Introduction

EECS 230

Winter 2017

Who am I? Where is the professor?

- I am a TA, Huayi Zhan

Who am I? Where is the professor?

- I am a TA, Huayi Zhan
- You should already know me from lab

Who am I? Where is the professor?

- I am a TA, Huayi Zhan
- You should already know me from lab
- The professor couldn't be here, but will return next week

Road map

- What's it all about?
- Topics
- Policies
- Academic honesty
- How to get help

What EECS 230 is all about

From the course abstract:

What EECS 230 is all about

From the course abstract:

- "EECS 230 teaches foundational programming skills with an emphasis on professionalism."

What EECS 230 is all about

From the course abstract:

- "EECS 230 teaches foundational programming skills with an emphasis on professionalism." — we only get you for a quarter, so we want you to acquire the necessary professional skills now

What EECS 230 is all about

From the course abstract:

- "EECS 230 teaches foundational programming skills with an emphasis on professionalism." — we only get you for a quarter, so we want you to acquire the necessary professional skills now
- "In order to learn to program, we need a language; our language will be C++, but our focus will be on design and pragmatics, not the language itself."

What EECS 230 is all about

From the course abstract:

- "EECS 230 teaches foundational programming skills with an emphasis on professionalism." — we only get you for a quarter, so we want you to acquire the necessary professional skills now

- "In order to learn to program, we need a language; our language will be C++, but our focus will be on design and pragmatics, not the language itself." — language law is for programming languages enthusiasts (like the instructor), but as programmers we care more about what we can do

What EECS 230 is all about

From the course abstract:

- "EECS 230 teaches foundational programming skills with an emphasis on professionalism." — we only get you for a quarter, so we want you to acquire the necessary professional skills now
- "In order to learn to program, we need a language; our language will be C++, but our focus will be on design and pragmatics, not the language itself." — language law is for programming languages enthusiasts (like the instructor), but as programmers we care more about what we can do
- "Topics include…."

Topics

- Language basics

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics: defining your own types that work like built-in ones

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics: defining your own types that work like built-in ones
- Testing

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics: defining your own types that work like built-in ones
- Testing: how we know software works (professionalism!)

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics: defining your own types that work like built-in ones
- Testing: how we know software works (professionalism!)
- Source control

Topics

- Language basics: expressions, statements, variables, types, assignment, control structures, functions
- Structuring data: structs and vectors
- Errors and debugging: for when things go wrong
- Classes and generics: defining your own types that work like built-in ones
- Testing: how we know software works (professionalism!)
- Source control: We'll use Git to protect our work and collaborate with our partners (professionalism)

Policies

- There will be a homework assignment every week

Policies

- There will be a homework assignment every week
  - Most will be completed with an assigned partner

Policies

- There will be a homework assignment every week
  - Most will be completed with an assigned partner
  - Late work will not be accepted

Policies

- There will be a homework assignment every week
  - Most will be completed with an assigned partner
  - Late work will not be accepted
  - Counts for 70% of your grade

Policies

- There will be a homework assignment every week
  - ‣ Most will be completed with an assigned partner
  - ‣ Late work will not be accepted
  - ‣ Counts for 70% of your grade
- Two exams

Policies

- There will be a homework assignment every week
    - Most will be completed with an assigned partner
    - Late work will not be accepted
    - Counts for 70% of your grade
- Two exams
    - Tuesday, February 7
    - Tuesday, March 7

Policies

- There will be a homework assignment every week
  - Most will be completed with an assigned partner
  - Late work will not be accepted
  - Counts for 70% of your grade
- Two exams
  - Tuesday, February 7
  - Tuesday, March 7
  - Each worth 15% of your grade

Policies

- There will be a homework assignment every week
  - Most will be completed with an assigned partner
  - Late work will not be accepted
  - Counts for 70% of your grade
- Two exams
  - Tuesday, February 7
  - Tuesday, March 7
  - Each worth 15% of your grade
- Mapping of point totals to letter grades is at instructor's discretion

Academic honesty

In EECS 211, we take cheating very seriously.

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▸ Receive help of any kind on an exam (except from an instructor)

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
    - ▸ Receive help of any kind on an exam (except from an instructor)
    - ▸ Give help of any kind on an exam

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▶ Receive help of any kind on an exam (except from an instructor)
  - ▶ Give help of any kind on an exam
  - ▶ Share (give or receive) homework code with anyone who is not your official partner

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▸ Receive help of any kind on an exam (except from an instructor)
  - ▸ Give help of any kind on an exam
  - ▸ Share (give or receive) homework code with anyone who is not your official partner
  - ▸ Obtain code from an outside resource, such as Stack Overflow

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▸ Receive help of any kind on an exam (except from an instructor)
  - ▸ Give help of any kind on an exam
  - ▸ Share (give or receive) homework code with anyone who is not your official partner
  - ▸ Obtain code from an outside resource, such as Stack Overflow
- **Please don't do these things**

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▸ Receive help of any kind on an exam (except from an instructor)
  - ▸ Give help of any kind on an exam
  - ▸ Share (give or receive) homework code with anyone who is not your official partner
  - ▸ Obtain code from an outside resource, such as Stack Overflow
- **Please don't do these things**
  - ▸ If you don't write code, you won't learn; struggle is good

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▸ Receive help of any kind on an exam (except from an instructor)
  - ▸ Give help of any kind on an exam
  - ▸ Share (give or receive) homework code with anyone who is not your official partner
  - ▸ Obtain code from an outside resource, such as Stack Overflow
- **Please don't do these things**
  - ▸ If you don't write code, you won't learn; struggle is good
  - ▸ All cheating will be reported to the relevant dean for investigation

Academic honesty

In EECS 211, we take cheating very seriously.

- Cheating is when you:
  - ▶ Receive help of any kind on an exam (except from an instructor)
  - ▶ Give help of any kind on an exam
  - ▶ Share (give or receive) homework code with anyone who is not your official partner
  - ▶ Obtain code from an outside resource, such as Stack Overflow

- **Please don't do these things**
  - ▶ If you don't write code, you won't learn; struggle is good
  - ▶ All cheating will be reported to the relevant dean for investigation

- If unsure about your particular situation, ask the instructor or other course staff

Getting help

- **In person.** Your course staff has office hours:

  Instructor: Jesse Tov   TBA and by appointment

Getting help

- **In person.** Your course staff has office hours:

Instructor:	Jesse Tov	TBA and by appointment
TA (me):	Huayi Zhan	W 9–11 AM
TA (not me):	Libin Song	Th 3–5 PM

Getting help

- **In person.** Your course staff has office hours:

Instructor:	Jesse Tov	TBA and by appointment
TA (me):	Huayi Zhan	W 9–11 AM
TA (not me):	Libin Song	Th 3–5 PM

  Times and locations and will be listed on the course web page:

  `http://users.eecs.northwestern.edu/~jesse/course/eecs230/`

Getting help

- **In person.** Your course staff has office hours:

Instructor:	Jesse Tov	TBA and by appointment
TA (me):	Huayi Zhan	W 9–11 AM
TA (not me):	Libin Song	Th 3–5 PM

  Times and locations and will be listed on the course web page:

  `http://users.eecs.northwestern.edu/~jesse/course/eecs230/`

- **Online.** Ask questions on Piazza:

  `https://piazza.com/northwestern/winter2017/eecs230`