



National University of Engineering (UNI)

School of Artificial Intelligence
Syllabus 2024-I

1. COURSE

CS404. Final Project III (Mandatory)

2. GENERAL INFORMATION

2.1 Course	:	CS404. Final Project III
2.2 Semester	:	10 th Semester.
2.3 Credits	:	6
2.4 Horas	:	2 HT; 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 Prerequisites	:	CS403. Final Project II. (9 th 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) Analizar un problema computacional complejo y aplicar los principios computacionales y otras disciplinas relevantes para identificar soluciones. (**Evaluar**)
- 2) Diseñar, implementar y evaluar una solución basada en computación para cumplir con un conjunto determinado de requisitos computacionales en el contexto de las disciplinas del programa. (**Evaluar**)
- 3) Comunicarse efectivamente en diversos contextos profesionales. (**Evaluar**)
- 4) Reconocer las responsabilidades profesionales y hacer juicios informados en el campo profesional de computación con principios éticos. (**Evaluar**)
- 5) Funcionar efectivamente como miembro o líder de un equipo involucrado en actividades apropiadas a la disciplina del programa. (**Evaluar**)
- 6) Aplicar la teoría de la computación y los fundamentos del desarrollo de software para producir soluciones basadas en computación. (**Evaluar**)
- 7) Desarrollar tecnología computacional buscando el bien común, aportando con formación humana, capacidades científicas, tecnológicas y profesionales para solucionar problemas sociales de nuestro entorno. (**Evaluar**)

7. TOPICS

Unit 1: Escritura del Borrador del trabajo de final de carrera (tesis) (60 hours)	
Competences Expected:	
Topics	Learning Outcomes
<ul style="list-style-type: none">• Writing and correction of the work of end of career	<ul style="list-style-type: none">• 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 Library*. <http://portal.acm.org/dl.cfm>. Association for Computing Machinery, 2008.
- [Cit08] CiteSeer.IST. *Scientific Literature Digital Library*. <http://citeseer.ist.psu.edu>. College of Information Sciences and Technology, Penn State University, 2008.
- [IEE08] IEEE-Computer Society. *Digital Library*. <http://www.computer.org/publications/dlib>. IEEE-Computer Society, 2008.