

**ERASMUS / INTERNATIONAL AGREEMENTS**  
**COURSES GIVEN IN INTERNATIONAL PROGRAMS**

<b>Course Code</b>	TIP 206
<b>Name of the Course in English</b>	Basis of Diseases
<b>Name of the Course in Turkish</b>	Hastalıkların Temelleri
<b>Language of the Course</b>	Turkish
<b>Type of Course</b>	Mandatory
<b>Level of Course</b>	Undergraduate
<b>Lecturer(s)</b>	Medical Biochemistry, Medical Pharmacology, Medical Microbiology, Medical Pathology Department Lecturers.
<b>Credits</b>	6
<b>ECTS</b>	8
<b>Description</b>	Changes in plasma levels and functions of proteins that play an acute phase response. Defense mechanisms against free radicals. Primary genetic disorders of plasma lipoproteins. Diagnostic biochemical and microbiological methods. Disease-affecting parasites. Pharmacokinetic and pharmacodynamic mechanisms of drugs. Mechanisms of action of drugs. Drug-drug and drug-plant interactions. Development steps of new drugs. Principles of prescribing and rational prescribing. Learn rational drug selection principles. Classification of antiseptic and disinfectants and application places and form. Classification of histamine and antihistaminic drugs and how to use them. What to do before using empirical antimicrobial drugs. Sensitivity tests and serum drug levels in clinical practice. Classification of drugs used in the treatment of infection, knowing where to use, ways to prevent or reduce side effects. Medications that require dose adjustment in renal or hepatic dysfunction.
<b>Resources</b>	<ol style="list-style-type: none"><li>1. Murray R.K., Granner D.K., Mayes P.A., Rodwell V.W. <i>Harper'in Biyokimyası</i>, 24. Baskı, 1996.</li><li>2. Robins and Cotran Pathologic Basis of Disease, Elsevier Saunders, 8th Edition, 2010</li><li>3. Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Prof Dr. S. Oğuz Kayaalp.</li><li>4. Diagnostic Microbiology Koneman EW, Allen SD, Janda WM, Schreckenberger PC, Winn WC. Lipincott Company</li></ol>

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Evaluation System			
Works within the Year/Semester	Number	Contribution Percentage	
Percentage of the Midterm Exams to the Overall Achievement	3	50	
Percentage of the End of Year Exams to the Overall Achievement	1	50	
Total	4	100	
ECTS/Workload Chart			
Activity	Number (T+P)	Period	Total Workload
Course Period	140+20	6 Weeks	160 Hours
Midterm Exams	3	3 Hours	3 Hours
End of Semester Exam	1	1 Hour	1 Hour
Other Works			
Course Credit			8