

Computing as a Teammate in Healthcare

Preparation

- Email students the recommended reading on [Healthcare Meets Human-Centered Computing](#) (at least 3-4 days before the session)

- *Hi [your team name],*

I am sharing with you the article that we will be reading parts of at the beginning of our next session. It is recommended (not mandatory) to glance through it before class but make sure you save the article and bring it to our session on [date]. No worries if things don't really make sense, we will talk more about it in the next session. Hope you find it interesting, see you soon!

[Healthcare Meets Human-Centered Computing](#)

*Best,
[Your name]*

- Organize [discussion strategies](#) to use to facilitate conversation

Goals and Outcomes: PACE-internal

- Introduce a topic that is interdisciplinary solving human problems, particularly at the intersection of healthcare
- Facilitate a productive discussion that allows students to think critically and discuss how computing can be utilized as an ally for humans rather than as a replacement

Goals and Outcomes: Student-facing

- I will learn about the research being done in the CSE department at the intersection of healthcare and computing
- I will engage in a discussion that assesses how this possibility can be beneficial and what it means for improving healthcare

Script

First acknowledge that it is awesome for the students if they had a chance to look at the text, and no worries if not.

Ice Breaker (5 minutes)

- Facilitate a discussion ([refer to discussion strategies](#)) around the following question(s):
pick ones you see fit, feel free to add others
 - Do you all think doctors should be replaced by robots? Why or why not?
 - What about surgeons? (etc. where there may not be as much patient/doctor interactions)
- Good opportunity to have cohorts write on board, walk around etc.

Watch Video (5 minutes)

Play [this video](#) on the screen to briefly introduce the topic we will be discussing today

Recap Video Discussion (5 minutes)

- Facilitate a discussion ([refer to discussion strategies](#)) around the following question(s):
pick ones you see fit, feel free to add others
 - What do you all think about the perspective provided by Dr. Rick about technology being thought of as an ally, not a tool nor replacement for humans?

Read text (10 minutes)

Provide student 10 minutes to read the article: [Healthcare Meets Human-Centered Computing](#)

- Consider doing paired reading
- Consider doing entire cohort reading
- if students feel comfortable, LPM could also do popcorn style reading: a classroom practice in which students go around the room taking turns reading a text out loud

Discussion (10-15 minutes)

Facilitate a discussion ([refer to discussion strategies](#)) around the following question(s): pick ones you see fit, feel free to add others:

- In the *By Design* section of the article, it is mentioned that Dr. Weibel had one of his students spend a year in the ICU to learn about their issues first-hand, before incorporating augmented reality into the environment.
 - Why did he suggest the student do this?
 - Why do you think augmented reality was not a good fit in this environment?
- Do you think patients would be hesitant to know that doctors are possibly relying on technology like these to work?

If you are interested in to work like this checkout [The Design Lab](#)

Post-session

- Check in with the student(s) who you noticed might need more support during session (e.g. Looked overwhelmed/lost etc)
- Fill out the [LINK]
 - What activities did you do
 - How did they go
 - Could ask what their favorite part of the session was
 - Any concerns