

Molecular Properties

Course code: NM:OC6

ECTS points: 8

Course contents: Time and spatial symmetry, electromagnetic fields, exact and approximate response theory, vibrational properties and the effects of vibrations on molecular properties, response functions and spectroscopy, the effects of the surrounding on molecular properties

Language of instruction and examination: English

Teaching methods: Intensive lectures and exercise sessions over a period of 1-2 weeks

Teaching semester: Spring

Examination semester: Autumn, Spring

Assessment methods: Oral examination

Grading: Letter grades (A-F)

Recommended reading, syllabus: P. Norman, K. Ruud, and T. Saue, "Response Properties of Molecular Materials" (currently in manuscript, to be published by Wiley).