IRAN UNIVERSITY OF MEDICAL SCIENCES

School of pharmacy
Department of Pharmacognosy & Pharmaceutical Biotechnology

Course title: Pharmacognosy 1 (Practical, **M-Pharm**)
Credit: 1 credit, Saturday (15-17)
***Prerequisite*:** Pharmacognosy1 (Theory)
Course Instructors: Dr. Paria Sharafi-Badr, Dr. Sajjad Nasseri
Responsible Instructor: Dr. Paria Sharafi-Badr (sharafibadr.pr@iums.ac.ir)

Course Description:

This course offers a foundation and explore the identification and determination of the amount of herbal compounds, get to know the basics of research in the field of pharmacognosy, be prepared to carry out herbal medicine controls, and also acquire skills in the field of extraction.

Course Evaluation:

Semester Project(s)	20 %
In Class Practitioner & Quiz	25%
Final exam (multiple-choice questions, descriptive questions)	45%

Important Note:

Final Exam will be held as determined by the registrar's office.

Allowed absences are accepted provided that students bring in documents for that and the related professor approves it. Acting against absences (either excused or not) will be the decision of the professor and agreement of the college.

Semester Project(s):

More information will be determined during class discussions.

References:

1- *Trease and evans pharmacognosy*. Evans WC.Saunders. Edinburg. The latest edition.
2- *Harborne* AJ. Phytochemical methods a guide to modern techniques of plant analysis. Springer science & business media; 1998 Apr 30.

Pharmacognosy 1 (Practical) -2023 Course Table

(Saturday 15-17)

	Subject	Instructor(s)	Teaching methods	Date
1	Introduction to Practical Pharmacognosy, briefing and class grouping	Dr. Sharafi-Badr	Discussion Based Learning	**30 Sep.**
2	Methods of extraction of natural compounds (1)	Dr. Sharafi-Badr	Discussion Based Learning	**07 Oct.**
3	Methods of extraction of natural compounds (2)	Dr. Sharafi-Badr	Discussion Based Learning	**14 Oct.**
4	Chromatographic Methods (TLC)	Dr. Nasseri	Discussion Based Learning	**21 Oct.**
5	Chromatographic Methods (CC)	Dr. Nasseri	Discussion Based Learning	**04 Nov.**
6	Determining the amount of water	Dr. Nasseri	Discussion Based Learning	**11 Nov.**
7	Determining the amount of ash	Dr. Nasseri	Discussion Based Learning	**18 Nov.**
8	Starch extraction/Carbohydrate test	Dr. Sharafi-Badr	Discussion Based Learning	**25 Nov.**
9	Determining the amount of pectin	Dr. Sharafi-Badr	Discussion Based Learning	**02 Dec.**
10	Determination of swelling coefficient /Mucilage test	Dr. Nasseri	Discussion Based Learning	**09 Dec.**
11	Cyanogenic Glycoside test	Dr. Nasseri	Discussion Based Learning	**16 Dec.**
12	Identification tests for Alkaloids	Dr. Sharafi-Badr	Discussion Based Learning	**23 Dec.**
Final Exam				