**Ankara University  
Library and Documantation Center**

**Open Courseware**

syllabus

|  |  |
| --- | --- |
| Code and name of the course | MTH0102 Calculus II |
| Instructor(s) | Assoc. Prof. Dr. Mehmet Ünver  Assoc. Prof. Dr. Gizem Seyhan Öztepe  Assoc. Prof. Dr. Murat Olgun |
| Level | Undergraduate |
| Course Duration | 4 hour/week |
| Course describtion | Evaluation and applications of the definite integral, improper integral, Definition of the sequence and the series, power series, multivariable functions and their limit, continuity, partial derivatives, double and triple integrals, evaluation of triple integrals in cylindric and spherical coordinates and their applications |
| Course aims & Objectivties | This lecture deals with definite integral and its applications, sequence and series and their convergence, Taylor series, definition of multivariable function and partial definiton, evaluation of double and triple integration and their applications. |
| Language of Instruction | English |
| Prerequisites | - |
| Recommended Sources | 1. Thomas’Calculus, George B. Thomas, Pearson 2005.  2. Calculus, James Stewart, Thomson 2003.  3. Calculus with Analytic Geometry, C.H. Edwards, D.A. Penney, Prentice Hall, 1997. |
| Course credit | 4 |
| Laboratuvar |  |
| Others-1 |  |