Projects and Project Guidelines

Lecture 11a

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Dates and Deadlines

- **Mid Term Project:** October 16, 18
  - Will establish viability of a battery design
  - Will lay down the background and literature review of a technology that will be analyzed

- **Final Exam:** NO FINAL

- **Revised (Final) Term Project**
  - Will focus on the design of the selected (mid term) system
  - You can submit your written report any time after this date
  - The final submission deadline is December 6th at 4:30PM
  - Final presentation will occur on December 4th and 6th

- **No classes:** Oct 9, Oct 11, Nov 22
## Term Projects

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Project Part A Content Guidelines

Project must include:

• Literature review on selected chemistries
• Ideal capacities
• Discharge curves for 1/10, 1/5, 1, 2, 3, and 4C
• Clear explanation/justification of selected material and microstructure parameters
• Ragone Plot
• Proof that design has a chance of working or Proof that it is impossible to realize with selected chemistry
Project Part A Format Guidelines

• Due Date: ANY time after today
• Part 1 Due Date: October 18
• Research will be completed in groups
• Paper report is individual and must be submitted in actual real cellulose-based paper (for local students)
• Every paper should include a photocopy of the used references
• Wikipedia and other references that are not peer reviewed publications are NOT acceptable
Presentations

Three Components:

• Introduction, literature review
• Analysis: Outline of the optimization process
• Conclusion and limitations of the current approach
• Must present and comment on used material parameters
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