

HARRAN UNIVERSITY

Code of the course : 0804622

Name of the course : Microbiology laboratory

Name of the instructor who taught the course last semester: Prof. Dr. Çiğdem KÜÇÜK

Name of the course	Code	Term	T + P	Credit	ECTS
Microbiology laboratory	0804622	6	0+2	1	2

Type of the course (Obligatory/Elective)		Obligatory			
Name of the instructor who taught the course last semester		Prof. Dr. Çiğdem KÜÇÜK			
Aim and goals of the course		To teach the basic techniques used in the microbiology laboratory.			
Contents of the course		As described in lecture content			
Weeks	Semester Teaching Plan				
1	Rules to be followed in the laboratory				
2	Presentation equipment and utensils used in the laboratory				
3	Sterilization, disinfection				
4	Preparation of Media and Media				
5	Preparation of microorganism culture				
6	Morphological analysis of bacteria, simple painting				
7	Gram staining				
8	Midterm				
9	Capsule staining, negative staining				
10	Examination of the mobility of microorganisms				
11	Dimensions of micro-organisms				
12	Microorganisms in the chemical and physical factors on the effects of antibiotic test				
13	Determination of the number of living microorganisms				
14	Biochemical properties of bacteria				
15	Final				
References					
Çotuk, A., Küküer, M.A. (1995). Biyologlar için mikrobiyoloji laboratuvar kılavuzu. Ankara: Nobel Tıp Kitapevi Ltd. Şti. 2. baskı.					
Demirbağ, Z., Demir, İ. (2005). Genel Mikrobiyoloji Laboratuvarı. Trabzon: Esen Ofset Matbaacılık, 2. Baskı.					
Gürgün, V., Halkman, A.K. (1990). Mikrobiyolojide sayım yöntemleri. Ankara: Gıda Teknolojisi Derneği Yayın No:7.					
Prescott, L.M., Harley, J.P., Klein, D.A. (1999). Microbiology, 4 th ed. VonHoffman Press, USA.					
Evaluation					

Onewrittenmidtermexam (40%), onewritten final exam (%60).