

Course: ADVANCED TOPICS IN COMPUTATIONAL AND PERCEPTIONAL SYSTEMS**ASSIGNMENTS****SCOPE**

Based on the Syllabus established for this year:

- 1) Select (at least) two units of the proposed units.
- 2) For the selected units perform a joint work, whose assessment will be made by the corresponding professors (of the selected units).
- 3) The work may take the following forms:
 - a. Development of a prototype and corresponding report
 - b. Realization of field work (e.g. in an external research group) and corresponding report
 - c. Preparation of a monography on a specific topic.
- 4) The written outcome should include references to bibliography, main research groups and current hot topics on the chosen area.
- 5) Prepare 1- 4 pages synthesis of the work per unit.
- 6) Prepare a Powerpoint presentation.

EVALUATION CRITERIA

The following aspects will be considered:

- Demonstration of the level of understanding of the area and capacity to structure, interlink and synthetize concepts, trends and challenges.
- Synthesis and critical spirit capabilities.
- Quality of identified bibliographic references.
- Identification of main players and research agenda in the area (main research groups and current hot topics).
- Quality of the presentation and discussion.

TIMING

- The works developed will be evaluated in a public presentation seminar that will take place in July.
- The reports should be delivered at least one week before the presentation seminar.
- The presentation will include up to 40 min presentation and up to 20 min discussion.
- All presentations (of all students) will take place in the same day

Responsible professor: Luis Gomes

Other professors involved: J. M. Fonseca, R. Gonçalves, P. Sousa, J. P. Pimentão, A. Costa,
A. Mora, F. Moutinho.