

Module Title: Laboratory Skills
Module Code: QM0803
Maximum Number of Students: 10
Total ECTS Credits 2
Notional Learning Hours (a) Contact Time - 10h (b) Private Study - 40h Format of Teaching: Lectures 0 h Laboratories or Practicals 0 h Other 10 h Teaching Strategy: Informal tutorials
Convener: I. Cavaco, A R Garcia, M C Mateus, A Newton, J Pinheiro
University: University of Algarve
Language of Tuition: English
Module Description - The Purpose or Aims: In this module students learn how to plan, perform and report a laboratory experiment, and train their skill in simple techniques usually performed in the laboratory: mass and volume measurement, potentiometric measurements, spectroscopic measurements. The emphasis is on the measuring the errors involved and perfecting personal skills.
Learning Outcomes: At the end of the module the learner is expected to be able to: <ul style="list-style-type: none"> - Prepare a laboratory experiment: plan laboratory work considering time, cost, equipment and consumables and safety; - Perform a laboratory experiment: organize the work, keep laboratory notes and use correctly diverse equipment for mass and volume measurements, potentiometry and spectrophotometry. - Describe a laboratory experiment through a laboratory report.
Summary of Course Content: This module is not taught as a unit but runs throughout the course. Students may already have some of the skills described prior to attending the programme. In this module students will be given the opportunity to learn and/or demonstrate that they have acquired and know how to utilise these skills.
Transferable Skills Taught: All learning outcomes from this course are transferable skills.

Assessment Methods:

The students will plan, perform and report laboratory work.

Assessment Criteria:

This module is of transferable skills, so it does not contribute with a mark to the final grade of the student.

Resource Implications of Proposal and Proposed Solutions:

Study notes will be available for students.