



### CSE 113 - INTRODUCTION TO COMPUTER PROGRAMMING I

- Instructor:
  - Dr. Adrienne Decker
    - Please call me Adrienne
    - But if you must be formal, it's Dr. Decker or Professor Decker.
    - NOT Miss Decker, or Ms Decker or Mrs.
       Decker
  - Office: 130 Bell Hall



## CSE 113 - INTRODUCTION TO COMPUTER PROGRAMMING I

- © Email: adrienne@buffalo.edu
  - Email you send me should be from your UBIT email account and should include your <u>full name</u> and <u>which course you are</u> <u>taking</u>.



## CSE 113 - Introduction to Computer Programming I

- Office Hours:
  - Monday 10:30–11:20
  - Wednesday 10:00–11:20 and 2:00–2:50
  - Friday 2:00–2:50

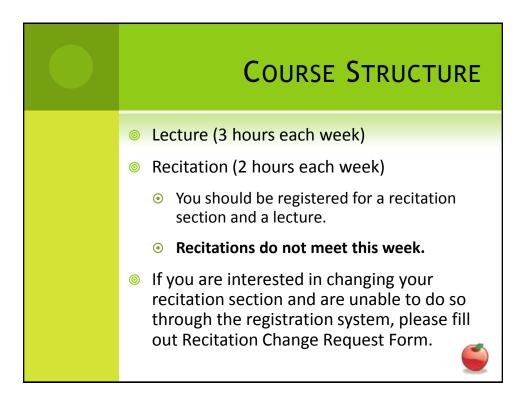


#### INFORMATION ON THE WEB

- All course content will be on the course website:
- http://www.cse.buffalo.edu/faculty/adrienne/SP2011/ cse113
- UBLearns will be used to post course grades







## Course Description and Prerequisites

- This course is an introduction to computer programming for non-majors. Intended computer science or computer engineering students should not take this course.
- There are no prerequisites for this course, but you should have some familiarity with a computer (that is, you should have used one before).



#### **TEXTBOOK**

- Michael Kölling Introduction to Programming with Greenfoot: Objectoriented Programming in Java with Games and Simulations
- The package (paper book and eBook) is available at the University Bookstore, Greeks and Sneaks.
- The paper book is available through many outlets.

#### **COMPUTING RESOURCES**

- Projects for this course will be completed on the School of Engineering's computer systems.
- You will be receiving an account on these systems.



#### COURSE GRADES

- 45% Exams
  - Four in-class exams lowest grade dropped. Dates posted already on the course website.
- 35% Programming Exams (3)
  - Two take place in recitation during the semester, one during final exam week.
     Dates listed in syllabus and on course website.



### Course Grades

- 20% Programming Assignments
  - Ten assignments each worth 1.5% of your grade. One to ten practice assignments worth a total of 5% of your course grade.



#### COURSE GRADES

- Important Note:
  - If you do not attempt the third practical exam (or are not allowed to take the third practical), the highest grade you can earn in the course is an F.
  - You will not be allowed to take the third practical exam if your grade on ANY of the ten programming assignments is below 50%.



#### LETTER GRADES

- See chart in syllabus.
- There is no curve on the course grades. If your average falls in between the cutoffs, that is your grade.



#### **COURSE POLICIES**

- Re-grading any questions about graded work must be raised within one week of the return of the work.
- Incompletes we will follow the university's policy on incompletes – unless you meet the criterion, you will not get an incomplete.



#### **COURSE POLICIES**

- Disability Services If you are registered, please bring me the letter indicating your accommodations.
- Athletics If you are an athlete, please come to speak with me about how that will effect this course this semester.



#### **COURSE POLICIES**

- Oisruption/Behavior in the Classroom
  - Take note of the University's policy on this issue (in syllabus)
  - Be respectful of each other



#### **COURSE POLICIES**

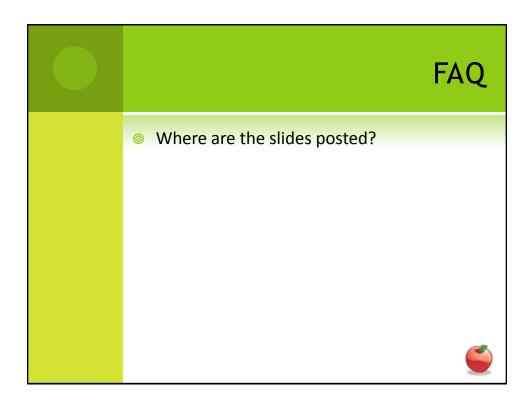
- Academic Integrity
  - Breaches of academic integrity will be investigated and punishments imposed in accordance with the University's policies AND my department's policies.
  - My department's policy is that ANY breach of academic integrity is punished with an F in the course (no more lenient punishments allowed).

