

001-2-5034 Environmental Oriented Electrochemistry (2 credits)

Weekly Lectures Hours	Exercise	Laboratory	Fied Trip
3			

The course contains:

- Basics in electrochemistry and electrochemical reactors
- Electrochemical methods in water treatment - metal precipitation, purification of industrial wastes, electro-oxidation of organic contaminants, electrochemical production of oxidizing materials.
- Electrodialysis
- Electrochemical phenomena in pressure driven membrane separations
- Photo electrochemistry for water treatment

Recommended Reading: To be provided during the course.

Lecturer: Yoram Oren