1. COURSE

CS404. Research Workshop (Mandatory)

2. GENERAL INFORMATION

2.1 Course	:	CS404. Research Workshop	
2.2 Semester	:	10th Semester.	
2.3 Credits	:	4	
2.4 Horas	:	8 HP;	
2.5 Duration of the period	:	16 weeks	
2.6 Type of course	:	Mandatory	
2.7 Learning modality	:	Face to face	
2.8 Prerrequisites	:	CS403. Capstone Project III. (10th Sem)	

3. PROFESSORS

Meetings after coordination with the professor

4. INTRODUCTION TO THE COURSE

This course aims to enable students to complete properly their draft of thesis.

5. GOALS

- That the student completes this course with his thesis elaborated in sufficient quality as for an immediate support.

- That the student formally present the draft dissertation before the authorities of the faculty

- The deliverables of this course are:

  Parcial: Advancement of the thesis project including in the document: introduction, theoretical framework, state of the art, proposal, analysis and / or experiments and solid bibliography.

  Final: Full thesis document and ready to support in a period of no more than fifteen days.

6. COMPETENCES

1) Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions. (Assessment)

2) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline. (Assessment)

3) Communicate effectively in a variety of professional contexts.. (Assessment)

4) Recognize professional responsabilities and make informed judgments in computing practice based on legal and ethical principles. (Assessment)

5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline. (Assessment)

6) Apply computer science theory and software development fundamentals to produce computing-based solutions. (Assessment)

7) Develop computational technology for the well-being of all, contributing with human formation, scientific, technological and professional skills to solve social problems of our community. (Assessment)

7. TOPICS

Unit 1: Escritura del Borrador del trabajo de final de carrera (tesis) (60 hours)	
Competences Expected:	
Topics	Learning Outcomes
• Writing and correction of the work of end of career	• Experimental part completed (if appropriate to the project) [Evaluar] • Verify that the document complies with the thesis format of the course [Evaluar] • Delivery of the completed thesis draft and considered ready for public support (approval requirement)[Evaluar]
Readings : [IEE08], [Ass08], [Cit08]	

8. WORKPLAN

8.1 Methodology

Individual and team participation is encouraged to present their ideas, motivating them with additional points in the different stages of the course evaluation.

8.2 Theory Sessions

The theory sessions are held in master classes with activities including active learning and roleplay to allow students to internalize the concepts.

8.3 Practical Sessions

The practical sessions are held in class where a series of exercises and/or practical concepts are developed through problem solving, problem solving, specific exercises and/or in application contexts.

9. EVALUATION SYSTEM

********* EVALUATION MISSING ********

10. BASIC BIBLIOGRAPHY

[Ass08]   Association for Computing Machinery. *Digital Libray.* http://portal.acm.org/dl.cfm. Association for Computing Machinery, 2008.

[Cit08]   CiteSeer.IST. *Scientific Literature Digital Libray.* http://citeseer.ist.psu.edu. College of Information Sciences and Technology, Penn State University, 2008.

[IEE08]   IEEE-Computer Society. *Digital Libray.* http://www.computer.org/publications/dlib. IEEE-Computer Society, 2008.