BALIKESIR UNIVERSITY
NECATİBEY EDUCATION FACULTY
UNIVERSITY ELECTIVE COURSE PROPOSAL FORM

Department/Program	Mathematics and Science Education/ Science Education	
Course unit title	Phytotherapy	
Semester		
Language of instruction	Turkish	
Credit	2	
Number of ECTS credits	3	
Mode of delivery	Face to face	
Objectives of the course	1. To get general knowledge related to medical factor and assistant substances 2. To help comprehension of plant analysis methods 3. To isolate certain factor substances from medical plants and to be able to synthesize them 4. To supply fundamental information to people who will work in medical industry	
Course content	Analysis methods	
Prerequisites and co-requisities	---	
Name of lecturer	Prof. Dr. Turgut KILIÇ	e-mail: tkilic@balikesir.edu.tr
Assistants	---	e-mail:---
Internship	---	
Resources	1. Baytop," Farmosötik Botanik" Baha Matbaası, İstanbul 1972 2. Baytop, "Türkiye'de Bitkilerle Tedavi" İstanbul Üniversitesi Yayınları, İstanbul 1984	
Type of course unit	Elective	
Planning learning activities and teaching methods	Presentation of the subject, question - answer	

Assestment methods and criteria			ECTS allocated based on student workload			
In-term studies	Quantitiy	Percentage (%)	Activities	Quantitiy	Duration	Total work load (hours)

Mid-terms	1	40	Course duration	14	4	56
Quizzes			Hours for off-the-c.r.stud	14	2	28
Assignment			Mid-terms	1	1	1
Attendance			Final exams	1	1	1
Practice			Total work load (hours): 86			
Project			Number of ECTS credits: 3			
Final exam	1	60				

Learning outcomes	1. To comprehend the plant analysis methods in the researches. 2. To have detailed information related to phytotherapy which has become very popular recently.

Weekly detailed course contents

Weeks	Topics	Prerequisites	Resources
1	Introduction (History, general information about drugs and medical factors and assistant substances obtained from them))	To research the related subject	Textbook resources
2	Classification of medical plants	To research the related subject	Textbook resources
3	Determination of plants used for medical treatments	To research the related subject	Textbook resources
4	Collection and determination of medical plants	To research the related subject	Textbook resources
5	Plant analysis methods	To research the related subject	Textbook resources
6	Plant analysis methods	To research the related subject	Textbook resources
7	Preparation of extracts	To research the related subject	Textbook resources
8	Drug preparation methods	To research the related subject	Textbook resources
9	Essential oils	To research the related subject	Textbook resources
10	Alkaloids	To research the related subject	Textbook resources
11	Enzymes	To research the related subject	Textbook resources
12	Vitamins	To research the related subject	Textbook resources
13	Antibiotics	To research the related subject	Textbook resources
14	Field study	To be informed about the field	Textbook resources

Contribution of learning outcomes to program outcome	1. To offer effort to put all the issues that science deals for human's service 2. To link science and technology, to learn its contribution to the society 3. To be scientifically literate. To be open to new developments. To understand the relationship among science and to use all science for the benefit of human. 4. To comprehend the living nature 5. To comment the consequences of research, examination, trip, observation and experiments correctly and to reach generalizations