

Dr. Gina Bai

Spring 2023



Instructor

- Dr. Gina Bai
- rui.bai@vanderbilt.edu
- Office: FGH 381
- Office Hours:
 - Mon/Tue, 1:30pm 3:00pm
 - OR by appointment

Teaching Assistants (TAs)

We have a group of TAs!

- Names, emails, and office hours will be posted on
 Brightspace | Content | Staff | Office Hours
- ALL TA office hours will be held in FGH 201



- https://piazza.com/vanderbilt/spring2023/cs1101
- Preferred communication method
- Class discussions & Questions
 - All questions related to programming assignments
 - You are encouraged to ask questions and answer other's questions
 - NEVER post your code publicly

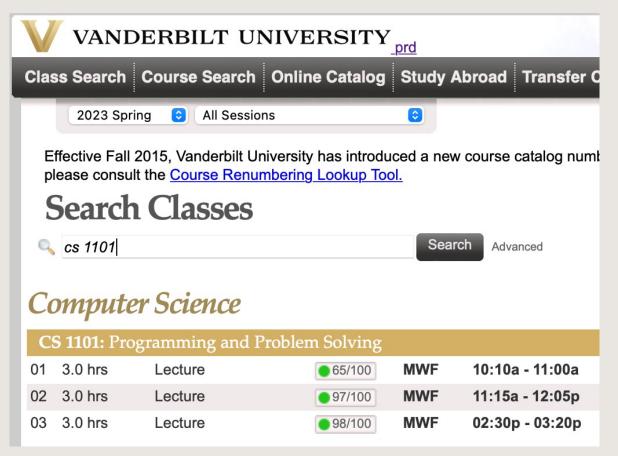
What is computer science?

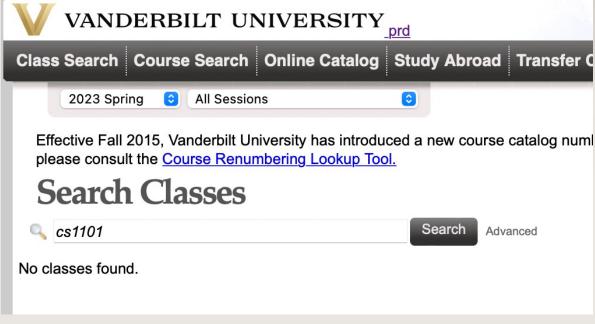
- Computer science is the study of computation
- Computer science and engineering is the systematic study of algorithmic processes that describe and transform information: their theory, analysis, design, efficiency, implementation, and application.

by ACM (Denning, et al., 1988)

Challenges when dealing with computers

Computers have no rational thought.





Challenges when dealing with computers

- Computers have no rational thought.
- Computers require steps of instructions that are very specific.
 - Computer Program: a list of instructions to be carried out by a computer
 - **Programming**: the art of **designing** and **writing** a group of **instructions** that the computer's processor executes.

Challenges when dealing with computers

- Computers have no rational thought.
- Computers require steps of instructions that are very specific.
- Computers do not understand natural languages.

How do we interact with computers?

- Programming languages
 - Allow us to write code that uses mostly English and arithmetic operators
- Compilers and/or Interpreters
 - Translate code we can understand into 0's and 1's that the processors can understand

What will you learn in CS1101?

- Problem-Solving
 - The purpose of writing a program is to solve a problem
- Basics of Java Programming Language
- Concepts of Object-Oriented Programming (OOP)
- Documentation Techniques

Course Resources – Required



Brightspace

Grades, slides, deadlines, announcements, course schedule...



TopHat

In-class activities / Participation

Course Grading

- TopHat Activities 5%
 - Graded based on completion
 - To receive 100% of the grade, you must complete at least 70% of all TopHat activities during class time

Course Resources – Required



1. Sign in or create an account at **learn.zybooks.com**

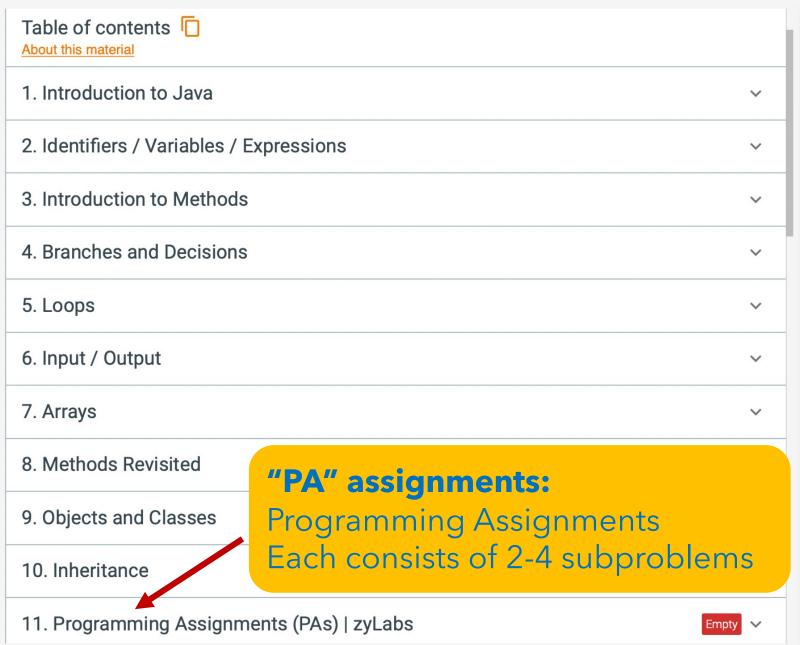
2. Enter zyBook code: VANDERBILTCS1101Spring2023

