



National University of Engineering (UNI)

School of Computer Science
Syllabus 2024-II

1. COURSE

FG120FCCS. General Economy (Mandatory)

2. GENERAL INFORMATION

2.1 Course	: FG120FCCS. General Economy
2.2 Semester	: 8 th Semester.
2.3 Credits	: 3
2.4 Horas	: 2 HT; 2 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	: None

3. PROFESSORS

Meetings after coordination with the professor

4. INTRODUCTION TO THE COURSE

Understanding Peruvian reality is essential for future professionals, including those in computer science, so they can contribute to the country's development in an informed and responsible manner. This course analyzes the historical, social, economic, and political aspects of Peru, with an emphasis on current challenges and opportunities.

5. GOALS

- Analyze the historical processes that have shaped Peruvian national reality.
- Understand the main social, economic, and political challenges facing Peru.
- Identify development opportunities and the role of technology in building a better future for the country.

6. COMPETENCES

- 1) Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions. (Usage)
- 3) Communicate effectively in a variety of professional contexts.. (Usage)
- 4) Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles. (Usage)

AG-C01) The Professional and the World: Analyzes and evaluates the impact of solutions to complex computing problems on the sustainable development of society. (Assessment)

AG-C07) Computing Knowledge: Applies appropriate knowledge of mathematics, science, and computing. (Assessment)

7. TOPICS

Unit 1: History of Peru (8 hours)	
Competences Expected: 3,AG-C01,AG-C07	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • Pre-Hispanic Peru. • Colonial era. • Republican Peru: 19th and 20th centuries. 	<ul style="list-style-type: none"> • Describe the main periods of Peruvian history. [Familiarizarse] • Analyze the key events that have shaped national identity. [Usar] • Explain the influence of the past on Peru's current reality. [Evaluar]
Readings : [KlarÅn2012], [Cotler2005]	

Unit 2: Cultural and Social Diversity (8 hours)	
Competences Expected: 3,AG-C01,AG-C07	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • Cultural diversity of Peru. • Ethnic and linguistic groups. • Social inequality and exclusion. 	<ul style="list-style-type: none"> • Identify the different cultural groups that make up Peru. [Familiarizarse] • Analyze the causes and consequences of social inequality. [Usar] • Propose solutions to promote social inclusion. [Evaluar]
Readings : [Portocarrero2001], [Manrique1988]	

Unit 3: Peruvian Economy (8 hours)	
Competences Expected: 1,AG-C01,AG-C07	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • Economic structure of Peru. • Economic sectors: mining, agriculture, industry, services. • International trade. • Economic challenges and sustainable development. 	<ul style="list-style-type: none"> • Describe the economic structure of Peru. [Familiarizarse] • Analyze the importance of the different economic sectors. [Usar] • Evaluate economic policies and their impact on sustainable development. [Evaluar]
Readings : [Dancourt2013], [Hunt2018]	

Unit 4: Peruvian Political System (8 hours)	
Competences Expected: 1,4,AG-C07	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • Organization of the Peruvian State. • Democracy and governance. • Corruption and transparency. 	<ul style="list-style-type: none"> • Describe the organization of the Peruvian State. [Familiarizarse] • Analyze the challenges to democracy and governance in Peru. [Usar] • Evaluate the importance of transparency and the fight against corruption. [Evaluar]
Readings : [Tanaka2018], [Quiroz2013]	

Unit 5: Technology and Development in Peru (8 hours)	
Competences Expected: 1,AG-C01	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • The role of technology in Peru's development. • Digital divide and digital inclusion. • Technological innovation and entrepreneurship. 	<ul style="list-style-type: none"> • Analyze the importance of technology for Peru's economic and social development. [Familiarizarse] • Propose solutions to reduce the digital divide. [Usar] • Evaluate the potential of technological innovation and entrepreneurship in Peru. [Evaluar]
Readings : [PlanNacionaldeCompetitividad2019]	

Unit 6: Challenges and Opportunities for the Future (8 hours)	
Competences Expected: 1,AG-C01	
Topics	Learning Outcomes
<ul style="list-style-type: none"> • Sustainable development. • Peru's vision for 2050. • The role of professionals in building the future. 	<ul style="list-style-type: none"> • Analyze the challenges Peru faces in achieving sustainable development. [Familiarizarse] • Understand the long-term vision for the country's development. [Usar] • Reflect on the role of professionals in building a better future for Peru. [Evaluar]
Readings : [CEPLAN2021]	

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