

Instructor Kickoff

Welcome to Flatiron School!

// FLATIRON SCHOOL



Agenda

- Warm-up & Introductions
- Your Support Team
- Program Tools
- Program Structure & Schedule
- Setting Yourself Up For Success

Warm-up

- Introduce yourself:
 - Name
 - Pronouns
 - Where you are located
- Share a book, podcast, movie, or TV show you've enjoyed recently.

Your Support Team

// FLATIRON SCHOOL

I'm your instructor 🙋

What I do:

- Conduct sessions on core curriculum
- Administer and grade assessments
- Deliver feedback on coursework and progress

**Daniel
Burdeno**

He/Him



Your Support Teams



Technical Support:

- **Instructors:** Deliver lectures, conduct assessments, and provide feedback on coursework and progress
- **Pair with a Technical Coach:** Support on labs and projects (nights and weekends only)

Non-Technical Support:

- **Student Advisors:** One-on-one support during your program
- **Career Coaches:** One-on-one support after graduation
- **Community Team:** Slack channels, newsletters, and events to help you connect with others and build your network

The Squad



**Angelica (Jelly)
Spratley**



**Daniel
Burdeno**



**David
Elliott**



**Praveen
Gowtham**



**Brendan
Hutchinson**



**Joseph
Mata**

Instructors and Technical Coaches

- Able to support during specified hours
 - Instructors = Work day
 - Technical Coach = Nights and weekends
- Exceptions include meetings, supporting events, lunch, and prep time.
- Instructional team will give you constructive feedback on code and professional skills.
 - They will not necessarily hand you the answer
 - but they'll guide you.



Program Tools

// FLATIRON SCHOOL

Discord

Important channels to know:

#ds-ntl-062623

#all-about-data

#announcements

#events

Reminders:

Update your server profile:

- Photo (optional!)
- First name and last name
- Get roles!

Complete your onboarding (visit [Server Guide](#))

Download the desktop app!



Our Code of Conduct applies to Discord. This is a part of our community but we can't be everywhere at once. Please let us know if you're ever uncomfortable with something that was said or the way something was said.

Canvas

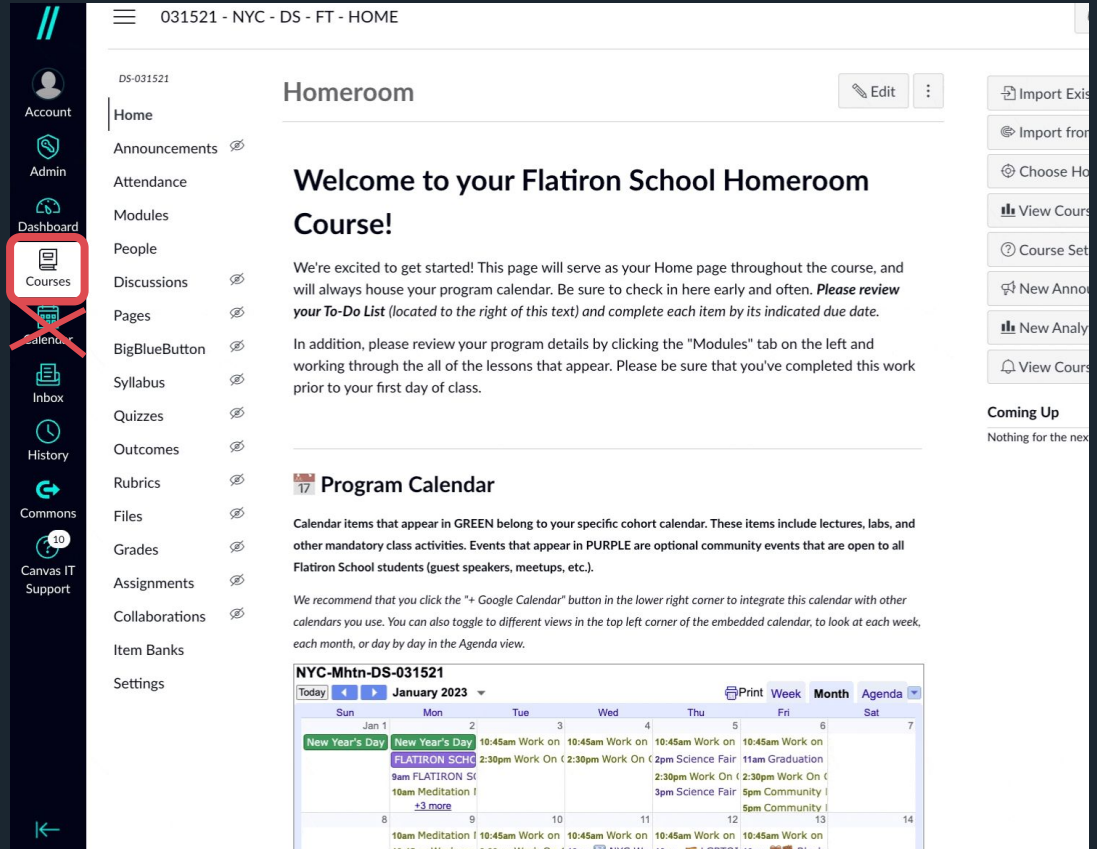
Flatiron School uses Canvas, a learning management system, to deliver our program and technical content.

