

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri
Syllabus

Course Title and Code	ADHESION MOLECULES BIO 480
Instructors	Fadime KIRAN, Assoc. Prof.
Course Level	Bachelor's Degree
Course Credit	2.0 (AKTS 3.0)
Course Type	Elective
Course Content	Structure, function and classification of adhesion molecules, adhesion molecules of immunoglobulin super family, integrins, selectins, mucin-like adhesion molecules, calcium-dependent adhesion molecules (immune system) adhesion receptors, wound healing, leukocyte migration and inflammation adhesion molecules, leukocyte migration mechanism control of leukocyte adhesion, impairment of leukocyte adhesion, regulation of adhesion molecules
Course Goals	To provide information about the structures and functions of molecules that play an important role in the beginning of many biological events, which enable cells to recognize and adhere to each other, and to provide an understanding of the molecular basis of cell-cell adhesion and cell-cell extracellular matrix adhesion.
Learning Outcomes	1) Explains the structure, function and classification of adhesion molecules. 2) Associates cell-cell, cell-matrix adhesion with the function and life of the cell. 3) Distinguishes the both the intracellular and the soluble adhesion molecules which have physiological importance.
Course Time	2+0
Language of Instruction	English
Prerequisites	None
Recommended Sources	1) Isacke CM, Horton MA. The Adhesion Molecule. Facts Book. Second Edition. Academic Pres, 2000. 2) Ley K (ed). Adhesion Molecules: Function and Inhibition. Birkhauser Verlag AG, 2007.