**Ankara Üniversitesi  
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Ders izlence Formu / Syllabus

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| Dersin Kodu ve İsmi  Course Title and Code | GEO222 Statics and Strength of Materials |
| Dersin Sorumlusu  Course Coordinator | Doç. Dr. Koray ULAMIŞ |
| Dersin Düzeyi  Course Level | Undergraduate |
| Dersin Kredisi  Course Credits | 3 |
| Dersin Türü  Course Type | Compulsory |
| Dersin İçeriği  Course Content | Laws of motion, vector and force concepts, equilibrium, force systems, moment, center of gravity, slender members and diagrams, stress types and stress induced strain, Mohr's diagrams, stresses in 2D and 3D, basics of elasticity and plasticity |
| Dersin Amacı  Course Goals | * Main aims of the course are learning the fundamentals of statics and mechanics with their engineering applications |
| Dersin Süresi  Office Day-Hours | 3 |
| Eğitim Dili  Language of Instruction | English |
| Ön Koşul  Prerequisites | N/A |
| Önerilen Kaynaklar Recommended Sources | Beer, F.P., Johnston, E.R., DeWolf, J.T., Mazurek, D.F., 2011. Statics  and mechanics of materials. McGraw-Hill, 736 pp.  Den Hartog, J.P., 2014. Advanced Strength of Materials, Dover Civil and  Mechanical Engineering, 400 p.  Ersoy, U., Wasti, S.T., Canbay, E., 2008. Introductory mechanics of  deformable bodies. METU.  Meriam, J.L., Kraige, L.G.,1987. Engineering Mechanics: Statics, Second  Edition. Wiley, 454 pp.  Potter, M., Nash, w., 2019. Schaum' s Outline of Strength of Materials,  Seventh Edition, McGraw-Hill, 287 P. |
| Dersin Kredisi (AKTS)  ECTS | 5 |
| Laboratuvar  Laboratory | N/A |
| Diğer-1  Others | N/A |