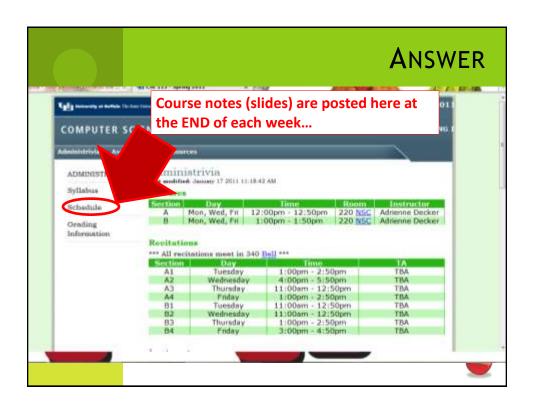


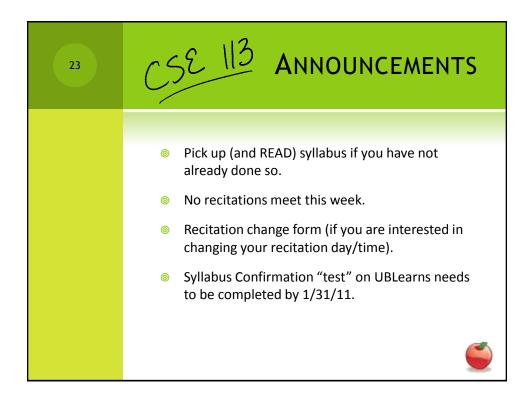
#### SYLLABUS CONFIRMATION

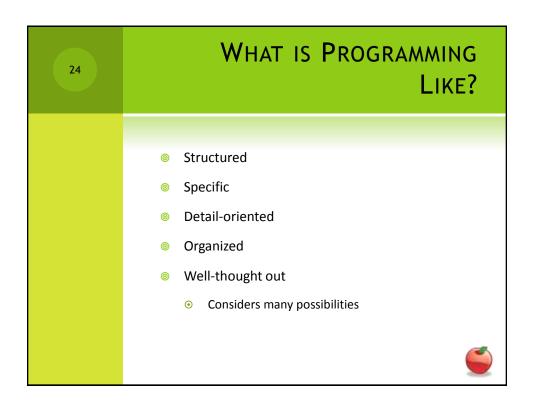
- You need to go to UBLearns and complete the syllabus confirmation "test" that is now available in the course.
- Failure to complete this "test" will render you ineligible to take the third practical exam.
- You have until the end of the day, Monday, January 31, 2011 to complete the "test".

