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

## CS404. Capstone Project III (Mandatory)

2021-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

**Lecturer**

- Alex Jesús Cuadros Vargas <acuadros@ucsp.edu.pe>
  - ¡¡PosDocIn¿¿ Ciencia de la Computación, ICMC-USP, Brasil, 2009.
  - PhD in Ciencia de la Computación, ICMC-USP, Brasil, 2007.
  - MSc in Ciencia de la Computación, ICMC-USP, Brasil, 2001.
- Jose Eduardo Ochoa Luna <jeochoa@ucsp.edu.pe>
  - PhD in Ciencia de la Computación, Universidade de Sao Paulo, Brasil, 2011.
  - MSc in Ciencia de la Computación, Universidade Federal de Mato Grosso do Sul - UFMS, Brasil, 2004.
- Juan Carlos Gutiérrez Cáceres <jcgutierrezc@ucsp.edu.pe>
  - PhD in Ciencia de la Computación, Universidad Nacional de San Agustín, Perú, 2013.
  - MSc in Ciencia de la Computación, ICMC-USP, Brasil, 2003.
- Edward Jorge Yuri Cayllahua Cahuina <ejcayllahua@ucsp.edu.pe>
  - MSc in Ciencia de la Computación, Universidade Federal de Ouro Preto, Brasil, .

### 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:

**a)** An ability to apply knowledge of mathematics, science. (**Assessment**)

**b)** An ability to design and conduct experiments, as well as to analyze and interpret data. (**Assessment**)

**c)** An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. (**Assessment**)

**e)** Understand correctly the professional, ethical, legal, security and social implications of the profession. (**Assessment**)

**f)** An ability to communicate effectively. (**Assessment**)

**h)** A recognition of the need for, and an ability to engage in life-long learning. (**Assessment**)

**i)** An ability to use the techniques, skills, and modern computing tools necessary for computing practice. (**Assessment**)

**l)** Develop principles research in the area of computing with levels of international competitiveness. (**Assessment**)

**7. Content**

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

**Competences: e,f,h,i,l**

| **Content** | **Generales Goals** |
|---|---|
| • Writing and correction of the work of end of career | • Experimental part completed (if appropriate to the project) [Assessment]<br>• Verify that the document complies with the thesis format of the course [Assessment]<br>• 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.