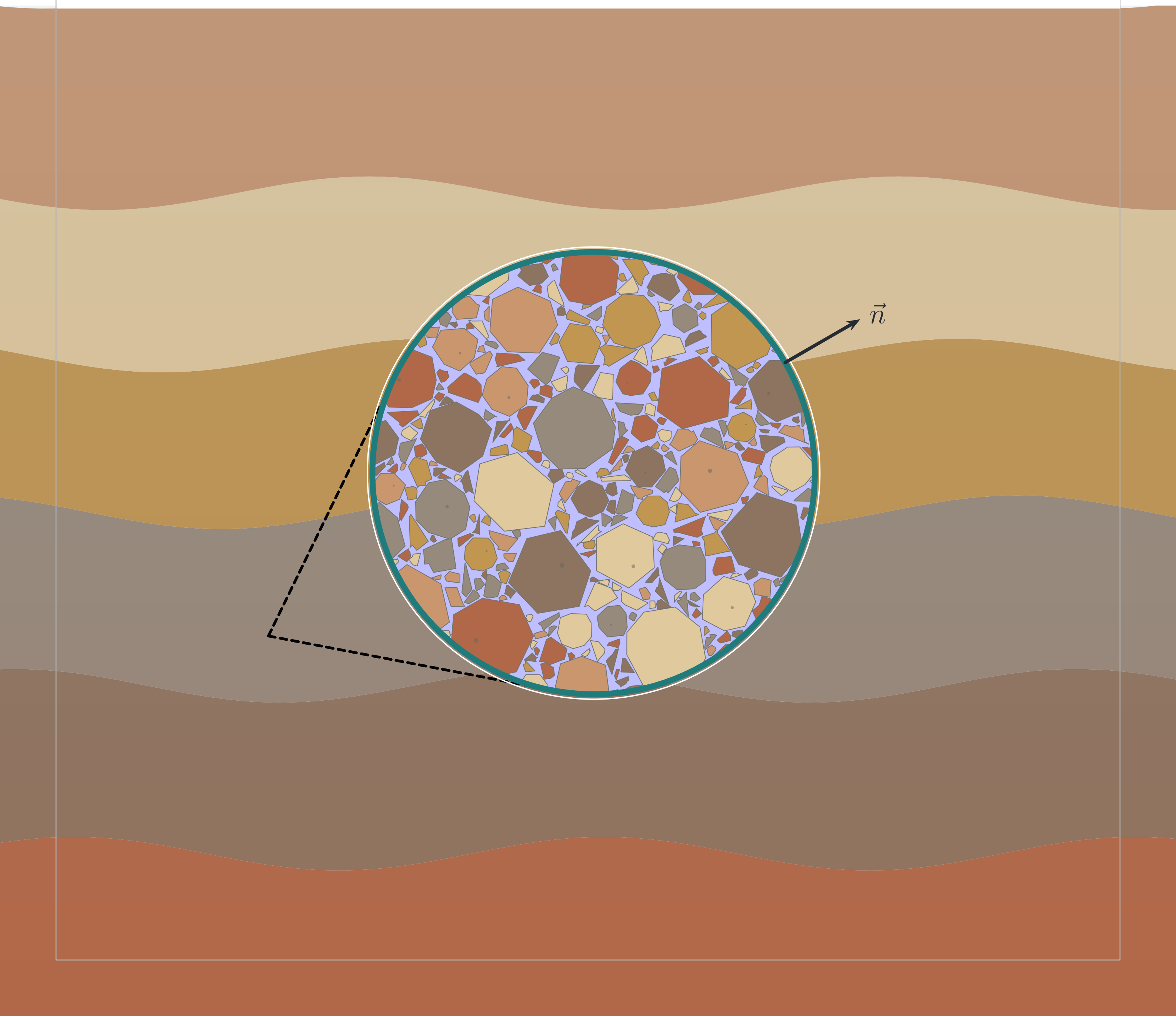
Lecture notes • Geological Systems Engineering

Lecture Series in Porous Media

Concepts, Methods and Applications
Focused on Geological Systems Engineering

Hadi Hajibeygi
Professor of Geo-Energy Solid and Fluid Mechanics • TU Delft • Summer 2026

Release Note: This book is a work in progress. It currently spans 8 chapters.
Further chapters (e.g. multiphase flow, numerical methods, well testing) are planned.



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Materials are relevant to the courses:
Dynamics of Solids and Fluids, Multiphase Flow in Porous Media,
Grand Challenges in Earth Sciences, Subsurface Storage, Reservoir Simulation,
and Fluid Dynamics.

Based on the Video Lectures available on the course YouTube channel.

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