

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Ders izlence Formu

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| Dersin Kodu ve İsmi | CHE309, Engineering Thermodynamics |
| Dersin Sorumlusu | Prof.Dr. Nuray Yıldız |
| Dersin Düzeyi | Bachelor's Degree |
| Dersin Kredisi | (22)3 |
| Dersin Türü | Compulsory |
| Dersin İçeriği | Refrigeration and liquefaction, Solution thermodynamics and applications, VLE at low to moderate pressure, Thermodynamic properties and VLE from equations of state, Phase equilibria, Chemical-reaction equilibria, thermodynamic analysis of ideal and actual processes |
| Dersin Amacı | Teaching the laws and the applications of thermodynamics |
| Dersin Süresi | 14 hafta |
| Eğitim Dili | English |
| Ön Koşul | - |
| Önerilen Kaynaklar | <p>Textbook: J. M. Smith, H. C. Van Ness, M.M. Abbott, Introduction to Chemical Engineering Thermodynamics, Seventh edition, McGraw-Hill International Editions, 2005.</p> <p>Supplementary References Stanley I. Sandler, Chemical and Engineering Thermodynamics, Third edition John Wiley & Sons Inc, 1998. J. Richard Elliott, Carl T. Lira, Introductory Chemical Engineering Thermodynamics, 2nd edition Prentice Hall International Series in the Physical and Chemical Engineering Sciences, 1999. G. J. Van Wylen, R. E. Sonntag, Fundamentals of Classical Thermodynamics, Third Ed. John Wiley & Sons Inc, 1985. M. David Burghardt, Engineering Thermodynamics with Application, Third Ed. Harper & Row Inc, 1986. Y. A. Çengel, Michael A.Boles, Thermodynamics: An Engineering Approach, ISE Edition, McGraw-Hill, 1997. Michael J. Moran Howard N. Shapiro, Fundamentals of Engineering Thermodynamics, Sixth Ed. John Wiley High Education, 2010. Y. Sarıkaya, Fizikokimya, Gazi Büro Kitapevi, Ankara, 1997. Y. Sarıkaya,, Mühendislik Termodinamiği, Gazi Büro Kitabevi, Ankara, 1998. Yıldız, S., Yılmaz, H., Kılıç, E., Fizikokimya-P W Atkins, Bilim Yayıncılık, 2001. Yalçın, H., Gürü, M. Uygulamalı Mühendislik Termodinamiği, Palme Yayıncılık, Ankara, 1999.</p> |
| Dersin Kredisi | (2,2)3 |
| Laboratuvar | - |
| Diğer-1 | - |

