

## Daily Lesson Plan – Medical Mycology (Session 1)

Ahvaz University of Medical Sciences – Educational Development Center

<b>Lesson Title: Medical Mycology</b>	<b>Session No.: 1</b>	<b>Credits:</b>	<b>Semester: First Semester</b>	<b>Educational Setting: Classroom</b>
<b>Topic: Introduction to general mycology, fungal characteristics, distribution, reproduction methods, and vegetative structures</b>	<b>Audience:</b> Professional Doctorate	<b>Faculty:</b> Medicine	<b>Prepared by:</b> Dr. Ali Rezaei Matehkolaie	

**General Objective:** "To familiarize students with fungi, their general characteristics, distribution, reproduction methods, and vegetative structures, in order to understand their role and importance in nature and human life."

Behavioral Objectives	Domain	Method	In-Class Activities		Teaching Aids	Time (min)	Assessment
			Instructor	Learner			
<b>Define and identify fungi:</b> The learner will be able to define fungi, identify them, and explain their differences from plants and other organisms.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	2	Q&A
<b>Describe fungal characteristics:</b> The learner will be able to describe general fungal characteristics such as heterotrophic nature, chitinous cell wall, and inability to perform photosynthesis.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	5	Q&A
<b>Explain abundance and distribution:</b> The learner will be able to explain where fungi are commonly found and how they are dispersed.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	10	Q&A



Behavioral Objectives	Domain	Method	In-Class Activities		Teaching Aids	Time (min)	Assessment
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<b>Explain asexual reproduction methods:</b> The learner will be able to describe types of asexual reproduction in fungi, such as mitotic spores and budding.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	15	Q&A
<b>Explain sexual reproduction methods:</b> The learner will be able to explain stages of sexual reproduction in fungi, including plasmogamy and karyogamy.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	10	Q&A
<b>Identify vegetative structures:</b> The learner will be able to identify and describe vegetative parts of fungi, such as hyphae and mycelium.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	15	Q&A
<b>Identify reproductive structures:</b> The learner will be able to recognize fungal reproductive structures such as sporangia, spores, and sexual mycelium.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	10	Q&A
<b>Explain the role and importance of fungi:</b> The learner will be able to explain the role of fungi in nature and human life, such as decomposing organic matter and producing food or medicine.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	15	Q&A
<b>Classify and give examples of fungi:</b> The learner will be able to introduce and compare main groups of fungi and their important examples.	Cognitive	Interactive Lecture	*	*	Whiteboard, PowerPoint	15	Q&A

#### Resources:

- *Comprehensive Medical Mycology* (Authors: Zini, Mahbod, Emami)
- *Medical Mycology and Practical Diagnostic Methods* (Translator: Khosravi)

**Note:** This lesson plan follows a student-centered interactive lecture approach. Time allocations are approximate and may be adjusted based on class dynamics.