

HARRAN UNIVERSITY

Code of the course : 0804623

Name of the course : Microbiology

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	0804623	6	3+0	3	4

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	Microbiology and explain the importance of microorganisms, the general characteristics of microorganisms, their structure, metabolism, proliferation, feeding, to give information about the controls
Contents of the course	As described in lecture content
Weeks	Semester Teaching Plan
1	Introduction, definition of Fungus
2	Prokaryotic cell and cell components
3	Eukaryotic cells,
4	The differences between eukaryotic and prokaryotic cells
5	Nutrition and growth conditions of microorganisms
6	Microbial metabolism
7	Microbial diversity-I, archaea and bacteria
8	Midterm
9	Viruses and viral classification
10	Microbial diversity-II, alg, protistler
11	Fungi
12	Microbial genetics, mutations
13	Microbial ecosystems, carbon, nitrogen, phosphorus, sulfur, iron Cycles
14	Microbial diagnostic methods
15	Final
References	
Arda, M. (2000). Temel Mikrobiyoloji. Ankara: Medisan Yayın Serisi no 46, Ankara: Medisan Yayınevi.	
Güven S. (2003). Genel Mikrobiyoloji, Çanakkale 18 Mart Üniversitesi Mühendislik Mimarlık Fakültesi Gıda Mühendisliği Bölümü yayını. 173 sayfa.	
Öner, M. (1996). Genel Mikrobiyoloji. Ege üniversitesi Fen Fakültesi Kitaplar Serisi No:94, 2. Baskı	

Özdemir, S. (1998). Genel Mikrobiyoloji. Isparta: Süleyman Demirel Üniversitesi Yayın no:1
Prescott, L.M., Harley, J.P., Klein, D.A. (1999). Mikrobiology, 4th ed. VonHoffmanPress, USA.
Prescott, L.M., Harley, J.P., Klein, D.A. (1999). Microbiology, 4th ed. VonHoffmanPress, USA.

Evaluation

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