Module 2 Announcements

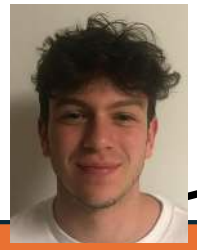
Sarah Groves

2/17/2026

Module 2:



Directors of Product Development



Sam



Micaiah



Katrina



Hudson

Engineers

Elmqvist	
1	Kaitlyn Cole
	Jake Carnell
2	Priya Shan
	Owen Sines
3	Aryan Mhaskar
	Lauren McElfresh
4	Jack Marchesi
	Yancy Martinez Alfaro
5	Abhiram Ruthala
	Tahseen Azad
6	Conner Looney
	Delaney Broderick

Langer	
1	Tomas Daniel
	Theresa Breckley
2	Kai-Tang Tseng
	Makayla Adams
3	Karinna Fink
	Roy Chen
4	Sara Elster
	Dani Folks
5	William Marschall
	Reagan Oswald
6	Mohamed Elfaki
	Isabel Vikesland

Kamen	
1	Christian Grosso
	Vish Ramineni
2	Kat Horn
	Kiran Spencer
3	Luke Friscola
	Christina Johnson
4	Isabella Imburgia
	Amelia Luongo
5	Grace Lee
	Zain Abed
6	Isabella Orlando
	Hayden Rue

Fung	
1	Molly Janousek
	Dane Wleklinski
2	Makayla Adams
	Kidus Belay
3	Eunela Manzano
	Ashley Hayden
4	Oge Ikem
	Megan Sullivan
5	Asma Sannulah
	Melis Ozdemir

▲ ***Oral Presenters for Module***

Module 2: Skills you will learn/apply

Biology & Medicine

- Virus biology
- Immune system: innate and adaptive immunity
- Epidemics & parameters describing the spread
  - R0
  - Prevalence
  - Incidence
  - Transmission rate
  - Incubation rate
  - Recovery rate

Math

- Optimization/parameter fitting
- Solving ODEs with numerical methods (Euler's method)
- Predicting into the future
- Error calculations

Coding

- Using pandas with a csv dataset
- Scatterplots and line plots from model data
- Writing functions for solving systems of ODEs

GitHub plan for the rest of the semester

- We are sorry you were the guinea pigs for GitHub Classroom and it didn't work well!
- We still want to encourage GitHub use
- Modules 2-4 will utilize GitHub repos the way *you normally would in the future*
  - You make or fork a repository and share it with collaborators
  - You contribute to this by pushing and pulling (you all are becoming pros at this!)
  - You can use your own branch if you want, but not required in this class
  - You will submit the repo as your final project, which will include python files, your ipynb file, and a pdf version of the notebook
  - You can include a README: for this class, use this as a space to ask TAs/instructors questions, get help or advice, etc. or keep notes for your partner

Homework for Thursday

- Fork my Module 2 code into a PUBLIC github repo with your partner by following the instructions on Canvas (video tutorial and step-by-step instructions)
  - This will give you all the files you will need, a project structure, and an ability to easily get more files from me as I upload them!
- The link should be submitted as the Module 2 Repository assignment in Canvas by Thursday 12:30pm
- Finish your code from class today and add the files to your repository