MARMARA UNIVERSITY Faculty of Arts and Sciences

Chemistry Department

SYLLABUS

2015-2016 FALL | **Course level:** Lisans (First Cycle)

Course Code	Course Name	Course Type	Course Pool (if exists)	Weekly Course Hours T	Weekly Course Hours A	Local Credit	ECTS Credit	Semester
YDI151	Scientific English I	Zorunlu		2		2	2	1

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	Doç. Dr. Özkan DANIŞ	**Teaching Assistants**	
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Office hour schedule		**Office hour schedule**	

Course Objectives

The aim of this course is to teach students to learn chemical terms and use their knowledge of English language in scientific fields, and give the ability to translate and present scientific documents in English.

Textbooks and or References

Course Web page:

1. Sue Blattes, Veronique Jans, Jonathan Upjohn (2003). Minimum competence in scientific English. EDP Sciences, Fransa (online erisim - ebscohost.com)

Course Learning Outcomes

1. Be able to use English language efficiently in Chemistry
2. Be able to know the Chemical Terms in English
3. Be able to read and understant scientific books and papers
4. Be able to translate scientific subjects from English to Turkish
5. Be able to present a scientific topic in English in front of the audience

Program Outcomes x Course Learning Outcomes Matrix

Program Outcomes	PK1	PK2	PK3	PK4	PK5	PK6	PK7	PK8	PK9	PK10	PK11	PK12	PK13	PK14	PK15	Course Learning Outcomes
	2													3		DK1. Be able to use Engli...
	2													3		DK2. Be able to know the ...
													2	3		DK3. Be able to read and ...
														3		DK4. Be able to translate...
											3			3		DK5. Be able to present a...
	2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**2**	**3**	**0**	**TOTAL EFFECT**

1:Weak; 2:Medium; 3:Strong

Language of Instruction	Learning Activities and Teaching Methods	Course Presentation Form
	Lecture supported by power point slides, illustrations, blackboard notes and discussion.	Lecture supported by power point slides, illustrations, blackboard notes and discussion.

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				T	A			
YDI151	Scientific English I	Zorunlu		2		2	2	1

Week	Date	Weekly Course Content	Reference No - Section
1. Week		Chemistry Terminology: Basic Laboratory Equipments I	
2. Week		Chemistry Terminology: Basic Laboratory Equipments I	
3. Week		Scientific magazines: Introduction to Translation Projects	
4. Week		Techniques to Read Scientific Articles	
5. Week		Example Text: Synthesis of selected 3- and 4-arylcoumarin derivatives and evaluation as potent antioxidants	
6. Week		Chemical Processess I: Separation Techniques	
7. Week		Chemical Processess II: Stoichiometry and Hydrates	
8. Week		Midterm Exam	
9. Week		Chemistry Terminology: Redox Reactions	
10. Week		Example Text:Belousov–Zhabotinsky reactions and Chaos Theory	
11. Week		Example text: Recent Scientific News and Inventions	
12. Week		Preparation of a Scientific Presentation: Tips and Pitfalls	
13. Week		Example Presentation: Saving Coffee	
14. Week		Student Presentations and Discussions	
15. Week		Student Presentations and Discussions	
16. Week		Study Week	
17. Week		Final Exam	

Evaluation Tool	YSSL (BDS)	BNAL (BDS)	BDKL (BDS)	Calculation of Grade

	Evaluation Tools	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)
Evaluation Tools and Weight %	**Final Exam**			60.00	100.00
	Final-Make up Exam (if exists)			60.00	100.00
	Semester Evaluation Tools			40.00	100.00
	Midterm Exam(s)			28.00	70.00
	Quiz(es)				
	Project			12.00	30.00
	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		10	Atelier and Preparation		
Applied Hours			Quiz and Preparation			Presentation/Seminar/ Demo and Preparation		
Pre-class Self Study			Project and Preparation		10	Research/ Report/ Other and Preparation		
Pre-application/Post-application Self Study			Homework and Preparation			Final Exam and Preparation		10
Total Student Workload Hours:	58		***1 ECTS Credit = 25 Student Workload Hours***			**Workload Calculation:**	Hesap Doğru	