Introductions:

Me: Cinda Heeren - CS PhD, 2004, UIUC

Research interests: data mining, computational geometry

More recently: Discrete Math and Data Structures instructor

Course staff:

You:

All you need to know is here:

http://cs.illinois.edu/class/cs225

Info on:

- Staff
- Communications
- Lab sections
- MPs
- Exams
- Grading
- Academic Integrity

Today's announcements:

HW0 available, due 1/18, in your svn repo.

MP1 available 1/14, due 1/22, 11:59p.

DYB (Siebel 2102):

- Every Tue, 1:30-3:00p (Cinda)

Sections DO meet this week (and are very important).

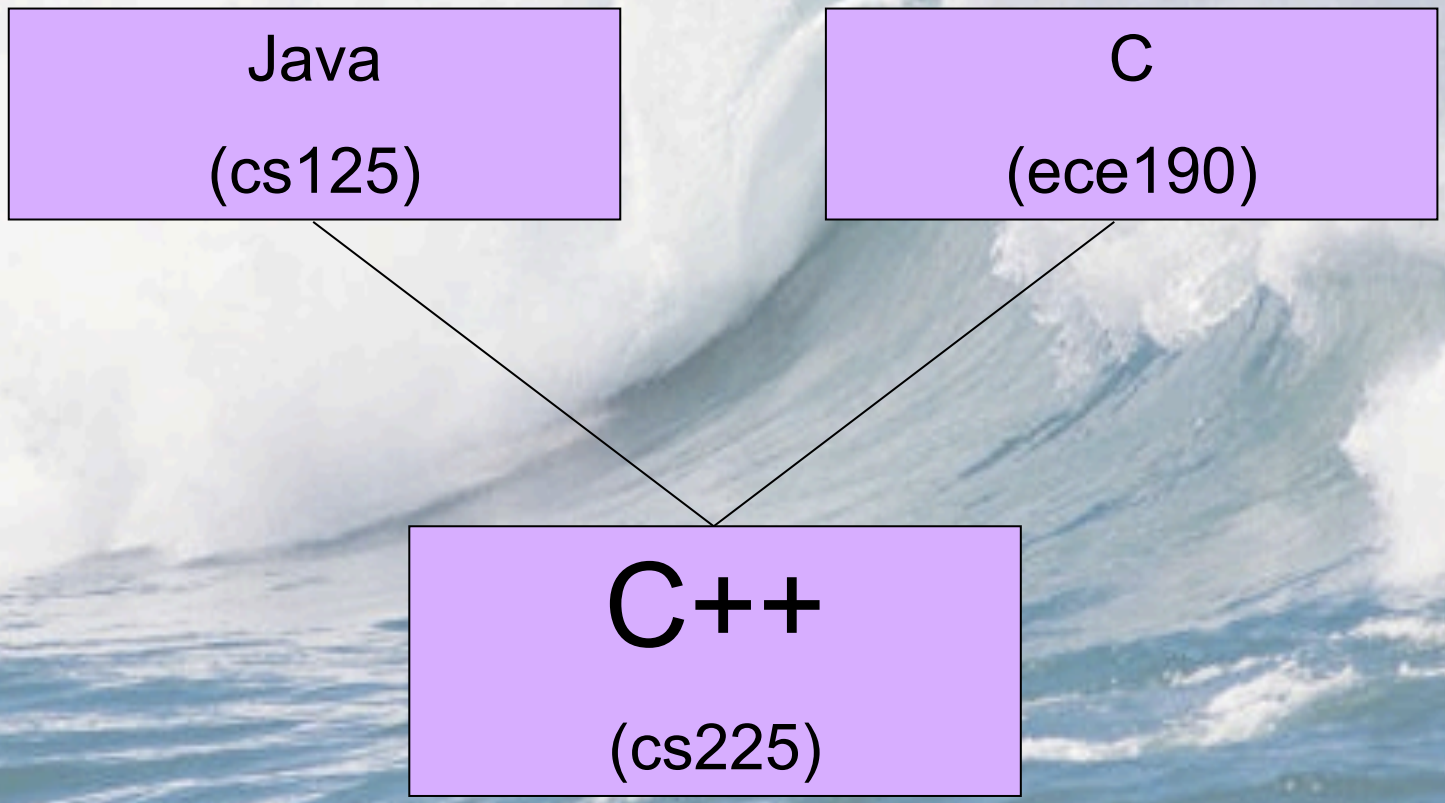

What’s this course about?

Where’s Bill Bindi?

What's this course like?

- A programming and "thinking" course
  - Not an easy course
  - Expect to work hard
- A fundamental computer science course
  - Must know if you claim to be a computer scientist
  - Must know if you want to be a good programmer and designer
  - Essential for many follow up courses

Where did you come from?



Classes in C++:

Every variable has _____, _____, _____, _____

Primitive types:

```
int myFavoInt;
char rating = 'E';
double u = 37.;
```

User defined types:

```
sphere myFavoSphere;
```

_____ is a group of _____ and _____

Structure of a class defn:

how do we implement `sphere myFavoSphere;` ?

```
class sphere{
//member declarations
…




};
```

`sphere` member function definitions.

Structure of a class defn (cont):

```
class sphere{
public:




private:


};
```

`sphere` representation:

`sphere` functionality:

1.

2.

3.

```
int main(){



};
```

Class Definition… where are we?