Remarque
This is an advanced continuum mechanics class, taught in an inverted class. A small group of students (max. 15) will read class material at home and come with questions to class.

Summary
Reading class of classic text book of Lawrence Malvern "Introduction to the Mechanics of a Continuous Medium". A special emphasis will be put on advanced topics, including finite kinematics, and non-linear material behavior. Applications will cover both solids and structures fluid mechanics.

Content
The whole book of Malvern will be covered

Learning Prerequisites
Required courses
Introduction to continuum mechanics

Teaching methods
Inverted class
Class discussion

Expected student activities
Reading of a textbook. Solve weekly exercises

Assessment methods
Oral exam:
30 min of preparation for two exercises and discussion of these exercises on board for 30 min.

Resources
Bibliography
Lawrence Malvern, "Introduction to the mechanics of a continuum medium".
• Lawrence Malvern, "Introduction to the mechanics of a continuum medium"

Moodle Link
• http://To be announced