

4. Cardiac Function and Metabolic Ceilings

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This week we will learn more about cardiac morphology, function, and regulation. There are multiple very short (but important) readings, and some longer readings to skim. Don't worry about understanding every detail in the readings, but rather look over the discussion questions first and hunt through the readings for those topics, skimming over the rest. *These are going to be important topics for the next few labs.*

Pre-class materials

Read ahead

Before class, you can prepare by reading the following materials:

1. Tuesday we will finish heterothermy and start cardiac function. [[Heart Discussion Questions and readings](#)]
2. Thursday we use part of class to discuss a paper on Metabolic Ceilings [[discussion](#)]

Announcements/Reminders

- Please wear **comfortable shoes to lab** for running up and down stairs.
- HW1 solutions are posted on window of EDM101 lab.
- HW2 due in class (hard copy preferred)
- [[Design Background](#)] Due **Wednesday in hardcopy**. 10 points. Chance to revise by Friday.

Week 4 Discussion Groups

Group	Partner 1	Partner 2	Partner 3
1	Hao	Abby	Ilan
2	Christian	James	Sean
3	Ashton	Joshua	Tamako
4	Kylee	Veronica	
5	Adam	Mohamad	Vivian

Tuesday

- Finish up Heterothermy [[questions 2-4](#)] [[slide deck](#)]
- Begin Cardiac Cycle [[slide deck](#)] [[discussion](#)]

Thursday

- Cardiac Function/Regulation continued
- Design 1 chat

For Next Week

1. Design 1 draft due on Monday 9/23 by 5pm. [[assignment](#)] [[pdf](#)] [[turn in](#)]
2. Next Lab session: Design 1 peer critique session [[assignment](#)]
3. Please fill out the TEAMMATES evals, released on Thursday, due by MONDAY. (check your email)