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## **Mechanics Laboratory | California State University, Northridge**

deformable solids, fluids, and gasses. Physical properties of engineering materials are studied in the classroom and are tested in the laboratory. General physical laws are given mathematical expression and are made suitable for use in the solution of specific problems in machine and structural design, and in the flow and measurement of fluids.

## **EN GINEERING MECH ANICS**

Online Solid Mechanics Course. ME 211 - Taught by Kirill Zaychik. This required course mechanical engineering undergraduate course is designed to extend the student's knowledge of mechanics to include deformable body mechanics. The main focus of this course is on the deformation of the body when subject to external loading.

## **Online Mechanical Engineering Courses - Mechanical ...**

Govindjee, S., ``Engineering Mechanics of Deformable Solids: A Presentation with Exercises," Oxford University Press, Oxford (2013). Available in print from Amazon as well as directly from Oxford University Press (USA) and Oxford University Press (UK) .

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**Sanjay Govindjee | Civil and Environmental Engineering**

Statics of Deformable Solids Profusely illustrated text provides a full exposition of fundamentals of solid mechanics and principles of mechanics, statics, and simple statically indeterminate systems, plus strain and stress in three-dimensional solids, elementary elasticity, stress-strain relations for plastic solids, and energy principles in solid continuum. 1965 edition.

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