

**MARMARA UNIVERSITY Faculty of Arts and Sciences****Chemistry Department****SYLLABUS****<2016-2017> <Fall>****Course level:** Lisans (First Cycle)

Course Code	Course Name	Course Type	Course Pool (if exists)	Weekly Course Hours		Local Credit	ECTS Credit	Semester
				T	A			
CHEM4523	Chemical Literature and Ethics	Seçimlik	CHEM-S1	2	0	3	3	7

Prerequisite (Ders Kodu ve Adı, Min Harfli Başarı Notu)	Prerequisite to (Ders Kodu ve Adı, Min Harfli Başarı Notu)	Weekly Time & Classroom Schedule (Gün, Saat Aralığı, Derslik)
<Bu dersi bağlayan önceki derslerin kodu, adı, min hb> {Her bir dersi birbirinden noktalı virgülle ayırınız.}	<Bu dersin bağladığı sonraki derslerin kodu, adı, min hb> {Her bir dersi birbirinden noktalı virgülle ayırınız.}	

Course Lecturer	Prof. Dr. Safiye ERDEM	Teaching Assistants	
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Office hour schedule		Office hour schedule	

Course Objectives	The aim of this course is to teach students how to search chemical literature in electronic data bases and emphasize the ethical aspects of scientific research.
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Textbooks and or References	Course Web page: https://kutuphane.marmara.edu.tr/
	1. A Guide to Research Ethics, 2003: www.ahc.umh.edu/img/assets/26104/Research_Ethics.pdf
	2. Chemical Literature lecture notes
	3. Marmara University Library

Course Learning Outcomes	1. Can describe what leads to ethical problems
	2. Can differentiate different primary sources in the literature
	3. Can apply reference citation rules appropriately
	4. Can search well-known electronic data bases in chemical literature

Program Outcomes	Program Outcomes															1:Weak; 2:Medium; 3:Strong
	PK1	PK2	PK3	PK4	PK5	PK6	PK7	PK8	PK9	PK10	PK11	PK12	PK13	PK14	PK15	Course Learning Outcomes
Program Outcomes x Course Learning Outcomes Matrix									3	3		3	3	2		DK1. Can describe what le...
									3	1			3	2		DK2. Can differentiate di...
					1				3	3			3	2		DK3. Can apply reference ...
				1					3	2			3	2		DK4. Can search well-know...
	0	0	0	1	1	0	0	0	3	2	0	3	3	2	0	TOTAL EFFECT

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Language of Instruction	Learning Activities and Teaching Methods			Course Presentation Form				
	<Lecture, presentation, demonstration, visiting library, homeworks>			<Interactive lecture, discussion, demonstration, library assignments>				
Week	Date	Weekly Course Content			Reference No - Section			
1. Week		Introduction: Scientific writing, rules for reference citation						
2. Week		How to reach sources in the library. Card Catalog Systems of the Libraries						
3. Week		The classification Systems of Libraries (Dewey ve Library of Congress (LC))			1 - 10 Bölüm			
4. Week		Citation of References, Chemical Literature Sources (Primary, Secondary, Tertiary Sources)			1 - II Bölüm			
5. Week		Primary Sources (Periodicals, dissertations, manufacturer's technical publications)			1 - II Bölüm			
6. Week		Secondary Sources (electronic indexing services and data bases)			1 - III ve IV Bölüm			
7. Week		Science Citation Index, Scopus, Google Scholar						
8. Week		Midterm Exam						
9. Week		Science Direct, Nature, ACS, RSC etc. data bases						
10. Week		Science Finder, ChemSpider, ProQuest						
11. Week		Why is ethics in science important? Commonly used terms in research ethics.						
12. Week		Plagiarism						
13. Week		Plagiarism detection softwares: iThenticate, Turnitin, Urkund						
14. Week		Presentation of projects and evaluation						
15. Week		Presentation of projects and evaluation						
16. Week		Study Week						
17. Week		Final Exam						
Evaluation Tool		YSSL (BDS)	BNAL (BDS)	BDKL (BDS)	Calculation of Grade			
Evaluation Tools and Weight %	Evaluation Tools		Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam		1		60,00	0,00		
	Final-Make up Exam (if exists)		1		60,00	0,00		
	Semester Evaluation Tools				40,00	100,00		
	Midterm Exam(s)		1		20,00	50,00		
	Quiz(es)							
	Project		1		20,00	50,00		
	Homework							
	Laboratory/Atelier							
	Presentation / Seminar / Demo							
	Research / Report / Other							
	Attendance							
Student Workload Calculation								
Tool	Weekly Avr. Hour	Semester Total Hour	Tool	Weekly Avr. Hour	Semester Total Hour	Tool	Weekly Avr.	Semester Total hour
Theoretical Hours	2,00	28	Midterm Exam and Preparation	1,00	14	Atelier and Preparation		
Applied Hours	0,00	0	Quiz and Preparation			Presentation/Seminar/Demo and Preparation	1,00	14
Pre-class Self Study			Project and Preparation	0,50	7	Research/ Report/ Other and Preparation		
Pre-application/Post-application Self Study			Homework and Preparation	0,50	7	Final Exam and Preparation	1,00	14
Total Student Workload Hours:		84	1 ECTS Credit = 25 Student Workload Hours			Workload Calculation:	Hesap Doğru	