Homeroom Course

General information, resources, and your calendar

Phase Courses

Lessons, labs, assessments, and blogs



The screenshot shows the Canvas LMS interface for the course '031521 - NYC - DS - FT - HOME'. The sidebar on the left contains links to Account, Admin, Dashboard, Courses (highlighted with a red box and a red 'X' over it), Calendar, Inbox, History, Commons, Canvas IT Support, and a back arrow. The main content area is titled 'Homeroom' and includes a 'Welcome to your Flatiron School Homeroom Course!' message. Below the welcome message, there is a 'Program Calendar' section with a calendar view for January 2023. The calendar shows various events, including 'New Year's Day', 'Flatiron School', and 'NYC Mhntn-DS-031521'.

031521 - NYC - DS - FT - HOME

DS-031521

Home

Announcements

Attendance

Modules

People

Discussions

Pages

BigBlueButton

Syllabus

Quizzes

Outcomes

Rubrics

Files

Grades

Assignments

Collaborations

Item Banks

Settings

Homeroom

Welcome to your Flatiron School Homeroom Course!

We're excited to get started! This page will serve as your Home page throughout the course, and will always house your program calendar. Be sure to check in here early and often. **Please review your To-Do List** (located to the right of this text) and complete each item by its indicated due date.

In addition, please review your program details by clicking the "Modules" tab on the left and working through the all of the lessons that appear. Please be sure that you've completed this work prior to your first day of class.

Program Calendar

Calendar items that appear in GREEN belong to your specific cohort calendar. These items include lectures, labs, and other mandatory class activities. Events that appear in PURPLE are optional community events that are open to all Flatiron School students (guest speakers, meetups, etc.).

We recommend that you click the "+ Google Calendar" button in the lower right corner of the embedded calendar, to integrate this calendar with other calendars you use. You can also toggle to different views in the top left corner of the embedded calendar, to look at each week, each month, or day by day in the Agenda view.

NYC-Mhntn-DS-031521

Today January 2023

Print Week Month Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 New Year's Day	2 New Year's Day	3 10:45am Work on	4 10:45am Work on	5 10:45am Work on	6 10:45am Work on	7
8 10am Meditation I	9 10am Meditation I	10 10:45am Work on	11 10:45am Work on	12 10:45am Work on	13 10:45am Work on	14

FYI: Here's your calendar!

Pair with a Technical Coach

What?

- General comprehension
- Technical support for platforms and applied learning tools
- Getting “unstuck” in labs
- Cannot help with anything assessment-related

When?

Nights and weekends:

- Weekdays: 6pm - midnight ET
- Weekends: 9am - midnight ET

How? Zendesk chatbot in Canvas

The image shows a Canvas LMS interface. The main content area displays the course '2021-07-SENG-FLEX-PHASE-1' with a sidebar menu on the left containing links like Home, Announcements, Assignments, Discussions, Grades, People, Pages, Syllabus, Outcomes, Quizzes, Modules, BigBlueButton, Collaborations, Attendance, New Analytics, and Item Banks. The main content area shows a list of modules, including '[Flex Only] Prerequisite', '[Flex] Phase 1 Prerequisite', 'Welcome to Phase 1', and 'Phase 1 Syllabus: Flex Program .20 Week Pace' through '.60 Week Pace'. A 'Start chat' button is visible in the bottom right corner of the main content area.

On the right side, there is a chat window titled 'Pair with a TC'. The chat window has a dark header with the title and a minus sign. Below the header, there is a form with the following fields:

- Name:** A text input field containing 'Brigid'.
- Email:** A text input field containing 'brigid.oconnor@flatironschool.com'.
- Choose Your Discipline:** A dropdown menu with 'Software Engineering' selected.
- Message:** A text area containing the message: 'Hi! Could use a little help on where to start with the React Controlled Components Lab. I understand the concepts but having a tough time with first steps. GitHub repo is: <https://github.com/leanmartinstudio/react-components-lab>'.
- Start chat:** A button located at the bottom right of the chat window.

