

**Eastern Mediterranean University
Faculty of Arts and Sciences**

**DEPARTMENT OF CHEMISTRY
COURSE OUTLINE**

<i>Course Code</i>	CHEM 541	<i>Course Title</i>	SPECIAL TOPICS IN ELECTROCHEMISTRY		
<i>Academic Year</i>	2022 -23	<i>Academic Term</i>	SPRING	<i>Course Credit</i>	(3, 0) 3

<i>Instructor</i>	Prof. Dr. Huriye İCİL	<i>e-mail</i>	huriye.icil@emu.edu.tr	<i>Office</i>	AS 223	<i>Tel.</i>	1085
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<i>Course Objectives</i>	The purpose of this course is to teach the basic and fundamental principles of electrochemistry and allow students to learn the advanced electrochemistry with emphasis on new electrochemical techniques.
<i>Lecture Topics</i>	<ol style="list-style-type: none"> 1- ELECTROCHEMICAL EXPERIMENTS 2- CYCLIC AND LINEAR VOLTAMMETRY 3- STEP AND PULSE TECHNIQUES 4- SOLID-STATE ELECTROCHEMISTRY 5- CONDUCTIVE POLYMERS 6- PHOTOELECTROCHEMISTRY 7- BIOELECTROCHEMISTRY 8- ELECTROCHEMISTRY IN INDUSTRY 9- ANALYZE AND CRITICALLY EVALUATE THE LITERATURE CONCERNING PHOTOCHEMISTRY AND PRESENT THE CONCLUSIONS IN WRITTEN AND ORAL FORM
<i>Textbook(s) / Required Reading</i>	Bagotsky, V. S.: " Fundamentals of Electrochemistry ", 2nd ed., John Wiley and Sons, Inc. 2006. Rudolf Holze " Experimental Electrochemistry ", John Wiley and Sons, Inc. 2009.
<i>Lecture</i>	
<i>Laboratory / Tutorial</i>	-----
<i>Grading Criteria</i>	Midterm 1 35% Midterm 2 25% Final 40%
<i>Academic Honesty</i>	Individual accountability for all individual work, written or oral. Copying from others or providing answers or information, written or oral, to others is cheating. Providing proper acknowledgment of original author. Copying from another student's paper or from another text without written acknowledgement is plagiarism. According to University's bylaws cheating and plagiarism are serious offences resulting in a failure from exam or project and disciplinary action (which includes an official warning may appear in student's transcript or/and suspension from University for up to one semester).
<i>Additional Remarks</i>	-----