COURSE DESCRIPTION FORM	
Course Code and Name	**FRM300 Pharmacology**
Course Semester	5-6
Catalogue Data of the Course (*Course Content***)**	It aims to teach drugs and drug use within the framework of the properties of drugs used for treatment and prophylaxis in human health, their effects in the body, the processes and what will happen the drugs in the body, the relations and interactions of drugs with each other.
Course Textbooks	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji. Prof. Dr. S. Oğuz Kayaalp. -Goodman & Gilman's The Pharmacological Basis of Therapeutics -Basic & Clinical Pharmacology. Bertram G. Katzung
Supplementary Textbooks	Katzung & Trevor The Pharmacological Basis of Therapeutics -Basic & Clinical Pharmacology, 12. Baskı (2016)
Credit (*ECTS***)**	3
Prerequisites for the Course (*Attendance Requirements***)**	The prerequisite of the course is to attend to the course.
Course Type	Professional/Technical
Language of Instruction	English
Course Objectives	Provide the student who will become a dentist with the level of Pharmacology knowledge that they can use in their other courses and in their professional lives.
Course Learning Outcomes	1. Defines and interprets the absorption, bioavailability, distribution and elimination of drugs, drug-receptor relationship. 2. Interprets the autonomic nervous system physiology; classify the drugs used in the clinic related to this system. 3. Defines drugs used in the treatment of respiratory system diseases and interprets their properties. 4. Defines drugs used in the treatment of cardiovascular system diseases and interprets their properties. 5. Defines drugs used in the treatment of gastrointestinal system diseases and interprets their properties. 6. Defines drugs used in the treatment of endocrine system diseases and interprets their properties. 7. Defines the drugs used in general and local anesthesia and interprets their properties, defines the treatment of fluid-electrolyte balance disorders. 8. Interprets the general principles in the treatment of acute poisoning. 9. Defines the properties, effects and uses of Non-Steroidal Anti-Inflammatory Drugs, knows drug interactions of NSAIDs. 10. Defines drugs used in the treatment of central nervous system diseases and interprets their properties.
Instruction Method *(Face-to-face, Distance education etc.)*	Face-to-face.
Weekly Schedule of the Course	Week 1: Introduction to Pharmacology Week 2: Definitions and Concepts. Week 3: Absorption and Bioavailability of Drugs Week 4: Distribution of Drugs Week 5: Basic Pharmacokinetics, Elimination of Drugs. Week 6: Drug-Receptor Relationships and Drug Effect Mechanisms. Week 7: Factors Changing the Effect of Medication Week 8: Drug Toxicity. Week 9: General Principles of Acute Poisoning Treatment. Week 10: Drug Interactions in Clinical Dentistry. Week 11: Drug Interactions in Clinical Dentistry Week 12: Introduction to Autonomic Nervous System Pharmacology. Week 13: Parasympathomimetics.

	Week 14: Anticholinergics. Week 15: Sympathomimetics, Adrenergic Receptor Blockers. Week 16: Antihypertensive Drugs. Week 17: Medicines Used in the Treatment of Heart Failure, Arrhythmia and Angina. Week 18: Antianemic Drugs, Antithrombotics, Week 19: Hemostatics and Blood Products. Week 20: Drugs Used in Fluid-Electrolyte Balance Disorders, Diuretics. Week 21: Respiratory System Drugs. Week 22: Gastrointestinal System Drugs. Week 23: Drugs Used in Diseases Related to the Endocrine System. Week 24: Features of Antimicrobial Drug Use in Dentistry Clinic Week 25: Features of Antimicrobial Drug Use in Dentistry Clinic Week 26: Features of Antimicrobial Drug Use in Dentistry Clinic Week 27: General review Week 28: General review
Teaching Activities *(The time spent for the activities listed here will determine the amount of credit required)*	Weekly theoretical course hours **2x28** Weekly practical course hours Reading activities Internet search and library work : **1 week / 2 hours** Designing and implementing materials Making a report Preparing and making presentations Midterm and revision for midterm **2 weeks/ 4 hours** Final exam and revision for final exam **1week/ 5 hours**

Assessment Criteria

	Number(s)	**Weight (%)**
Midterm exam	2	60
Assignment		
Application		
Project		
Practice		
Quiz		
Final exam	1	40
Total		100

Workload of the Course

Activity	**Number of Weeks**	**Duration (Weekly Hour)**	**End of Semester Total Workload**
Weekly theoretical course hours	28	2	56
Weekly practical course hours			
Reading activities			
Internet search and library work	1	2	2
Designing and implementing materials			
Making a report			
Preparing and making presentations			
Midterm and revision for midterm	2	4	8
Final exam and revision for final exam	1	5	5
Total workload			71
Total workload/ 25			2,84
Course Credit (ECTS)			3

Contribution Level between Course Outcomes and Program Outcomes

No	Program Outcomes	1	2	3	4	5
1	PO1	x				
2	PO2			x		
3	PO3			x		
4	PO4			x		
5	PO5			x		

	6	PO6			x		
	7	PO7			x		
	8	PO8			x		
	9	PO9			x		
	10	PO10			x		
	11	PO11			x		
	12	PO12			x		
	13	PO13			x		
	14	PO14	x				
Lecturer(s) and Contact Information	**GU Faculty of Medicine, Department of Medical Pharmacology Faculty Members**						