

# Lecture plan for the winter semester 2014

## EM Theory

Electrodynamics and  
Maxwell's Equations I

18.09.2014

Electrodynamics and  
Maxwell's Equations II

25.09.2014

Finite Element Method  
for Electromagnetics -  
Introduction

02.10.2014

Introduction into  
MATLAB and COMSOL

09.10.2014

## Numerical Methods

Finite Element Method  
for Electromagnetics

16.10.2014

23.10.2014

Other Methods

30.10.2014

Finite Difference Method

06.11.2014

13.11.2014

FEM for Mechanics

20.11.2014

FEM for Thermics

27.11.2014

Coupled Fields Analysis

04.12.2014

EMC in Micro- and Nano-  
Structures

11.12.2014

Concluding remarks

18.12.2014

14 Lectures + 14 Exercises  
2 + 2 hours a week



**HSR**

HOCHSCHULE FÜR TECHNIK  
RAPPERSWIL

FHO Fachhochschule Ostschweiz