Review of Part Two

Please seat yourselves in every other row so the NINJAs and instructors can circulate easily among you.

Today's Agenda

Today we'll review Part Two of the course, and pivot fully into the second project.

Solving Differential Equations

What are the advantages of an analytic solution to a differential equation? What are the advantages of a numerical solution?

Models and Their Regimes

Rank the following models from solidly "in-regime" to problematic. (Write a number from 1–4 next to each blank.)

___ The SIR model of infectious disease

___ Newton's law of cooling for a coffee cup

___ The glucose minimal model

___ The HIV model

Chapter 19

Write notes here related to the Chapter 19 / Part Two review.

Project 2 Update

Since Tuesday, what progress have you made on Project 2? If you have changed your proposal or direction in some way, include that in a brief progress note.

Reflection Question

What does iteration mean to you when you think about learning?

Next Steps

Before class on Monday or Tuesday, please do the following things:

- ☐ Write your name here: _____
- ☐ Write your team number here: _____
- ☐ By tonight: Scan this worksheet and submit it on Canvas.
- ☐ By Sunday night: Prepare for your project check-in by completing the first two pages of the Project 2 Check-In worksheet (handed out in the auditorium today).[1]
- ☐ If you are on Team 1–7, meet in the studios on MONDAY. If you are on Team 8–15, meet in the studios on TUESDAY. **Bring your completed Project 2 Check-In worksheet and any other relevant materials with you**.

[1] You can work together with your project partner on this, but each of you should do your own worksheet. You do not need to scan and submit it until after your check-in.