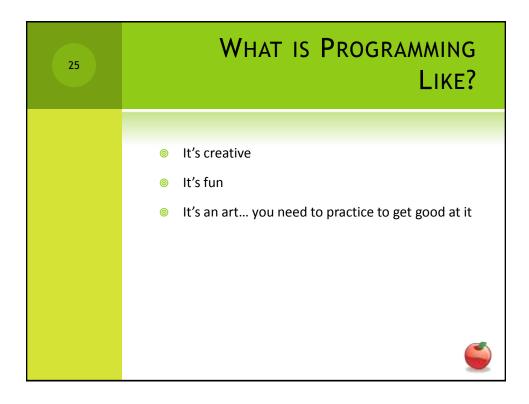


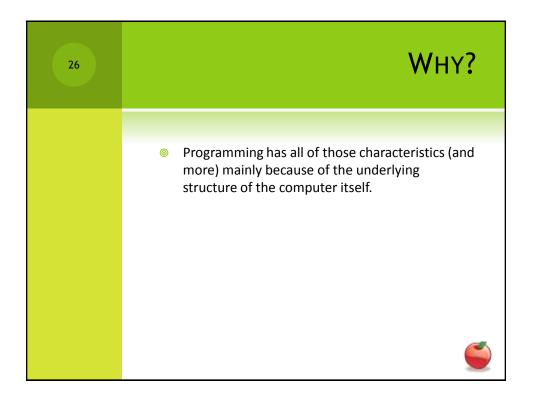






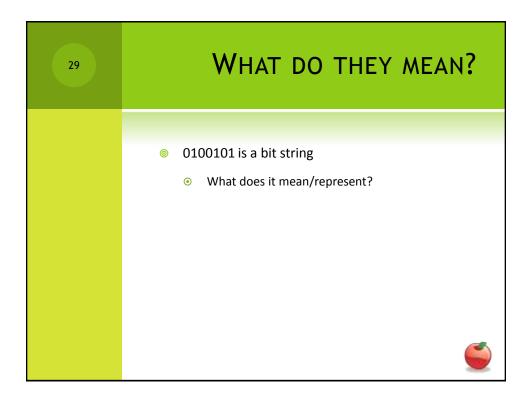


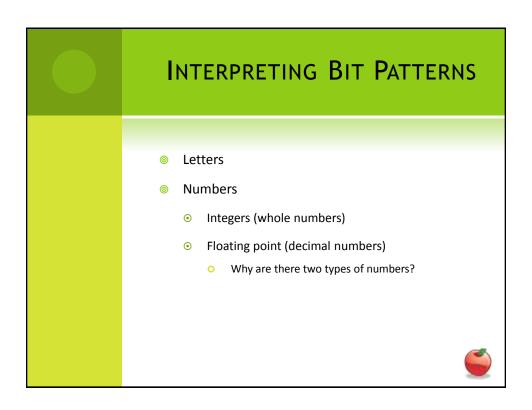




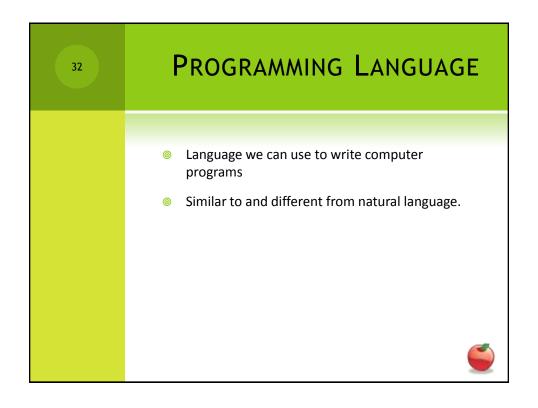
## WHAT DOES A COMPUTER UNDERSTAND? O's and 1's (zeros and ones)

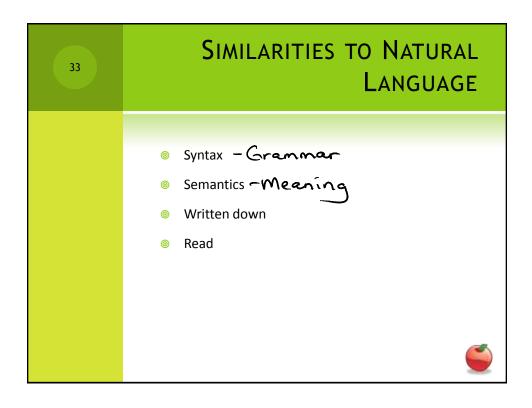
# BITS AND BIT STRINGS The 0 or 1 is called a binary digit (bit). A sequence of bits is called a bit string. Bits together is called a byte 1024 bytes = 1 kilobyte (KB) 1024 kilobytes = 1 megabyte (MB) 1024 megabytes = 1 gigabyte (GB) 1024 gigabytes = 1 terabyte (TB)

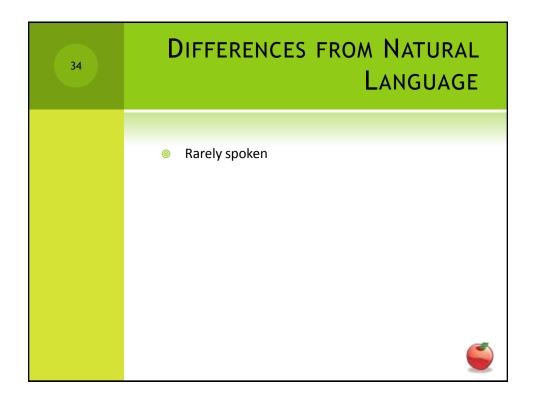




# ENCODING MACHINE INSTRUCTIONS Use bits to encode those as well When we want the machine to follow those instructions: Fetch Decode Execute







Tools
© Editor - Place to type the program
© Compiler -Translator
Execution Environment