Course Syllabus

Code - Course Title	**FBT605 - Plants and Metabolites**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. İLHAM ERÖZ POYRAZ

Mode of Delivery	Face to face
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There are no prerequisites or corequisites for this course.
Courses Recomended	There are no recommended courses.
Recommended Resources	Santos-Sanchez et al., 2019, Shikimic Acid Pathway in Biosynthesis of Phenolic Compounds.Plaxton and McManus, 2006, Control of Primary Metabolism in Plants.
Work Placement	-
Aims of the Course	Biosynthesis of Plant Active Ingredients, Classification of Plant Active Ingredients: Polyketides, Fatty acids, Terpenoids, Steroids, Phenylpropanoids, Alkaloids, Others: Special amino acids, Carbohydrates, Formative Metabolisms of Plant Active Ingredients, Products: Biosynthetic Pathways: Nucleoside diphosphate sugar pathway: Cellulose, hemicellulose, glycosides, Shikimate-cinnamate pathway: Lignin, Lignans, Hydrolyzable tannins, Mixed pathways: Pyrenylflavonoids, Quinones, Stilbenes.

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	3.00	11	33
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	1.00	7	7
Ödevler	1.00	4	4
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	1.00	1	1
Final Sınavı Hazırlığı (sınav süresi dahil)	0.00	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0

AKTS Workload

Activity	Duration (Hour)	Count	Workload
		Calculated ECTS	2.0

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Presentation