

Robotics 204: Introduction to Human-Robot Systems
Winter 2025

Lab Title: Semi-structured Interviews to Inform Robotic Design Thinking

Submission Type: Individual submission. Each individual in your group should copy this document and record their answers. Check the rubric to make sure you have submitted all that is required.

Week 1

Part 1: Designing questions for a stakeholder interview

Deliverable: Initial list of questions that support encouraging sharing of specific experiences, includes follow up questions, and supports writing your problem statement.

Initial list of questions ideated:

Part 2: Testing your questions with peers and refining an interview script

Deliverable: Provide your team's combined script for running the interview, as well as reflection on the iteration

Interview Script:

Reflection on question iteration with your team:

Week 2

Part 3: Interviewing the nurses

Deliverable: None

Part 4: Reflection on the conversations with the nurses

Deliverable: Individual reflection responses to the questions below.

1. Provide a summary of what you learned from each nurse you spoke with that includes information about their job, the technology they use, what they find most rewarding, and what they find most challenging. Briefly summarize what you know about the other nurses who spoke with your peers.

2. Where do the nurses think robots might be most useful or interesting? What are their concerns about integrating robots into a hospital setting?

3. What opportunities seemed most interesting to you? Why were those interesting to you? What concerns do you have about integrating robots into a hospital setting?

Grading Rubric

The following rubric will be used to grade your submission.

Required Deliverables	Points
<p>Part 1:</p> <p>Questions are provided and include questions that elicit</p> <ul style="list-style-type: none"> ● A work shift for a nurse and the tasks they take on ● The types of technologies they use for their job ● Challenges they face ● Parts of the job they enjoy ● Concerns they may have for robots in their workplace. ● Opportunities they may see for robots in their workplace <p>Questions support sharing and specificity.</p> <p>Sample follow-on questions are included that support understanding.</p>	<p>12 pts for the questions (2 pts for each bullet addressed)</p> <p>3 pts for questions supporting sharing and specificity</p> <p>3 pts for example follow-on questions</p>
<p>Part 2:</p> <p>A combined script is provided that includes a team introduction, nurse opportunity for introduction, compiled team questions, and summary opportunity.</p> <p>Reflection on the iteration process</p>	<p>3 pts for team introduction in the script</p> <p>3 pts for nurse intro opportunity</p> <p>4 pts for relevant set of compiled questions</p> <p>3 pts for summary noted in the script</p> <p>3 pts reflection on iteration process with team</p>

Part 3: There is no deliverable for this part	N/A
<p>Part 4:</p> <p>A summary of what was learned from the nurses is provided and covers:</p> <ul style="list-style-type: none"> • Information about each of their jobs. • The technology they use. • What they find most rewarding. • What they find most challenging. <p>A summary of the nurses perspectives on robots in a hospital setting, including where they had enthusiasm and concerns for robots.</p> <p>Student's perspective on what opportunities they see for robots in the nurse's workplace and justification for why they were selected, as well as concerns the student has for robots in the hospital environment..</p>	<p>4 pts for describing the nurses jobs</p> <p>4 pts for describing the technology they currently use</p> <p>4 pts for describing what nurses find rewarding about their job</p> <p>4 pts for describing what nurses find challenging about their job</p> <p>4 pts for comments on where/why nurses were enthusiastic about robots</p> <p>4 pts for comments on where/why nurses had concerns about robots</p> <p>4 pts for stating what is interesting to the student</p> <p>4 pts for describing why it is interesting to the student</p> <p>4 pts for the concerns the student has</p>
Total Points Available	70 pts