

Guidance & Deliverables for Final Design Oral Report

14 May 2013 from 1500-1800 in TH466

- This guidance is for the Oral Report only.
- Your oral presentations will be approx. 1 hour in length. During that time, I will expect to see in-class live demonstrations of your ChemCAD simulations. I will spend as much time on that as possible. Therefore, your powerpoint slides are limited to the following:
- Process Chemistry – Required, 2 slide limit; SU equilibrium chemistry and GTL mechanism. How does it work? Include process conditions.
- Economics – Required, 2 slide limit; TCI including GTL, HI, & SU; comparison with existing commercial plants; ROI and DCFR for your plant.
- Details of Reactor Design – Required, 1 slide limit; include temperature control, pressure drop, amount of catalyst, number and configuration of reactors.
- Safety and environmental analysis – Required, 1 slide limit.
- Utilities and utility costs – Required, 1 slide limit.
- Controls – Required, 2 slide limit; locate all analyzers and control valves.
- Energy efficiency and lowest environmental impact – Required, limit 1 slide.
- You are allowed one slide for your title page and 1 slide for references.

Slide limits will be strictly enforced. (Read – massive point deductions.)