Summary
The aim of the course is to give a theoretical and practical knowledge of the finite element method for saddle point problems, such as fluid dynamics, elasticity and electromagnetic problems.

Content

Learning Prerequisites
Required courses
Analysis I II III IV, Numerical Analysis, Advanced numerical analysis, Sobolev spaces and elliptic equations, Numerical Approximations of PDEs I

Assessment methods
Oral exams and evaluation of the report of a mini-project.

Resources
Notes/Handbook
Notes for each lectures will be provided every week.