Ohio University
Department of Chemical Engineering
ChE-490/ChE-690: Analysis of Electrochemical Systems
Spring Quarter 2004
Tentative Schedule

Week	Date	Subject/Comments	Assignment	Reading
Week 1	03/29/04	Syllabus Course Project Introduction		Ch1, Class Notes 1
	03/31/04	Basic Concepts		Ch2, Class Notes 2
Week 2	04/05/04	Basic Concepts		Class Notes 2
	04/07/04	**Lab I:** Electrolysis Experiment		EH-1
Week 3	04/12/04	Thermodynamics	Q1	Ch3, Class Notes 3
	04/14/04	**Lab II:** Electroplating Experiment	LR-1	EH-2
Week 4	04/19/04	Thermodynamics	Sketch Course Project	Ch3, Class Notes 3
	04/21/04	**Lab III:** Fuel Cell Experiment	LR-2	EH-3
Week 5	04/25/04	Thermodynamics Electrode Kinetics		Ch3, Class Notes 3 Ch5, Class Notes 4
	04/28/04	Electrode Kinetics	Q2 LR-3	Ch5, Class Notes 4
Week 6	05/03/04	Electrode Kinetics		Ch5, Class Notes 4
	05/05/04	**Workshop 1:** Lithium Ion Batteries	Paper	
Week 7	05/10/04	Only Q3 no lecture this day (Students will have make up class)	Q3	
	05/12/04	**Workshop 2:** Plating and Electrode Characterization		
	05/04/04	Mass Transport. Make up Class		Ch6, Class Notes 5
Week 8	05/17/04	Mass Transport		Ch6, Class Notes 5
	05/19/04	**Workshop 3:** Fuel Cells		
Week 9	05/24/04	Q4 (Everybody) Modeling Session (Graduate Students)	Q4	Class Notes 6
	05/26/04	**Workshop 4:** Hydrogen Economy		
Week 10	05/31/04	No Class (Memorial Day)		
	06/02/04	Course Project Presentations	Course Project	

Electro-Che-e-Car Competition: Tentative: Wednesday, June 9 at 12:20 pm. Room, date, and times to be defined

Legend:
EH: Experiment Hand Out
Ch: Book Chapter (Electrochemical Engineering Principles)
LR: Lab Report
Q: Quiz
Paper: Review paper **(assignment only for Graduate Students)**

Quizzes Content:
Q1: Basic Concepts (Ch2 and Class Notes 2)
Q2: Thermodynamics (Ch3 and Class Notes 3)
Q3: Electrode Kinetics (Ch5 and Class Notes 4)
Q4: Mass Transport (Ch6 and Class Notes 5).