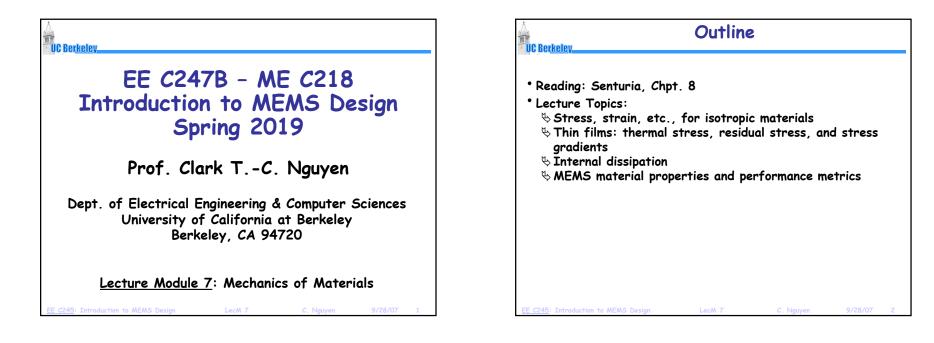
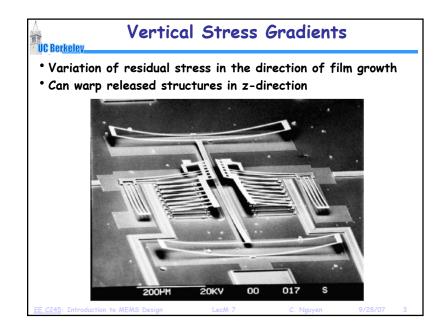
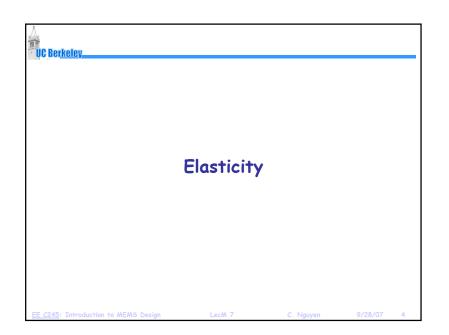
<u>EE 247B/ME 218</u>: Introduction to MEMS Design <u>Lecture 10m2</u>: Mechanics of Materials

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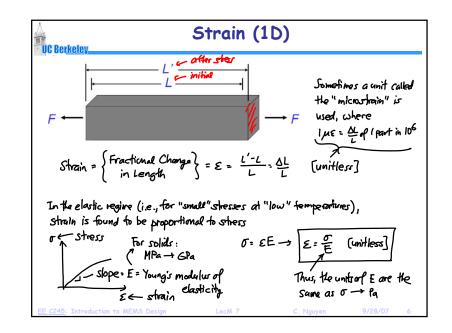




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Normal Stress (1D) **UC Berkele** If the force acts normal to a surface, then the stress is called a normal stress Force assumed uniform over = 0 = <u>F</u> A Stress = {Foræper } unit area } [N/m²: Pa] the whole area A Standard mks unit ⇒ Microscopic Definition. force per unit area acting on the surface of a differential volume element of a solid body Δz = Note: assume stress acts uniformly across **κ**σ., the entire surface of the element. х ≰ Ду not at just a point Differential volume element



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