

# ICS 211

## Introduction to Computer Science II

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# ICS 211: Today's plan

- introductions
- course overview

# Introductions

# ICS 211 Course Overview: Overall Contents

- data types and algorithms
- software engineering
- Java and programming

# ICS 211 Course Overview: Data Types and Algorithms

- linked lists, stacks, queues
- binary trees and tree traversal
- sorting and searching
- algorithm analysis

# ICS 211 Course Overview: Contents (2/2)

- software engineering
  - specification and abstract data types
  - design as separate from implementation
  - using existing libraries, re-using code
- Java and programming
  - recursion
  - object-oriented programming
  - programming experience

# ICS 211 Course Overview: Structure

- instructor: Edo Biagioni
  - office: POST 305F
  - office hours: MW 2-3
  - [esb@hawaii.edu](mailto:esb@hawaii.edu), 956-3891
- TA (Jeremy Ong) will give labs and grade homeworks

**Labs start today at 10:30**

- labs are for homework and questions and answers, and sometimes teamwork

# ICS 211 Course Overview: Structure (cont'd)

- labs are for homework and questions and answers
- lectures are to introduce and explain the material
- most of the learning occurs as students do the assignments
- there is to be absolutely no collaboration with others on assignments
  - limited collaboration with other students in this section may be allowed
- more details at the administrative webpage:  
<http://www2.hawaii.edu/~esb/2021spring.ics211/admin.html>



# ICS 211 Course Overview: Structure (3/3)

- the course webpage is at:  
<http://www2.hawaii.edu/~esb/2021spring.ics211/>
- a few suggestions for doing well in this course:  
<http://www2.hawaii.edu/~esb/2021spring.ics211/study.html>
  - in short: (1) be enthusiastic, or (2) learn to (a) program, and (b) master the conceptual material
  - exams may ask you to write code you've never written before
  - read textbook before coming to class