

**Ankara Üniversitesi**  
**Kütüphane ve Dokümantasyon Daire Başkanlığı**  
**Açık Ders Malzemeleri**

**Ders izlence Formu / Syllabus**

<b>Dersin Kodu ve İsmi</b> <i>Course Title and Code</i>	CEN422 Enzyme Engineering
<b>Dersin Sorumlusu</b> <i>Course Coordinator</i>	Prof.Dr.Zekiye Serpil Takaç
<b>Dersin Düzeyi</b> <i>Course Level</i>	Undergraduate
<b>Dersin Kredisi</b> <i>Course Credits</i>	3
<b>Dersin Türü</b> <i>Course Type</i>	Elective
<b>Dersin İçeriği</b> <i>Course Content</i>	Enzymes, properties of enzyme reactions, enzyme kinetics, immobilized enzyme systems, enzyme production in bioprocesses, enzyme reactors, industrial applications of free and immobilized enzymes
<b>Dersin Amacı</b> <i>Course Goals</i>	To teach the importance of enzymes and enzyme reactions
<b>Dersin Süresi</b> <i>Office Day-Hours</i>	3 h a week
<b>Eğitim Dili</b> <i>Language of Instruction</i>	English
<b>Ön Koşul</b> <i>Prerequisites</i>	none
<b>Önerilen Kaynaklar</b> <i>Recommended Sources</i>	1. Bailey JE and Ollis DF, 1986. Biochemical Engineering Fundamentals, McGraw Hill, 2 <sup>nd</sup> ed. NY. 2. Segel, I.H., 1975. Enzyme Kinetics, John Wiley&Sons, NY. 3. Shuler, ML and Kargı F, 1992. Bioprocess Engineering Basic Concepts, Prentice Hall, NJ.
<b>Dersin Kredisi (AKTS)</b> <i>ECTS</i>	5
<b>Laboratuvar</b> <i>Laboratory</i>	none
<b>Diğer-1</b> <i>Others</i>	--