Hashemite University		Medicinal Plants 1801041354 Elective Course
Faculty of Science		Pre-requisite: 1801041251 or 1801041252
Department of Biology and Biotechnology	Course Syllabus	Credit Hours: 3 hrs.

Course Information	
Lecture's Time	10.00 – 11.30 Monday & Wednesday
Lecture Room	Biology Building 232
Instructor	Rajaa Abueideh
Office Location	Herbarium Lab. at Herbarium building or Biology Building 103
Instructor's E-mail	raj@hu.edu.jo
Internet Home Page	staff.hu.edu.jo/rajaa
Office Hours	9.30-10.30 Sunday, 9.30-11.30 Tuesday + Messages using Microsoft teams

Textbook

Encyclopedia of Herbal Medicine, by Chevalier, A., 3rd edition DK Publishing Inc., New York, 2016

References(s)	-Medicinal Plants of the World: Chemical Constituents, Traditional and Modern Medicinal Uses.by Ross, I. 2nd edition. Humana Press.2003. - Economic Botany by Simpson B.B. & Ogorzaly M. C.4th ed. McGraw-Hill. 2013. - A Field Guide to Medicinal Plants and Herbs: of Estern and Central North America by Foster, S & Duke, J. Roger Tory Peterson. 1999. - Hill's Economic Botany by Hill, A. Tata McGraw-Hill publishing company limited. New Delhi. 1996 -نباتات الاردن البرية وفوائدها الطبية والعطرية والصناعية. الجنيدي، م. دار الاسيل للطباعة والنشر والتوزيع، عمان. الطبعة الاولى 1993 . -. النباتات الطبية والعطرية.قاسم، ج.منشورات جامعة القدس المفتوحة.الطبعة الاولى7 199. - In addition to latest papers in this field.

Grading Policy:

Theory

1st Exam 30 %

2nd Exam 30 %

Other __%

Final Exam 40%

Course Objectives

1) Understand the importance of medicinal plants to medicine development
2) Understand fundamental concepts of medicinal plants.
3) Learning about the history and development of medicinal plants
4) Develop an awareness of the effect of herbs, spices and medicinal plants on the development of human history and culture.
5) Learning the principle of identifying and classifying medicinal plants and understanding their current uses.
6) Correlate the therapeutic activity of medicinal plants to their active constituents with the emphasis on that the whole herb is worth more than the sum of its parts.
7) Understand the fundamentals of phytotherapy as one of the alternative medicines.
8) Develop an idea about some toxic plants.
9) Identify some common medicinal plants used in the World and Jordan specifically.
10) Learn about nervous system stimulant plants.
11) Learn how to prepare herbal remedies for home use.

Teaching and Learning Methods

Theory classes.

Field trips to the botanical garden at the university, to learn about and identify many of the medicinal herbs used.

Presentations presented by students. The focus of these presentations will be the use of medicinal plants in treating several disorders.

specimen preservation to identify common medicinal plants in Jordan and to deal with correct preservation of these specimens.

Course Contents

Week	Topic
1	Introduction, History and development of medicinal plants & Quality control
2	Introduction, History and development of medicinal plants & Quality control. Secretion in plants
3	Medicinal plants classification
4	Active constituents
5	Active constituents **First Hour Test**

6	Preparing herbal remedies. Plant Nomenclature
7	Selected medicinal plants
8	Selected medicinal plants
9	Selected medicinal plants
10	Selected medicinal plants
11	Selected medicinal plants **Second Hour Test**
12	Selected medicinal plants
13	Selected medicinal plants Psychoactive drugs
14	Psychoactive drugs
15 ,16	Final Examination

List of medicinal plants that will be studied during this semester

No.	Latin name	Family	Common Arabic name
1.	*Achillea fragrantissima*	Compositae	القيصوم أخيليا
2.	*Allium sativum*	Liliaceae	الثوم
3.	*Aloe vera*	Liliaceae	
4.	*Ammi visnaga*	Umbilleferae	الخلة
5.	*Artemisia herba-alba*	Compositae	شيح
6.	*Camellia sinensis*	Theaceae	شاي
7.	*Carthamus tinctorius*	Compositae	عصفر
8.	*Cassia senna*	Leguminoseae	السنامكي
9.	*Cinnamomum verum*	Lauraceae	القرفة
10.	*Coffea arabica*	Rubiaceae	القهوة
11.	*Crataegus oxyacantha*	Rosaceae	زعرور
12.	*Curcuma longa*	Zingiberaceace	كركم
13.	*Elettaria cardamomum*	Zingiberaceae	الهيل
14.	*Eugenia caryophyllata*	Myrtaceae	كبش قرنفل
15.	*Ginkgo biloba*	Ginkgoaceae	الجنكه (جنكو)
16.	*Hedra helix*	Araliaceae	لبلاب
17.	*Linum usitatissimum*	Linaceae	بذرالكتان
18.	*Melaleuca alternifolia*	Myrtaceae	شجرة الشاي
19.	*Nigella sativa*	Ranunculaceae	قزحه
20.	*Olea europaea*	Oleaceae	الزيتون
21.	*Origanum vulgare*	Labiatae	مردقوش
22.	*Panax ginseng*	Araliaceae	الجينسينغ
23.	*Peganum harmala*	Zygophyllaceae	الحرمل
24.	*Rosmarinus officinalis*	Labiatae	اكليل الجبل/ حصى البان
25.	*Salvia officinalis*	Labiatae	الميرمية
26.	*Theobroma cacao*	Malvaceae	الكاكاو
27.	*Trigonella foenum-graecum*	Leguminosae	الحلبة
28.	*Urtica dioica*	Urticaceae	القريص
29.	*Zingiber officinale*	Zingiberaceae	الزنجبيل