



Universidade do Minho



Curricular Unit

Advanced Physics Topics 1

Module

Spectroscopic techniques for the characterization of materials (STCM)

Type

Lecture course

Contact hours

18

Professor/Researcher in charge

Luis Carlos, U. Aveiro

Summary of Contents

Optical properties;

- Photoluminescence in steady state and time resolved (emission spectra and emission decay curves) modes.
- Quantification of the emission features (Absolute quantum yield, photometric and radiometric parameters, colour coordinates)
- Ellipsometry. Fundamentals and applications. Structural modelling.

Electric properties; EPR

Evaluation

Written Test (3h), May 13, 2014.

Juri

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