**Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Ders izlence Formu / Syllabus

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| Dersin Kodu ve İsmiCourse Title and Code | GEO222 Statics and Strength of Materials |
| Dersin SorumlusuCourse Coordinator | Doç. Dr. Koray ULAMIŞ |
| Dersin Düzeyi Course Level | Undergraduate |
| Dersin KredisiCourse Credits | 3 |
| Dersin Türü Course Type | Compulsory |
| Dersin İçeriğiCourse 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
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| 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 |
| LaboratuvarLaboratory | N/A |
| Diğer-1 Others | N/A |