An orange arrow points from the 'Start chat' button in the main content area to the 'Start chat' button in the chat window. A red box highlights the 'Chat' button in the bottom right corner of the main content area.

Expectations when working with our TCs:

What Students Can Expect from TCs

- There will likely be a wait time.
- Screen sharing and pair programming.
- You likely won't work with a TC all the way through to completing a lab or a final solution. You can always pop back in if you get stuck again!
- The TC team syncs up with the rest of the instructional staff at Flatiron School to share feedback.

What TCs Expect from Students

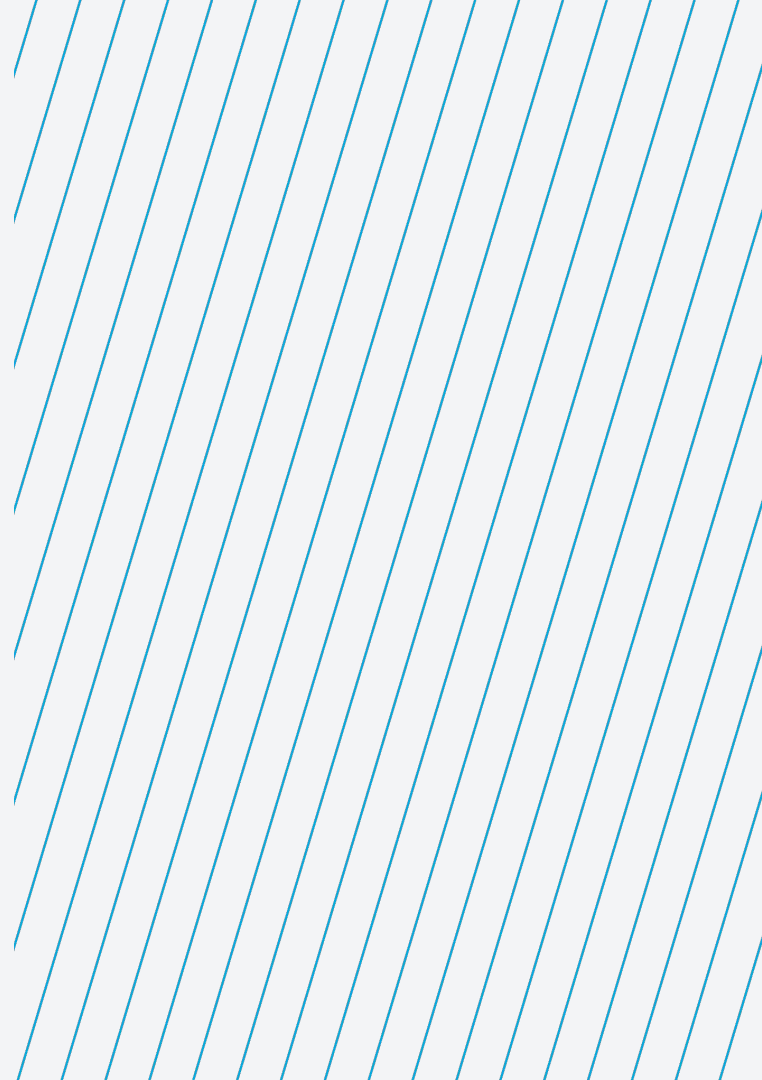
- **Be kind.** We know you might be frustrated or under stress, and we are here to help you succeed.
- **Be patient.** We support a lot of students, and it's hard to predict wait times. We're working as diligently as we can to get through the queue.
- **Be collaborative.** We aren't going to code for you, or give you the answers straight away. It's all a part of the learning process!

You should **ONLY** use Pair with a TC on weekdays (6pm - midnight EST) and weekends (Saturday and Sunday 9am - midnight EST).

DO NOT USE DURING SCHOOL HOURS!

