



Visiting Professor Program Academic Year 2024/2025

TEACHING COMMITMENT: 20 hours

COURSE TITLE

Magnetic Resonances

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Inorganic Chemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course provides an introduction to magnetic resonance spectroscopies explaining the basic principles of nuclear and electron magnetic resonance. Emphasis is given on applications, including problem-solving strategies for spectral interpretation and consequent molecular structure determination. The teaching activity of the Visiting Professor will be limited to Electron Paramagnetic Resonance (EPR).

LEARNING OBJECTIVES

At the end of the course, students are expected to master the basic principles and main application of EPR spectroscopy. The students are expected to understand and assign EPR spectra and propose the corresponding chemical structure. They should also be able to make informed statements about the validity of any results.

VISITING PROFESSOR PROFILE

The candidate should have a proven track record in EPR Spectroscopy, with documented teaching activity at undergraduated and postgraduate level.

CONTACT REFERENT

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