Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Ders izlence Formu

Dersin Kodu ve İsmi	**CHE 212 FLUID MECHANICS**
Dersin Sorumlusu	Doç.Dr. Ayşe Karakeçili
Dersin Düzeyi	Lisans
Dersin Kredisi	AKTS 6
Dersin Türü	Zorunlu
Dersin İçeriği	Introduction, Properties of fluids, Dimensional analysis, Fluid statics, Fluid flow phenomena , Basic equations of fluid flow, Flow similarity, Laminar flow, Momentum balances, Boundary layers, Mechanical energy equation, Friction, Pumps¸ Flow past immersed bodies, Packed beds, Metering of fluids, Agitation and mixing of liquids
Dersin Amacı	Fluids, fluids behaviour at different fluid regimes, velocity profiles using momentum shell balance, calculation of friction losses and pump power using energy balances
Dersin Süresi	4 saat
Eğitim Dili	İngilizce
Ön Koşul	Yok
Önerilen Kaynaklar	1. Geankoplis C.J., Transport Processes and Unit Operation, 4th Edition, PTR Prentice Hall, 2003. 2. McCabe, W.L., Smith, J.C., Harriott, P., Unit Operations of Chemical Engineering, 7th Edition, McGraw Hill, 2005. 3. Fox, R. W., A. T. McDonald, and P.J. Pritchard, Introduction to Fluid Mechanics, John Wiley & Sons, 6th Edition, 2003. 4. Munson, B.R., Young, D.F., Okiishi, T.H., Fundamentals of Fluid Mechanics, 2nd Edition, 1994. 5. Perry,R.H., Green,D., Perry's Chemical Engineers' Handbook, 7th ed., McGraw Hill, 1997.
Dersin Kredisi	AKTS 6
Laboratuvar	-
Diğer-1	-