

Course Unit Description - (intmu)

(Interaction and Multimedia)

(Mestrado em Engenharia Electrotécnica e de Computadores)

Academic year: 2007/2008



Subject group: Electrónica e Telecomunicações

	Semestral	Compulsory	
Mode of study	Diurno	Hours/Week	T-Teórica 2
Year	1 ^o		PL-Prática-Laboratorial 2
Semester	2 ^o		OT-Orientação Tutorial 1

ECTS 6

Objectives

To acquire knowledge and know how in a large set of multimedia technologies.

Course Contents

Introduction to multimedia
- definition
- multimedia data
- basic technologies.
Multimedia applications
Multimedia data representation
- Information theory
- compression,
User Interfaces.
Multimedia networks
- requirements
- Streaming
- architectures and protocols.
- performance,
- digital TV

Recommended reading

Multimedia: Making it Work, Seventh Edition Tay Vaughan, OSBORNE/MCGRAW-HILL

Teaching Methods

Assessment methods

	Name
Subject group leader:	João Miguel Queiros Magno Leitão (JML)
Teacher responsible:	João Miguel Queiros Magno Leitão (JML)
Lecturer:	João Miguel Queiros Magno Leitão (JML)