

# University de Piura (UDEP)

## Sillabus 2022-I

### 1. COURSE

CS361. Computational Vision (Elective)

### 2. GENERAL INFORMATION

2.1 Credits	:	4
2.2 Theory Hours	:	2 (Weekly)
2.3 Practice Hours	:	2 (Weekly)
2.4 Duration of the period	:	16 weeks
2.5 Type of course	:	Elective
2.6 Modality	:	Face to face
2.7 Prerequisites	:	CS262. Machine learning. (7 <sup>th</sup> Sem)

### 3. PROFESSORS

Meetings after coordination with the professor

### 4. INTRODUCTION TO THE COURSE

Research in Artificial Intelligence has led to the development of numerous relevant tonic, aimed at the automation of human intelligence, giving a panoramic view of different algorithms that simulate the different aspects of the behavior and the intelligence of the human being.

### 5. GOALS

- Evaluate the possibilities of simulation of intelligence, for which the techniques of knowledge modeling will be studied.
- Build a notion of intelligence that later supports the tasks of your simulation.

### 6. COMPETENCES

Nooutcomes

Nospecificoutcomes

### 7. TOPICS

Unit 1: Fundamental Issues (2)	
Competences Expected: a	
Topics	Learning Outcomes
<ul style="list-style-type: none"><li>• ...</li><li>• ...</li></ul>	<ul style="list-style-type: none"><li>• ... [Usage]</li><li>• ... [Usage]</li></ul>
Readings : [De 06], [Pon+14]	

### 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. PLANNING

DATE	TIME	SESSION TYPE	PROFESSOR
See at EDU	See at EDU	See at EDU	See at EDU

### 10. EVALUATION SYSTEM

\*\*\*\*\* EVALUATION MISSING \*\*\*\*\*

### 11. BASIC BIBLIOGRAPHY

[De 06] L.N. De Castro. *Fundamentals of natural computing: basic concepts, algorithms, and applications*. CRC Press, 2006.

[Pon+14] Julio Ponce-Gallegos et al. *Inteligencia Artificial*. Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn), 2014.