

Oral Presentation 1 (OP1): Circuit Development Update

Presentation: week of February 26th, 2024

Grade Value: 14% of final grade (individual mark)

What is the purpose of OP1?

This presentation will serve as an update on the progress you've made on your circuit design from your paper design in WD1 to the present. The purpose of this presentation is twofold:

1. Explain your current subsystem design to a product manager (proxied by your CI). **
2. Persuade your CI that your team is on the right track

Presentations are ephemeral, so one major key to success is to capture your audience's attention, keep it, and ensure they leave the presentation having retained your main idea. When planning your presentation, determine what your main message should be. Use this message to guide the rest.

**For more on a product manager's role, see OP1 Slides in the week 06 module on Quercus.

What is the expected content for OP1?

The presentation will require that you:

1. Explain what your module does and why it's important in the grander scheme of the radio (using principles from MTS)
2. Explain why you believe your design will perform well, addressing some of the following:
 - a. Choice of specific subsystem architecture and overarching approach to design (i.e. simplicity, efficiency, etc.), pointing out contending designs that were ruled out. Discuss any design trade-offs or other challenges that you faced.
 - b. Key requirements
 - c. Part choices and justification
 - d. Inputs and outputs
3. Explain your next steps toward designing your subsystem and integrating it with the complete radio, addressing any expected or perceived challenges. Convince your audience that you are on track.
4. Q&A period

What is the presentation logistics for OP1?

Presentations will take place in-person during your tutorial block. Your audience will include your CI and the other teams who are presenting during your tutorial block.

Complete slides for your presentations must be submitted on Quercus by **Wed February 28, 9:00am**.

Timing: Your team presentation will be 8-10 minutes followed by a three-minute question and answer period with assigned teams in the audience. Each team member is expected to present for an equal amount of time during the presentation. There will be a hard cut-off at 10 minutes with a warning signal provided by the CI at the 9-minute mark.

Responsibilities: All team members are expected to contribute equally. Support your presentation with slides and a natural (unscripted) delivery. Teams in the audience will be responsible for providing peer feedback to selected other teams during the presentation. Q/A and peer feedback will contribute to your participation mark.

References: Cite any references you use at the bottom of your slides or with a numerical citation and a concluding “References” slide.

Grading: Team Grade (50%) + Individual Grade (50%)