**Ankara Üniversitesi  
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Ders izlence Formu

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| --- | --- |
| Dersin Kodu ve İsmi | CEN 202 Thermodynamics |
| Dersin Sorumlusu | Prof. Dr. Zeki Aktaş |
| Dersin Düzeyi | Lisans |
| Dersin Kredisi | 3 |
| Dersin Türü | Zorunlu |
| Dersin İçeriği | Introduction  2) The First Law and Other Basic Concepts  3) Volumetric Properties of Pure Fluids  4) Heat Effects  5) The Second Law of Thermodynamics  6) Thermodynamic Properties of Fluids  7) Applications of Thermodynamics to Flow Processes  8) Production of Power from Heat |
| Dersin Amacı | Defines the basic concepts and laws of thermodynamics and applies them to Chemical Engineering systems |
| Dersin Süresi | 3 saat/hafta |
| Eğitim Dili | İngilizce |
| Ön Koşul | - |
| Önerilen Kaynaklar | Text Book: : “INTRODUCTION TO CHEMICAL ENGINEERING THERMODYNAMICS”, J. M. Smith, H. C. Van Ness, M. M. Abbott, M. T. Swihart. EIGHTH EDITION. 2018  References:  . Chemical and Engineering Thermodynamics: Stanley I. Sandler  . Introductory Chemical Engineering Thermodynamics: J. Richard Elliott, Carl T. Lira  . Fundamentals of Classical Thermodynamics: Gordon J. Van Wylen, Richard E. Sonntag, Claus Borgnakke  . Engineering Thermodynamics with Applications: M. David Burghardt  Thermodynamics: An Engineering Approach: Yunus A. Çengel, Michael A. Boles |
| Dersin Kredisi (AKTS) |  |
| Laboratuvar | - |
| Diğer-1 | - |