Computer Vision
MAP-I Curricular Unit – 2011/12
Course Schedule

Date	Topics

14/11/2011	Professor: João Paulo Cunha
	- CV Fundamentals:
	    o Optics and image formation
	    o Digital image
	    o Colour models
	    o Noise

21/11/2011	Professor: João Paulo Cunha
	- Student paper presentation: Paper 1
	- CV Fundamentals:
	    o Filtering
	    o Enhancement

28/11/2011	Professor: Miguel Coimbra
	- Student paper presentation: Paper 2
	- Segmentation - Fundamentals:
	    o Thresholding
	    o Colour segmentation
	    o Region-based segmentation
	    o Mathematical morphology

5/12/2011	Professor: Miguel Coimbra
	- Student paper presentation: Paper 3
	- Segmentation - Advanced:
	    o Segmentation by clustering
	    o Segmentation by fitting

12/12/2011	Professor: Jaime Cardoso
	- Student paper presentation: Paper 4
	- Pattern recognition – Fundamentals:
	    o Definitions, Feature Vectors, Classes
	    o Principal component analysis

2/1/2012	Professors: Jaime Cardoso, Luís Teixeira
	- Student paper presentation: Paper 5
	- Pattern recognition – Advanced:
	    o Statistical pattern recognition
	    o Neural networks
	    o Support vector machines

9/1/2012	Professor: Luís Teixeira - Student paper presentation: Paper 6 - Pattern recognition – Advanced: o Pattern recognition for computer vision
16/1/2012	- Final Exam