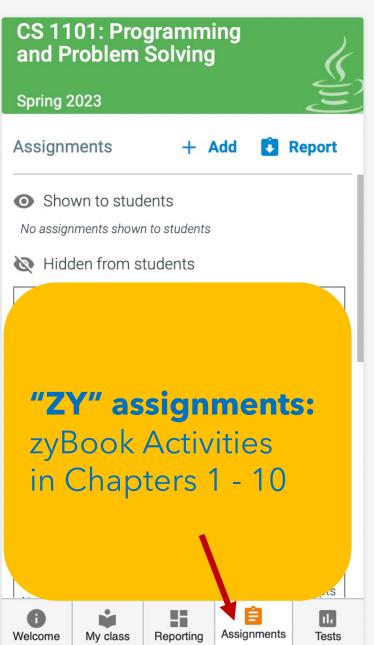
3. Subscribe

Use your **VUnetID** for Student ID

Use your registered Brightspace name and email

Select Section 1 or 2





Course Grading

Assignments

- zyBook Activities (Participation & Challenge) 10%
 - "ZY"s, ~10 in total
 - Graded based on completion
 - To receive 100% of the grade, you must complete at least 90% of all zyBook activities
- Programming Assignments 45%
 - "PA"s, ~11 in total
 - Graded based on correctness

Late Work Policy

- zyBook Activities
 - No late submissions are accepted without a Dean's Notification
- Programming Assignments
 - Penalty
 - 20% for (0, 24] hours late
 - 50% for (24, 48] hours late
 - Assignments will be accepted late up to 48 hours

Late Work Policy

FOUR free late days for **Programming Assignments** ("PA")

- One late day extends a deadline by 24 hours
- Regardless of the use of free late days or not, no submissions will be accepted 48 hours after the due date
 - That is, we only allow UP TO TWO late days per assignment
- Two free late days are given at the beginning, the remaining two will be given at the start of Week 8

Additional Support - Optional Recitation Sessions

Starting from the week of Feb 5th

- Tuesdays and Wednesdays | 4:15 5:15pm, 5:30 6:30pm
- Stevenson 5306
- More info to come in late January
- They are NOT "TA office hours"
 - Will be led by TAs
 - Smaller groups & hands-on experience
 - Debugging, problem-solving...
 - Review, discuss, practice, and Q&A

Exams & Course Grading

- Exams
 - Midterm 1 10%
 - Wednesday, Feb 08, In-Class
 - Midterm 2 15%
 - Wednesday, March 22, In-Class
 - Final 15%
 - Friday, April 28, 7-10pm, Common Exam

Exam Make-up Policy

- Midterms
 - Makeups only for serious (documented) reasons
 - A student sending an email does not constitute permission
 - Otherwise, 20% 100% penalty may be assessed
- Final
 - NO alternate dates

Course Resources – Required



codePost

Assignment grading



Gradescope

Exam grading

Grading Disputes

- Regrade requests MUST be submitted within TWO weeks after grades are released
 - Where do I find the grades?
 - For assignments, visit codePost
 - For exams, visit Gradescope
 - Who do I contact about the grading disputes?
 - For assignments, contact TAs
 - For exams, contact your instructor

Academic Integrity

ALL violations will be reported to the Honor Council

Read the **Academic Honesty Policy** (Brightspace | Content | Course Documents) carefully for examples of academic misconduct in CS1101

- Cheating
- Plagiarism
- Aiding & Abetting
- Destruction of Academic Materials

Protect yourself

- Do not leave your workstation and/or laptop unattended or forget to log yourself out
- Do not email, ftp, or post your code on the Internet, message boards, etc.
- Do not discuss implementation details of individual assignments with your peers
- •
- Ask the instructor for clarification of any questions or concerns about academic integrity policies before submitting an assignment

TODOs After Class

- Purchase your zyBook subscription We start this week!
 - Sign in or create an account at learn.zybooks.com
 - Enter zyBook code: VANDERBILTCS1101Spring2023
 - Subscribe

TODOs After Class

- Complete Homework 0-A and 0-B by Friday, 01/13, at 11:59pm
 - On Brightspace | Content | First Week
 - HW0-A
 - Read the Academic Honesty Policy (under Content | Course Documents)
 - Must receive all 10 pts to be considered for completing the quiz
 - HW0-B
 - An informal student survey

Assignments will not be graded if you haven't completed Homework 0-A and 0-B