**EECS 233**

***Introduction to***

***Algorithms & Data Structures***

1. **Orientation: Who, what, where, when, how.**
2. **What’s in Chapter 1?**
3. **Homework # 1 introduction**

**The EECS 233 “Franchise”**

**Me**

|  |  |
| --- | --- |
|  | *Who:* Chris Fietkiewicz  *What:* Providing resources to learn  *How:* Best in person (worst by email)  *Where:* Schmitt  *When:* After lecture (Tue/Thu)  or by appointment |

**Teaching Assistant**

|  |  |
| --- | --- |
| *Who:* See Blackboard gradecenter  *What:* Grading, help (email, in-person)  *Where:* TBA  *When:* TBA  *How:* Email address (see gradecenter) |  |

**Supplemental Instruction: Brian Clark**

**You**

|  |  |
| --- | --- |
|  | *Who:* ???  *What:* Algorithms, data structures  *Where:* Schmitt  *When:* Lecture (Tue/Thu),    *How:*   * Homework * Quizzes * Exams * Final Project |

**How: Getting Info**

Website: <http://blackboard.case.edu>

Will have a lecture/reading schedule, slides, homework, solutions.

Textbook: *Data Structures and Algorithm Analysis in Java* (3rd ed), by Mark Allen Weiss, Addison-Wesley, ISBN: 0132576279, 2011.

Textbook resources (source code, errors): <http://users.cis.fiu.edu/~weiss/#dsaajava3>

**How: Attendance**

***Lecture:***For lectures (Tuesday and Thursday), attendance is only required for scheduled quizzes (see schedule) which take place at the beginning of class. Attendance is *not* required for actual lectures on Tuesday and Thursday. However, lecture activities may be collected randomly to check attendance (see “Respect” below).

***Respect:***Except for excused absences, it will be assumed that students who are not present during lecture or lab do not need further assistance with the material covered. Please be respectful and use our scheduled time to seek help. At the end of the semester, grades within 1 point of the next highest letter grade *might* be raised at the instructor’s discretion for students with perfect attendance and perfect assignment completion.

**What...**

*See schedule on Blackboard*

**How: Computers & Software**

*The only requirement is to be able to compile and run Java programs using the standard libraries.*

What’s in Chapter 1?

* + - * + Example: selection algorithm
        + Mathematical series
        + Proofs

induction

counterexample

contradiction

* + - * + Recursion

Homework # 1 introduction

Instructions will be posted by Thursday.