Recycling & Trash is now **ALL IN THE HALL**

Trash cans have been removed from this classroom and replaced with centralized waste receptacles that are now **ALL IN THE HALL**.

fa.oregonstate.edu/recycling/hall

**Recycling is Orange.**
Course Introduction
Who Am I

- Prof. Ron Metoyer
- Born and raised in Southern Cal
- UCLA undergrad  B.S.  (1994)
- Georgia Tech Grad  Ph.D.  (2001)
- OSU Assoc. Prof.
Teaching
Research
Visualizing Diversity in Large Multivariate Datasets

domain specific Vis Language

Health Awareness

Consumption Awareness

domain specific Vis Language
Family
Structure of the Course

• Weekly Reading
• Short Lectures
• Collaborative Worksheets
• 7 Assignments
• 1 Midterm
• 1 Final Exam
• Weekly Quizzes (Most likely on Thursdays)
• See Class Website (Policies Section)
  – Percentage Weights
  – Grading Scale
  – Grading Policy and Late Assignments
Grading

• 30% Homework
• 20% Mini Quizzes
• 10% Class Participation, Recitation/Labs
• 20% Midterm
• 20% Final Exam
Academic Honesty

• Expected to produce and understand all aspects of your (and your team’s) work
• Honor system
What if I need help on assignments?

- **Piazza.com**
  - Used for questions – we’ll watch and answer questions
  - you can and should answer questions (Class Participation Credits!)
  - Can also post anonymously

- **Office Hours**
  - See website for location of TA Office Hours
  - Mine are held in my office
Office Hours Policy

- We will help you understand the assignments
- We won’t give answers, but will guide you to your own answers
- We will only help you debug code if you can demonstrate confidence in supporting code
  - If function A calls function B, you must demonstrate that function B is behaving correctly (ie...demonstrate with a unit test case!!!)
Pair Programming

• Why?
  – Proven to enhance learning for both advanced and less experienced students
  – Nearly ALWAYS produces better code than a solitary programmer

• When?
  – Recitations/Labs
  – First two assignments [required]
  – Must choose partner in your recitation - ASAP

• See Handout

• See Video
Pair Programming Mechanics

- **Driver**
  - Controls keyboard and mouse

- **Navigator**
  - Observes
  - Asks Questions
  - Suggests Solutions
  - Considers long term strategies

- Switch roles every 20 minutes

- Fill out partner survey after each assignment
Program Development

• You may use *any development environment* to write your code
• We will write our code in ‘C’ with the C99 standard
• I *highly* recommend that you become very familiar with a debugger and debugging strategies
  – Variables view
  – Expressions
  – Step over, into, out
• All assignments must compile (using gcc) and execute in the linux environment on flip.engr.oregonstate.edu
Handing in Programming Assignments

1. Make sure you have an ENGR account. If you don’t go to https://secure.engr.oregonstate.edu:8000/teach.php?type=want_auth (and click on ‘create a new account’)
2. Log in at the website above
3. Click **Submit an Assignment**
4. Choose the assignment from **List of Assignments**
5. Browse for the files to submit
6. Select the relevant file(s)
7. Click **Submit**
8. **Sign up for a TA Demo**
Programming Assignments

• Must also be copied to your ENGR (or other OSU account) before the deadline.
• If you submit the wrong files via TEACH and you have not copied your project to your ENGR account (before the project deadline), you will not be given an opportunity to resubmit and you will get a zero for that assignment.
• We do NOT accept modification dates on personal computers as proof that the files were done on time.
1. **Always** identify yourself and the program at the top of the *main* file.

```c
/*
 <your and partner's name>  <date>
 <assignment Identification>
 <development environment>
 */
```

2. **Always** identify yourself and the file contents at the top of other .h and .c files.

```c
/*
 <your name>  <date>
 <file description>
 */
```
3. **Always** provide a description for each procedure / function.

   
   
   /*
   *<function description>
   *<preconditions>
   *<postconditions>
   */

4. **Always** use self-documenting code.

5. Provide additional comments **as needed**. (Usually comment logical sections of code.)
Assignments & Exams

• Contesting a Grade
  – one week after returned to you

• Late Assignments
  – Penalized at 10% per day for 2 days
  – After 2 days, zero for the assignment

• Exams
  – At least one week notice if you can’t make an exam date
  – Makeup exams ONLY UNDER EXTREME CIRCUMSTANCES
• See the course website for more details
• https://secure.engr.oregonstate.edu/classes/eecs/winter2015/cs261-001
No recording of lectures
Why study data structures?