 8:00-10:00am, Dale Hall 122
  Open book & open notes but not open neighbor **UNLESS OTHERWISE ANNOUNCED**

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**USEFUL INFORMATION**

- [OU IT Support Website](#)
- Unix Information
  - [A Quick Look at the Unix Operating System](#)
  - [Unix Tutorial for Beginners](#) -- University of Surrey (UK)
  - [Unix Tutorial](#) -- University of Washington
  - [Norman Matloff's Unix and Linux Tutorial Center](#) -- University of California, Davis
  - [UNIXhelp for Users](#) -- University of Edinburgh (UK)
- [Downloading a Secure Shell Client to Your Desktop](#)
- [Downloading a Secure Copy Client to Your Desktop](#)
- [OU Fall 2007 Academic Calendar](#)
- Information about the [nano](#) text editor from various sources
  - [GNU nano FAQ](#)
  - [ThinkQuest New York City](#)
San Diego State University

Staff Quick-find
Henry Neeman  e-mail  webpage
Cory Jones    e-mail
Tim Phillips  e-mail

This webpage: http://cs1313.ou.edu/