

School of pharmacy

Department

Course title: Medicinal Plants

Credit (Theory or Practical): 2 Theoretical

Prerequisite: -

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

Tavakolizadeh

Responsible Lecturer: Dr. Mahsa 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

- 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 Plan

No.	Subject	Instructor	Wednesday (13-10)
1	Systematic classification of plants and Nomenclature of herbal medicine	Dr. Sabernavaei	Feb 7 th
2	Thallophytes , Bryophytes, Pteridophytes	Dr. Sabernavaei	Feb 14 th
3	Gymnosperms	Dr. Sabernavaei	Feb 21 th
4	Angiosperms: dicotyledons(EUDICOTS)	Dr. Sabernavaei	Feb 28 th
5	Angiosperms: dicotyledons(ROSIDS)	Dr. Sharafi Badr	Mar 6 th
6	Angiosperms: dicotyledons(ASTERIDS)	Dr. Sharafi Badr	Mar 13 th
7	Angiosperms: Monocotyledons	Dr. Sharafi Badr	Apr 3 th
8	Animal products	Dr. Sharafi Badr	Apr 10 th
9	Important medicinal plants in the pharmaceutical market of Iran and the world(The heart, circulation & blood)	Dr.Naseri	Apr 17 th
10	Important medicinal plants in the pharmaceutical market of Iran and the world(The urinary and reproductive systems)	Dr.Naseri	Apr 24 th
11	Important medicinal plants in the pharmaceutical market of Iran and the world (The nasal and respiratory systems)	Dr.Naseri	May 1 th
12	Important medicinal plants in the pharmaceutical market of Iran and the world (The skin and mucous membranes)	Dr.Naseri	May 8 th
13	Important medicinal plants in the pharmaceutical market of Iran and the world (The nervous system)	Dr.Tavakolizadeh	May 15 th
14	Important medicinal plants in the pharmaceutical market of Iran and the world (The gastrointestinal tract)	Dr.Tavakolizadeh	May 22 th

15	Important medicinal plants in the pharmaceutical market of Iran and the world (The gastrointestinal tract)	Dr.Tavakolizadeh	May 29 th
16	Important medicinal plants in the pharmaceutical market of Iran and the world (The inflammatory)	Dr.Tavakolizadeh	Jun 5 th
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
3. Evans, W. C; Trease and Evan's Pharmacognosy, W.B Saunders Co, London 2009