Course Syllabus

Code - Course Title	**FTT506 - Introduction to Phytochemistry**
Course Type	
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. FATİH DEMİRCİ

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 recommended optional programme component for this course.
Recommended Resources	*Çelebioğlu, S. (1949) Farmakognozi. İstanbul: İstanbul Üniv.Yay.No.421. *Baytop, T. (1986) Farmakognozi Ders Kitabı, Cilt I. İstanbul: İstanbul Üniv.Yay.No.3399. *Baytop, T. (1983) Farmakognozi Ders Kitabı, Cilt II, İstanbul: İstanbul Üniv.Yay.No.2003. *Wallis, T.E. (1967) Textbook of Pharmacognosy. London: J. A.Churchill Ltd.. *Evans, W. C. (2002) Trease and Evans\\\\\\\\\\\\\\\\' Pharmacognosy, 15th Ed.. Edinburg, UK: W.B.Saunders. *Tyler, V. E., Brady, L. R., Robbers, J. E. (1988) Pharmacognosy. Philadelphia: Lea Febiger. *Baytop, A. (1991) Bitkisel Drogların Anatomik Yapısı. İstanbul: İstanbul Üniv.Yay.No.3678. *Harborne, J.B. (1984) Phytochemical Methods, 2nd Edition. Chapman and Hall. *Türk Farmakopesi 1974, T.C.Sağlık ve Sosyal Yardım Bakanlığı Sayı:435, Milli Eğitim Basımevi, İstanbul. *British Pharmacopoeia 1998, Volume I- II, The Stationary Office, London, 1998. *The United States Pharmacopeia (USP24) / The National Formulary (NF19) 2000 , United States Pharmacopeial Convention, Inc.12601 Twinbrook Parkway, Rockville, MD 20852, 1999. *European Pharmacopoeia (EP), 5th Edition, Council of Europe, 67075 Strasbourg Cedex, France, 2005. *Shellard, E.J. (1958) Exercises in the Evaluation of Drugs and Surgical Dressings. London: Pitman Medical Publishing Co.Ltd
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction, Terminology, Resources	
Week - 2		History of plant use	
Week - 3		Photosynthesis, biosyntheses, phytochemistry	
Week - 4		Botany, plants, drugs, herbal drugs	
Week - 5		From nature or from agriculture	
Week - 6		Plant collection or harvest, and after?	
Week - 7		Pharmacognostic methods	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 8		Workup preparation and Extraction of Herbal Drugs	
Week - 9		Methods for Herbal Drug Identification	
Week - 10		Chromatography and Analyses	
Week - 11		Chemical characterisation of herbal and natural products	
Week - 12		Carbohydrates, gums and mucilages	
Week - 13		Carbohydrate herbal drugs	
Week - 14		Evaluation and Discussion	

Learning Outcomes

#	Learning Outcome
1	Discuss general definitions and concepts about plants.
2	Discuss photosynthesis and biosynthesis events.
3	Discuss pharmacognostic methods.
4	Discuss the structure determination of herbal and natural substances.

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.