Course Syllabus

Code - Course Title	**FKM631 - Heterocyclic Chemistry**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. NALAN GÜNDOĞDU KARABURUN

Mode of Delivery	The mode of delivery of this course is face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no optional programme component
Recommended Resources	Heterocyclic Chemistry / John A. Joule, Keith Mills. 5th ed. Chichester, U.K. : Wiley, 2010.
Work Placement	There is no practice for this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Reaction Types in Heterocyclic Synthesis	
Week - 2		Reactant Combinations	
Week - 3		Processes in Heterocyclic Synthesis	
Week - 4		Structures and Spectroscopic Properties of Heterocycles	
Week - 5		Tautomerism and Reactivity of Heterocycles, Five Membered, Six membered and condensed heteroaromatic systems	
Week - 6		Reactions and Syntheses of Five Membered Rings	
Week - 7		Reactions and Syntheses of Five Membered Rings	
Week - 8		Reactions and Syntheses of Five Membered Rings	
Week - 9		Reactions and Syntheses of Six Membered Rings	
Week - 10		Reactions and Syntheses of Six Membered Rings	
Week - 11		Reactions and Syntheses of Six Membered Rings	
Week - 12		Reactions and Syntheses of Benzo Condensed Compounds with Heteroatom Bearing Rings	
Week - 13		Reactions and Syntheses of Benzo Condensed Compounds with Heteroatom Bearing Rings	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Reactions and Syntheses of Benzo Condensed Compounds with Heteroatom Bearing Rings	

Learning Outcomes

#	Learning Outcome
1	The researcher/student will be able to interpret basic processes in heterocyclic synthesis.
2	The researcher/student will be able to interpret tautomerism and reactivity in heterocyclic structures.
3	The researcher/student will be able to design nitrogen, oxygen and sulphur containing heterocyclic compounds.
4	The researcher/student will be able to design heterocyclic compounds containing multiple different heteroatoms.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.