Please turn off cell phone, if you need to answer a call, go outside

**Why do we require course?**
- We have found that working in small groups to explore a variety of topics, build individual projects, and learn from and teach each other helps our students get a successful start on their college career.
- Designed to launch you into your particular path in computer science or wherever that is best for you.

**This class will be of value if any of the following is true**
- Computer Science major who would like to learn more about your major.
- Considering computer science as a major.
- Those with little CS experience, those with lots, “There is no accounting for tastes.”
- It is not where you start with computer science; it is where you get to at the end of your journey.
- *Bright people who are bored tend to under perform and get into mischief.*
- *It is your responsibility to find constructive and appropriate ways to avoid boredom,* provide us feedback!
- It is possible for EVERYONE to do well in this class!!

**Class goals and objectives**

*Why do we set goals?* – “In the long run men hit only what they aim at. Therefore, though they should fail immediately, they had better aim at something high.” Thoreau

**Specific Objectives for this class:**
- Is Computer Science the right major for me, and, if not, what is?
- Develop the knowledge and skills to be successful at CSU and beyond.
- Form a community. ... with people with whom you work well and have fun..
- “Is Computer Science the right major for me and, if not, what is?”. By the end of the semester know which major is right for you.
- Learn about computer science (or other specific discipline-relevant) classes and research at CSU.
- Learn tools to assist in degree planning. Determine following semester course plan.
- Students who are not confident about their choice of major are encouraged to work with our Career Center advisor as part of their following semester course plan.
- Learn about some of the major employers of computer science students in the Fort Collins and Colorado area through attending career fair. Students who decide to change their major will be offered an opportunity to explore major employers in their fields as well.

**Develop the knowledge and skills to be successful at CSU**
- Improve skills related to teamwork, following instructions (evaluation and execution), interviewing.
- Become familiar with campus resources.

**Form a community with people whom you work well and whom you have fun with.**
- Get to know fellow students.
- Do many kinds of in-class projects with other students.
• Learn about clubs that might be of interest to you.
• This is a team sport

Why these goals?
• Class allows you to take risks, learn from mistakes and move on, try something different, by end of semester know where you want to head with your major
  “If you never make any mistakes, you aren’t taking enough risks.”
  “Shoot for the moon. Even if you miss, you’ll land among the stars” Les Brown
By end of semester we hope you have a path for a major that you feel good about
  * Share my experience choosing a major
• We want your choice of major and career to be fun for you
  * “If it isn’t fun, why do it?” – Ben & Jerry
  * “Business has responsibility to give back to the community.”

Video: Anybody Can Learn: http://code.org/
• What did you observe from this video?
  ◦ Anybody can learn
  ◦ Diversity of people
  ◦ Starting age computing: 13 yrs, 8 yrs, 7th grade, college
  ◦ 1st program: tic tac toe, green circle, Hello World, simple then add to it
  ◦ Initially can be intimidating
  ◦ Can be learned
  ◦ About problem solving
  ◦ Don’t have to be a genius
  ◦ Computers are everywhere, can work in any discipline
  ◦ People laughed at me for wanting to learn coding, friends now have jobs
  ◦ Aren’t enough people with these skills
  ◦ Awesome offices
  ◦ Software about humanity, helping people
  ◦ Millions of people use what you create.

Review Course Syllabus found on CS 192 website.

Learn names.
• Introduce ourselves, brief, informative

Asking.
• If you ask, you are more likely to receive or learn. You help your classmates by asking the question.

Homework:
• Questionnaire. Due Monday Feb1, print it and bring it to class.

(SKIP THIS PART?) Algorithms: Your first “programming” exercise
• Sort by height.