## CMSC104

Problem Solving and Computer Programming Spring 2010

Sections 1 and 4 Donald C. Dimitroff

## Contact Information Who am I? Donald C. Dimitroff, M.Ed., M.S.E, M.S. Best way to contact me? Email: dondim1@umbc.edu Office hours: Where? ITE 225 When? Monday and Wednesday 3:45 pm - 5:30 pm or by appointment x53928 (410-455-3928)

## Am I in the Right Class?

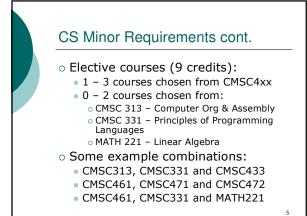
### o CMSC 104

- Assumes NO programming experience
- Prepares you for CMSC 201
- Does NOT count directly towards the CS major
- Meets a requirement for other majors: i.e. Physics, Financial Economics

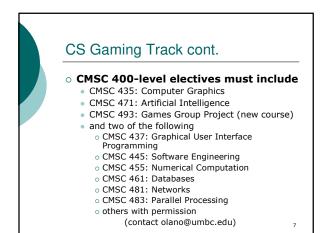
## o CMSC 201

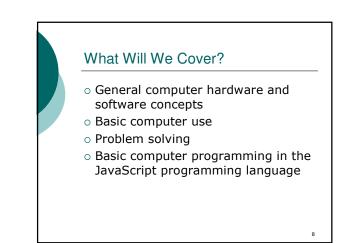
- Assumes some programming experience
- First CMSC course for CS majors
- MUCH more challenging

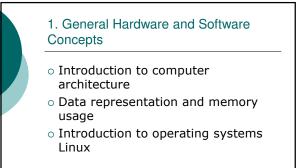
## CS Minor Requirements • Total of 23 credits (7 classes) • Required courses: • CMSC 201 - Comp. Sci. I for Majors • CMSC 202 - Comp. Sci. II for Majors • CMSC 341 - Data Structures • CMSC 203 - Discrete Structures (can use MATH 301 instead)

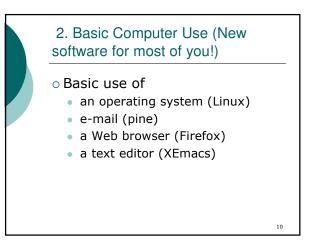












## 3. Problem Solving

- Problem solving and algorithm development
  - general vs. specific solution to a problem

11

- use of top-down design
- use of pseudocode

**A Basic Computer Programming**Oreating and executing a computer program.
Desting and debugging a computer programming language basics.
Introduction to C Programming.

## **Course Information**

On the Web: type the following in a web browser, all on one line

www.csee.umbc.edu/~dondim1/104/cmsc104.html

Refer to this site throughout the semester

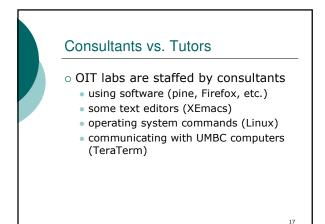
13

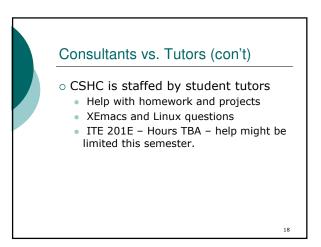
- Announcements
- Due dates
- Assignments
- Changes

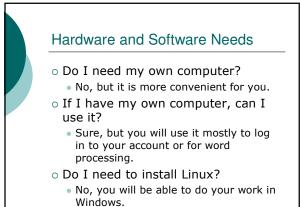


# Computer Science at UMBC Scsee Student Services Office (Advising) 17E 203 - 206 OSHC (Computer Science Help Center) 17E 2018 Dinux Users Group (LUG) http://lug.umbc.edu Onputer Science Council of Majors (CSCM) President Matthew Kalkbrenner mkalk1@umbc.edu

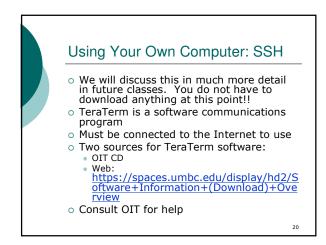








19



## Getting to Know You

- This class has students from many different backgrounds and majors.
   ~15 different majors
- I'd like to find out a little bit about what you know. Please take out a sheet of paper.
  - Name, Major, and Year
  - Why are you taking this class?
  - Something you would like me to know about you...

21