

Course plan

Year: 1404- 405	Semester: <input checked="" type="checkbox"/> First, <input type="checkbox"/> Second, <input type="checkbox"/> Summer	Number of students: 8
Major: Master's Degree in Parasitology	<input checked="" type="checkbox"/> Basic sciences, <input type="checkbox"/> Physiopathology	Department: Parasitology, Mycology and Entomology
Course Title: Medical Mycology	<input checked="" type="checkbox"/> Theoretical, <input checked="" type="checkbox"/> Practical	Credit: Code N.:
Prerequisite: _____	Day & Time: Tuesday & ۱۵-۱۳	Course type:
Instructor:	Office address:	Tel:
Email: simintaghipoor@yahoo.com	Response Hours and Days:	Student representative name and mobile number:

Main objective: This course aims to provide the foundational understanding of the basic biology of micro-organisms that may cause disease in humans, and how they cause disease. The course covers viral pathogens

On completion of this course, the student will be able to:

۱. At the end of this lesson, the student should know the important pathogenic fungi.
۲. To know the fungal agents that cause diseases.
۳. To be aware of the geographical spread of each fungal infection and their incidence and prevalence, especially in different regions of Iran.
۴. To be able to diagnose diseases caused by important fungi using a slide and to know and explain the prevention and control methods of each fungal disease.
۵. Students get to know the etiological factors of fungal diseases.
۶. The way of transmission of each, their pathogenesis and prognosis will be taught.
۷. Laboratory diagnosis and requesting the type of test, as well as familiarization with the principles of treatment using effective and common drugs in the country, as well as familiarization with the methods of prevention and control of these diseases.

References (Text books):

- ۱- Medical Mycology, E.G.V. Evans and M.D. Richardson
- ۲- فارچ شناسی پزشکی جامع، تألیف دکتر فریده زینی، دکتر امیر سید علی مهبد، دکتر مسعود امامی

Student evaluation and the value related to each evaluation:

(The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes)

ASSESSMENT TOOLS	From
Assignments	1
Quiz	1
Presence in online courses	-
Midterm Exam	7
Final Exam (Written exam)	11
TOTAL MARKS	20

Students responsibilities:

- 1- Mobile phones must be turned off during class or exams.
- 2- Attending class on time

3- It is necessary for the student to attend all class hours. Unexcused absence during the course will result in a grade deduction.

Discipline and educational rules:

It is applied according to the regulations of the educational regulations

Mid exam date:

Final exam date:

Row	date	Time	Topic	Professor	References	Chapter	Pages
1	Tuesday	13-15	General mycology (knowing the morphological and biological characteristics of fungi, life cycle, food molds, application of fungi in food and pharmaceutical industries, types of fungal diseases, ways of entering the body of fungi)	Taghipour	Medical Mycology, E.G.V. Evans and M.D. Richardson		
2	Tuesday	13-15	Yeasts, Pseudo-yeasts, Geotrichum, Trichosporon, Rhodotorula, Saprophytes (knowledge of common saprophytic fungi that are important in causing disease in humans), Aspergillus, Penicillium, Fusarium and Mucor family, Colored or dark saprophytes (cladosporium, alternaria, ulocladium, Curvularia and Drechslera)	Taghipour	Medical Mycology, E.G.V. Evans and M.D. Richardson		
3	Tuesday	13-15	Superficial diseases: Familiarity with tinea versicolor, tinea nigra, piedra and diagnosis and treatment methods. Superficial diseases: axillary keratomycosis, erythrasma, otomycosis, fungal keratitis and methods of diagnosis and treatment	Taghipour	Medical Mycology, E.G.V. Evans and M.D. Richardson		
4	Tuesday	13-15	Cutaneous disease: dermatophytosis (definition of the disease, definition of agents, characteristics, main host, ways of infection and ways to control and prevent pathogenic fungal agents) and diagnosis method, tinea capitis, Dermatophytosis (tinea) and diagnosis and treatment methods, Tinea faciei, tinea pedis, tinea cruris, tinea manuum, tinea	Taghipour	Medical Mycology, E.G.V. Evans and M.D. Richardson		

			corporis, tinea concentricum, tinea incognito,				
5	Tuesday	13-15	Subcutaneous diseases (pathogenic agents, disease symptoms, geographical distribution, clinical and pathological symptoms, ways to control and prevent fungal agents of the disease, diagnosis method), mycetoma and sporotrichosis, Subcutaneous diseases of chromomycosis (chromoblastomycosis, phaeohyphomycosis and pheocytes), entomophthoromycosis, rhinosporidiosis, lobomycosis	Taghipour	Medical Mycoloy,E.G.V. Evans and M.D. Richardson		
6	Tuesday	13-15	Visceral or systemic diseases including fungal infections in immunocompromised patients, candidiasis, aspergillusis, cryptococcosis, pneumocystosis, mucormycosis and diagnosis and treatment methods, True or primary diseases (histoplasmosis, blastomycosis, coccidioidomycosis and paracoccidioidomycosis)	Taghipour	Medical Mycoloy,E.G.V. Evans and M.D. Richardson		
7	Sunday	10-12	Saprophytes (observation of the pre-prepared range of common fungi), fungal agents of surface and skin diseases (observation of the pre-prepared range of agents with case presentation), sampling and preparation of the range with the KOH method and microscopic examination and sample diagnosis for fungi	Taghipour	Medical Mycoloy,E.G.V. Evans and M.D. Richardson		
8	Sunday	10-12	View prepared slides of saprophytes and how to take samples from the environment and environmental equipment. and perform slide culture tests.	Taghipour	Medical Mycoloy,E.G.V. Evans and M.D. Richardson		
9	Sunday	10-12	Review the culture slides from the previous session and deliver the slides to the laboratory manager View prepared slides of superficial diseases,.	Taghipour	Medical Mycoloy,E.G.V. Evans and M.D. Richardson		
10	Sunday	10-12	Skin diseases (view prepared slides of	Taghipour	Medical Mycoloy,E.G.V.		

			dermatophyte species)		Evans and M.D. Richardson		
11	Sunday	10-12	Yeast culture on Candida chrome agar medium, yeast culture on cornmeal agar medium with Tween 80, performing a Germ tube test	Taghipour	Medical Mycology, E.G. V. Evans and M.D. Richardson		
12	Sunday	10-12	Examining the Candida Chrome Agar medium and observing the color variation based on the species, examining the Cornmeal Agar medium with Tween	Taghipour	Medical Mycology, E.G. V. Evans and M.D. Richardson		
13	Sunday	10-12	View slides of opportunistic pathogens (candidiasis, aspergillosis, mucormycosis)	Taghipour	Medical Mycology, E.G. V. Evans and M.D. Richardson		
14	Sunday	10-12	View prepared slides of yeasts and yeast-like fungi (Candida, Rhodotrula, Geotrichum), culture and view Cryptococcus neoformans with black ink	Taghipour	Medical Mycology, E.G. V. Evans and M.D. Richardson		