

School of pharmacy

Department Medicinal Chemistry

Course title: Pharmacognosy 1

Credit (Theory or Practical): Theory

Prerequisite: Medicinal Plant

Course Lecturers: Dr.Sabernavaei, Dr. Nasserri

Responsible Lecturer: Dr.Sabernavaei

Course Description:

This course offers a foundation and explore the identification and determination 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 title:

	subject	Lecturer	Date
1	Importance of Pharmacognosy	Dr. Nasserri	15 Sep
2	Extraction methods of natural compounds	Dr. Nasserri	22 Sep
3	Isolation methods of natural compounds	Dr. Nasserri	29 Sep
4	Fats and oils	Dr. Nasserri	6 Oct
5	Fats and oils	Dr. Nasserri	13 Oct
6	The future of medicinal plants	Dr. Nasserri	20 Oct

7	Sugars and polysaccharides	Dr. Sabernavaei	27 Oct
8	Gums and mucilages	Dr. Sabernavaei	3 Nov
9	Pyrrole and pyrrolidine alkaloids	Dr. Sabernavaei	10 Nov
10	Pyrrolizidine alkaloids	Dr. Sabernavaei	17 Nov
11	Tropane alkaloids	Dr. Sabernavaei	24 Nov
12	Tropane alkaloids	Dr. Sabernavaei	1 Dec
13	Isoquinoline alkaloids	Dr. Sabernavaei	8 Dec
14	Indole-purine alkaloids	Dr. Sabernavaei	15 Dec
15	Steroidal alkaloids	Dr. Sabernavaei	22 Jan
16	Imidazole alkaloids	Dr. Sabernavaei	29 Jan
17	Exam		

References:

1. Drug of natural origin: A Textbook of pharmacognosy. Samuelsson G, Swedish Pharmaceutical press, The latest edition
2. Trease and Evans pharmacognosy. Evans WC. Saunders. Edinburg. The latest edition.
3. Pharmacognosy, Phytochemistry, Medicinal plants. Bruneton J, Intercept Ltd., The latest edition.

Student assessment :

1-Attendance :10%

2- In Class Practitioner & Quiz: 20%

Final exam (multiple-choice questions, descriptive questions): 70%

Notes:

- All classes will be held in Besarati (Eastern 7) street, North Shahin Boulevard

The absence hours of a student should not exceed 4/17 in theoretical, 2/17 in practical and laboratorial. Otherwise, the score for that course or section will be considered as zero.

Note 1: 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.