



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE 4
ENGLISH MEDICINE PROGRAM**

**COURSE of CLINICAL
PHARMACOLOGY**

2022/2023 Academic Year

COURSE GUIDEBOOK

PREFACE

Dear Students,

Welcome to the Clinical Pharmacology course which is an important part of your education.

In this course program, which is going to continue for 1 week, we aim to give the basic education of the course program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your clerkship, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your clerkship studies.

Department of Medical Pharmacology

GENERAL INFORMATION on COURSE

Course Title	: Clinical Pharmacology
Main Department of Course	: Medical Sciences
Department Responsible for Course	: Department of Medical Pharmacology
Course Code	: MED-4009
Course Topic Code	: MED-
Course Type	: Required
Duration of the Course	: 1 week
Teaching Method of the Course	: Formal
ECTS	: 1
Language	: English
Head of the department	: Nesrin Filiz Başaran
Teaching Staff	:

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Nesrin Filiz Başaran MD, Assoc. Prof.	Medical Pharmacology	
Edip Güvenç Çekiç MD, Asst. Prof.	Medical Pharmacology	

Coordinator of the Department Education Program : Nesrin Filiz Başaran MD, Assoc. Prof.

Coordinator of the Course Education Program : Nesrin Filiz Başaran MD, Assoc. Prof.

Coordinator of the Course Examinations : Edip Güvenç Çekiç MD, Asst. Prof.

Coordinator of Course Assessment and Evaluation : Edip Güvenç Çekiç MD, Asst. Prof.

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TEACHING METHODS-TECHNIQUES

1. Theoretical lessons
2. Learning Centered Teaching
 - a. Gamified cases and prescribing examples
3. Interactive teaching

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	Determined classroom will be notified to course group representative by deanery	Morphology Building, Ground floor classrooms
Gamified cases and prescribing examples	Determined classroom will be notified to course group representative by deanery	Morphology Building, Ground floor classrooms

RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	In this course, it is aimed that the students have knowledge about the basic principles of clinical pharmacology and rational drug prescribing techniques.
2	In this course, it is aimed that the students can reinforce and evaluate the knowledge by using evidence-based medicine techniques on case studies.

OBJECTIVE(S) of the COURSE

1	to be able to explain the theoretical information about the basic principles of Clinical Pharmacology and to be able to evaluate practically using evidence-based medicine techniques with the help of case studies.
2	to be able to explain the basic principles of rational drug use and to be able to evaluate them practically with the help of case studies.

INTENDED LEARNING OUTCOME(S)

1	Can explain the theoretical information about the basic principles of Clinical Pharmacology and can evaluate practically using evidence-based medicine techniques with the help of case studies.
2	Can explain the basic principles of rational drug use and can evaluate them practically with the help of case studies.

DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

RESPONSIBILITIES

1. The training and education activities within the Course/Course blocks are carried out under the supervision of the instructor in charge of the course.
2. Before the clinical / outpatient applications, they introduce themselves as "Trainee Doctor" to the patient, give information and get permission from the patient, take the patient's medical history and perform a physical examination. They perform other medical procedures under the supervision of instructors.
3. The clothing of the trainee doctors in the working environment should be appropriate for the health worker.
4. Trainee doctors wear their ID cards visibly inside the hospital and in all educational environments.
5. Trainee doctors should wear a white doctor's coat inside the hospital.
6. They attend the theoretical and practical courses given by the instructors, as well as the applied trainings under the supervision of the instructors.
7. They attend visits during service working hours in line with the curriculum prepared by the department; They monitor all kinds of medical interventions for diagnosis and treatment in outpatient clinics, services and other diagnosis and treatment units, and perform the procedures in the practice list in accordance with the National Core Education Program / MSKU Extended Education Program at the specified level during course under the permission and supervision of the trainer.
8. In line with the program prepared by the department, they take the medical history of the patients given to them for educational purposes in the units, perform the physical examination, determine the preliminary diagnosis, make the interpretation and differential diagnosis of the case and present it to the lecturer.
9. They act in accordance with the principles and rules of medical professional ethics and deontology during practices.

10. They know the rights of patients and their relatives, acts respectfully to these rights and abides by the principle of confidentiality of patient information.
11. They do not share, use or accumulate for other purposes, information, documents and samples obtained from patients during training and practice studies with third parties, including patient relatives.
12. The patient should not inform the patient's relatives or third parties about the patient's medical condition and course without the knowledge and supervision of the instructors.
13. When they have serious information, observations and findings about patients that require changes in diagnosis and treatment, they immediately notify the relevant instructors.
14. They do not take the patient files out of the service.
15. They avoid behaviors that will harm patient safety and disrupt hospital hygiene.
16. During the course, they perform the tasks of preparing/presenting articles, preparing/presenting seminars, preparing/presenting interactive lessons, preparing/presenting cases and similar tasks.
17. All the work of the trainee students is for educational purposes only, and the trainee students cannot in any way be involved in the decisions, practices and records regarding the diagnosis, treatment, follow-up and medical care of the patients.
18. They know the patient rights regulation and the current health legislation and act accordingly.
19. During the course, it is important that the personal logbook is filled in carefully, signed and handed over to the responsible instructor at the end of the course.
20. They should be aware of the legislation of the Faculty of Medicine, including the Muğla Sıtkı Koçman University Faculty of Medicine Education-Training and Examination regulations, and act accordingly.
21. They act in accordance with the principles regarding attendance and other matters of Phase IV and V students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.

