

## **Upcoming SP-PM Course:** **PORE 1-3 Multiphase flow & transport in porous media**



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### **Summary of the Course:**

This course will introduce students to basic principles in multiphase flow in porous media.

### **Course Topics:**

- Fluid displacement in a capillary tube, the role of interfacial tensions and wetting, Navier-Stokes Equations
- Flow regimes and wetting, capillary number, and viscosity ratios
- Drainage, Imbibition, and steady state flow
- Darcy's law for multiphase flow, pending questions
- Special cases I: gasses, three phase flow, emulsions
- Special cases II: species transport during multiphase flow, non-Newtonian

**Duration:** 12 hours total (3 hours per week)

**Location:** Online

**Dates:** The course will take place January 8 to January 29, 2024. The dates and times are as follows.

- Monday, January 8, 2024 (19:00-22:00 CET)
- Monday, January 15, 2024 (19:00-22:00 CET)
- Monday, January 22, 2024 (19:00-22:00 CET)
- Monday, January 29, 2024 (19:00-22:00 CET)

### **Registration fees:**

InterPore Student Member: 100€  
InterPore Academic Member: 150€  
InterPore Industry Member: 200€

InterPore Student Non-Member: 125€  
InterPore Academic Non-Member: 190€  
InterPore Industry Non-Member: 300€

[Click here to register](https://www.interpore.org/pore-1-3-multiphase-flow-and-transport-in-porous-media/)

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Learn more about the InterPore Academy Study Plan in Porous Media [here](#).