

## School of pharmacy

### Department Medicinal Chemistry

Course title: Medicinal Plants

Credit (Theory or Practical): 2 Theory

*Prerequisite:* -

Course Lecturers: Dr. Sabernavaei, Dr. Naseri, Dr. Sharafi-Badr.

Responsible Lecturer: Dr. Sabernavaei

**Course Description:** Familiarizing students with plant systematics and their therapeutic effects, Identification of important families and their characteristics, classification of medicinal plants based on their therapeutic effects

- **Course objectives:** Familiarizing students with plant systematics (kingdom, order, family, genus and species) and identification principles for nomenclature of plants - Familiarizing students with important morphological characteristics of plants families - Introduction of medicinal plants of Iran and the world in each described family - Classification of medicinal plants based on treatment of different diseases and their pharmacological effects

**Student Learning Objectives:** Giving students perspective about the status of medicinal plants - Know the role of medicinal plants in medical and pharmaceutical sciences 2 - Know the correct scientific and common name of medicinal plants - Be able to guess the families of important medicinal plants - Know the usage of medicinal plants

**Students are expected to:**

Know the role of medicinal plants in medical and pharmaceutical sciences - Know the correct scientific and common name of medicinal plants - Be able to guess the families of important medicinal plants - Know the usage of medicinal plants

**Course title:**

	subject	Lecturer	Presentation method	Date
1	Systematic classification of plants and Nomenclature of herbal medicine	Dr. Sabernavaei		Apr 5 <sup>th</sup>
2	Thallophytes , Bryophetes, Pteridophytes	Dr. Sabernavaei		Apr 12 <sup>th</sup>
3	Gymnosperms	Dr. Sabernavaei		Apr 19 <sup>th</sup>
4	Angiosperms: dicotyledons(EUDICOTS)	Dr. Sabernavaei		Apr 26 <sup>th</sup>
5	Angiosperms: dicotyledons(ROSIDS)	Dr. Sharafi		May 3 <sup>th</sup>
6	Angiosperms: dicotyledons(ASTERIDS)	Dr. Sharafi		May 10 <sup>th</sup>
7	Angiosperms: Monocotyledons	Dr. Sharafi		May 17 <sup>th</sup>
8	Animal products	Dr. Sharafi		May 24 <sup>th</sup>
9	Important medicinal plants in the pharmaceutical market of Iran and the world(The heart, circulation & blood)	Dr. Naseri		May 31 <sup>th</sup>
10	Important medicinal plants in the pharmaceutical market of Iran and the world( The urinary and reproductive systems)	Dr. Naseri		Jun 7 <sup>th</sup>
11	Important medicinal plants in the pharmaceutical market of Iran and the world ( The nasal and respiratory systems)	Dr. Naseri		Jun 21 <sup>th</sup>
12	Important medicinal plants in the pharmaceutical market of Iran and the world ( The skin and mucous memberans)	Dr. Naseri		Jun 28 <sup>th</sup>
13	Important medicinal plants in the pharmaceutical market of Iran and the world (The nervous system)	Dr. Pirali		Jul 12 <sup>th</sup>
14	Important medicinal plants in the pharmaceutical market of Iran and the world (The gastrointestinal tract)	Dr. Pirali		Jul 19 <sup>th</sup>
15	Important medicinal plants in the pharmaceutical market of Iran and the world (The gastrointestinal tract)	Dr. Pirali		Jul 26 <sup>th</sup>

16	Important medicinal plants in the pharmaceutical market of Iran and the world (The inflammatory)	Dr. Pirali		Aug 2 <sup>th</sup>
17	Exam			

### References:

1. The most common traditional medicinal plants in Iran. Amin Gh. Vice Chancellor for Research, Tehran university of Medical Sciences, latest edition.
2. Zargari. A; Medicinal Plants, Tehran University Publications .3Evans, W. C; Trease and Evan's Pharmacognosy, W.B Saunders Co, London 2009.

### 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.