22. As in all health institutions, they must comply with the rules, regulations and directives of the institution stated below.

- ✓ Infection control rules
- ✓ Rules on medical waste, household waste and recyclable waste
- ✓ Radiation safety rules
- ✓ Rules regarding employee health
- ✓ Rules regarding patient safety
- ✓ Sample taking, sending, request writing, consent and similar rules
- ✓ Fire and safety precautions
- ✓ Ethical and deontological rules

Please read: MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties

OTHER ISSUES:

1. **Course period** is 1 week.

- ✓ Students are required to attend all sessions of the internship. The days when they are not in the internship will affect the students' final grades.

2. **Learner-centered applications:**

- ✓ There is an internship follow-up guide that students must fill out during their internship.
- ✓ Each student is given a resource to read during the internship.
- ✓ At the end of the internship program, each student has to submit their homework.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1. Brunton, Laurence L., Bruce Chabner, and Björn C. Knollmann, eds. "Goodman & Gilman's the pharmacological basis of therapeutics." (2017)	1
2. Katzung, Bertram G., Susan B. Masters, and Anthony J. Trevor, eds. "Basic & clinical pharmacology." (2015)	1
3. Oğuz Kayaalp - Akılcı Tedavi Yönünden Tıbbi Farmakoloji 1-2	1, 2
4. Reçete yazma rehberi – Dünya sağlık örgütü	1, 2

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)

ASSESSMENT and EVALUATION

Assessment and Evaluation Methods in the End of Course Evaluation Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes	4 (4x15)	Compulsory	%60
Course Logbook	-	-	-
Homework	1		%20
Practical exam	1		%20
Total			%100

Availability of Course Logbook, Place of Course Report in Course Assessment and Evaluation Principles

N/A

Existence of Attendance Requirement and Its Place in Course Assessment-Evaluation Principles

It is stated at the beginning of the course that the student who is absent from the courses will not be taken to the written exam.

The Effect of the Assessment and Evaluation Methods to be Applied on the Success Status at the End of the Course

In order to be successful in the course, it is required to get at least 60 points at end of the course exam.

Assessment and Evaluation Methods to be Applied in the Resit Examination

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes	4 (4x15)	Compulsory	%60
Course Logbook	-	-	-
Homework	1		%20
Practical exam	1		%20
Total			%100

Assessment and Evaluation Methods to be Applied in the Single Resit Examination

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes	4 (4x15)	Compulsory	%60
Course Logbook	-	-	-
Homework	1		%20
Practical exam	1		%20
Total			%100

Faculty of Medicine
English Medicine Program
Phase 4
Clinical Pharmacology
Course
Competence Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13
Clinical Pharmacology	4	4	4	5	4	5	5	4	4	5	5	5	5

* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESSMENT AND EVALUATION METHODS MATCHING
1.Can explain the theoretical information about the basic principles of Clinical Pharmacology and can evaluate practically using evidence-based medicine techniques with the help of case studies.	V,CR	P, H
2.Can explain the basic principles of rational drug use and can evaluate them practically with the help of case studies.	V,CR	P, H
Abbreviations Teaching Activity: Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr) Assessment Method: Practical exam (PE), Homework(H)		

**INFORMATION AND MATCHING TABLE ON THE
THEORETICAL AND PRACTICAL COURSES IN THE COURSE
TO BE INCLUDED IN THE 2022- 2023 ACADEMIC YEAR
COURSE POGRAM**

Lecture Code	Hour	Lecture Type	Lecture Subject	NCEP-020 Matching	Course Aim Matching	Course Learning Outcome	Activity Matching	Assessment and Evaluation Method	Vertical Integrati on	Horizantal Integrati on
1	2	T	Introduction to Clinical Pharmacology, Evidence-Based Medicine		1,2	1,2	V,CR	P, H		
2	8	P	Selection of Personal Medication (P-Drug) List Group A/group B		1,2	1,2	V,CR	P, H		
3	2	T	Rational Drug Use and Prescribing		1,2	1,2	V,CR	P, H		
4	2	T	Determination of Personal Medication (P-Treatment)		1,2	1,2	V,CR	P, H		
5	4	P	Case Evaluation and Prescribing- I group A/ group B		1,2	1,2	V,CR	P, H		
6	4	P	Case Evaluation and Prescribing- II group A/ group B		1,2	1,2	V,CR	P, H		