

COURSE DESCRIPTION FORM	
Course Code and Name	AİK 311 Rational Drug Use
Course Semester	5
Catalogue Data of the Course (Course Content)	Acquire the principles of rational drug use in the treatments applied by dentists.
Course Textbooks	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Prof. Dr. S. Oğuz Kayaalp, 13. Baskı, 2011 Goodman&GilmanTedavinin Farmakolojik Temelleri, Çeviri Prof. Dr. Remzi ERDEM, 2016
Supplementary Textbooks	Katzung & Trevor Temel ve Klinik Farmakoloji , 14. Baskı (2021)
Credit (ECTS)	3
Prerequisites for the Course (Attendance Requirements)	There are no prerequisites for the course. The attendance requirement of the student is according to Gazi University Faculty of Dentistry Education-Training and Examination Directive.
Course Type	Professional/Technical Elective Course
Language of Instruction	Turkish
Course Objectives	Teaching appropriate approaches with optimization analysis in drug treatments
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Explain the basic principles of rational drug use. 2. Understands the basic mechanisms of some selected diseases and explains the relationship of these mechanisms with drug therapy. 3. Selects the appropriate drug; He/she gives the right dose and with the right application and ensures the use of the drug for the appropriate time period. 4. Evaluates the effectiveness of the treatment, measures the success of the treatment; monitors side effects and patient compliance. monitors drug interactions. Adopts the pharmaco-economic approach, taking into account the cost of treatment.
Instruction Method (Face-to-face, Distance education etc.)	Face-to-face
Weekly Schedule of the Course	<p>Week 1 - Introduction, goal and learning objectives of the course and sharing the assessment methods</p> <p>Week 2 - Rational drug use principles</p> <p>Week 3 - Rational drug use principles</p> <p>Week 4 - Rational drug use in Turkey and in the world</p> <p>Week 5 - Irrational drug use results</p> <p>Week 6 - Prescription types</p> <p>Week 7 - General principles of prescribing</p> <p>Week 8 - Examples of wrong prescriptions</p> <p>Week 9 - The concept of pharmacovigilance and related forms, guidelines</p> <p>Week 10 - Tooth abscess - rational drug selection based on sample cases</p> <p>Week 11 - Tooth abscess - rational drug selection based on sample cases</p> <p>Week 12- Tooth abscess - rational drug selection based on sample cases</p> <p>Week 13 - Tooth abscess - rational drug selection based on sample cases</p> <p>Week 14 - Tooth abscess - rational drug selection based on sample cases</p>
Teaching Activities (The time spent for the activities listed here will determine the amount of credit required)	<p>Weekly theoretical course hours 14 weeks / 3 hours</p> <p>Weekly practical course hours</p> <p>Reading activities 4 weeks / 2 hours</p> <p>Internet search and library work 4 weeks / 2 hours</p> <p>Designing and implementing materials</p> <p>Making a report</p> <p>Preparing and making presentations</p> <p>Midterm and revision for midterm 2 weeks / 3 hours</p> <p>Final exam and revision for final exam 1 week / 4 hours</p>

Assessment Criteria		Number(s)	Weight (%)						
	Midterm exam								
	Assignment	1	60						
	Application								
	Project								
	Practice								
	Quiz								
	Final exam		40						
	Total		100						
Workload of the Course	Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload					
	Weekly theoretical course hours	14	3	42					
	Weekly practical course hours								
	Reading activities	3	2	6					
	Internet search and library work	4	2	8					
	Designing and implementing materials								
	Making a report	2	2	4					
	Preparing presentations	2	3	6					
	Making presentations	1	2	2					
	Midterm and revision for midterm								
	Final exam and revision for final exam								
	Total workload			68					
	Total workload/ 25			2,72					
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								