San Pablo Catholic University (UCSP)
Undergraduate Program in
Computer Science
SILABO

Universidad Católica San Pablo

CS404. Capstone Project III (Mandatory)

2020-I

1. General information		
1.1 School	:	Ciencia de la Computación
1.2 Course	:	CS404. Capstone Project III
1.3 Semester	:	10^{mo} Semestre.
1.4 Prerrequisites	:	CS403. Capstone Project II. (9^{th} Sem)
1.5 Type of course	:	Mandatory
1.6 Learning modality	:	Virtual
1.7 Horas	:	2 HT; 2 HP;
1.8 Credits	:	3

2. Professors

3. Course foundation

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

4. Summary

1. Escritura del Borrador del trabajo de final de carrera (tesis)

5. Generales 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. Contribution to Outcomes

This discipline contributes to the achievement of the following outcomes:

1) Analyze a complex computing problem and to 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. Content

UNIT 1: Escritura del Borrador del trabajo de final de carrera (tesis) (60)

Competences:

Content	**Generales Goals**
• Writing and correction of the work of end of career	• Experimental part completed (if appropriate to the project) [Assessment] • Verify that the document complies with the thesis format of the course [Assessment] • Delivery of the completed thesis draft and considered ready for public support (approval requirement)[Assessment]

Readings: IEEE-Computer Society (2008), Association for Computing Machinery (2008), CiteSeer.IST (2008)

8. Methodology

El profesor del curso presentará clases teóricas de los temas señalados en el programa propiciando la intervención de los alumnos.

El profesor del curso presentará demostraciones para fundamentar clases teóricas.

El profesor y los alumnos realizarán prácticas

Los alumnos deberán asistir a clase habiendo leído lo que el profesor va a presentar. De esta manera se facilitará la comprensión y los estudiantes estarán en mejores condiciones de hacer consultas en clase.

9. Assessment

Continuous Assessment 1 : 20 %

Partial Exam : 30 %

Continuous Assessment 2 : 20 %

Final exam : 30 %

References

Association for Computing Machinery (2008). *Digital Libray*. http://portal.acm.org/dl.cfm. Association for Computing Machinery.

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

IEEE-Computer Society (2008). *Digital Libray*. http://www.computer.org/publications/dlib. IEEE-Computer Society.