Program Structure & Schedule

// FLATIRON SCHOOL



Program Timeline

Phase 1

Weeks 1-3

Data

Engineering

Phase 2

Weeks 4-6

Statistics

Phase 3

Weeks 7-9

Machine

Learning

Phase 4

Weeks 10-12

Advanced

Topics

Phase 5

Weeks 13-15

Capstone 🎉

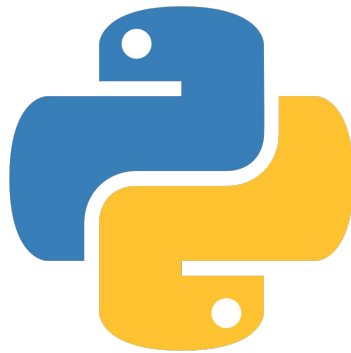
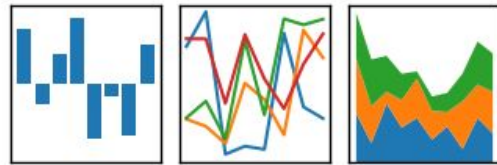
Curriculum Overview

Phase 1

- Coding in Python
- Data Manipulation and Analysis
- Data Gathering

pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



Curriculum Overview

Phase 2

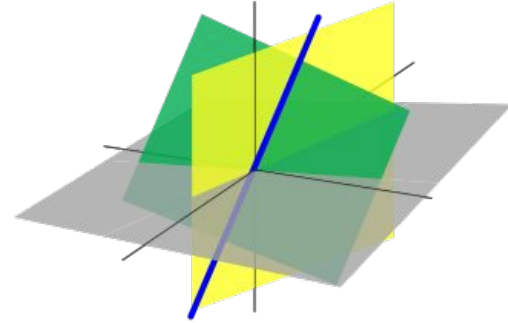
- Coding in SQL
- Statistical Modeling
- Simple Linear Regression



Curriculum Overview

Phase 3

- The Math behind Machine Learning
- Classification Algorithms
- Building Modeling Pipelines



Curriculum Overview

Phase 4

- Recommendation Systems
- Natural Language Processing
- Neural Networks



Curriculum Overview

Phase 5

- Capstone!
- 2-3 Week Solo
- Project of choice



The Next 15 Weeks

Lessons and Labs

Learn the fundamentals. **You do NOT need to complete all labs and lessons** - but going through most is essential to passing the code challenges and creating projects.

Blogs

Each phase you will write a technical blog to practice technical writing and communication skills. These also bolster your online presence for the job search. **(Required!)**

Code Challenges

Week 2 of phases 1-4 you will take a code challenge. Each student gets a second attempt to pass a different code challenge in the event they fail the first attempt. **(Required!)**

Projects

In week 3 of phase 1-4, you will build a project to practice all of the concepts from the phase and build your portfolio for the job search. Phase 5 consists of 3 weeks to build a cumulative capstone project. **(Required!)**

Plagiarism & Cheating

Lessons and Labs

Remember that you're here to learn and while you can use any resource you desire, copy/pasting code doesn't help you prepare for assessments, interviews, or jobs.

Blogs

Don't plagiarize! Using another entity's work without attribution is plagiarism!

Code Challenges

Allowed:

- Canvas labs, lessons, and lectures
- Your own notes, previous labs, or reviews

Not Allowed:

- Messenger apps
- ChatGPT and other AIs

Projects

Don't plagiarize! Using another entity's work without attribution is plagiarism!

If using code from another source, it needs to be sighted and you need to understand how it is being used.

Get your blog on!

- Approximately 5 minute read
- Published online
- Technical or tech related subjects
- 4 published blogs in order to graduate



DEV



Medium

// FLATIRON SCHOOL

Setting Yourself Up for Success!

// FLATIRON SCHOOL

This isn't like high school or college!



Teaching Methods

- 1:1 instructional sessions
- Office hours
- Lectures (live and recorded)
- Curriculum (lessons and labs)

Student Responsibilities

- Attending and watching Lectures
- Canvas course completion
- Blogs
- Code Challenges
- Projects

Professional Development

- Online branding (LinkedIn)
- Resume and portfolio building
- Networking

Personal Empowerment Protocol:

1. Read the error

2. Google the problem

3. Ask a peer

4. Ask an instructor

- This is an important framework in general for debugging / working through problems.
- Remote learning makes it even more vital!
- Reading errors, looking up problems, and collaborating with peers are essential skills.
- Get practice with them before asking us!

Imposter Syndrome



// FLATIRON SCHOOL



Any questions?



For the rest of today...

Now: Data Science Toolkit Lecture!

- Then jump into canvas
- Environmental setup
- Terminal and Git

1:00 pm: Lunch Break

3:00 pm ET: Into to Terminal Lecture!

5:00 pm ET: Program Orientation

6:30 pm ET: Stand Down

Get stuck? Post in our cohort Discord channel!

