

[GIK203] INNOVATION AND ENTREPRENEURSHIP

GENERAL INFORMATION

Studies	DEGREE IN COMPUTER ENGINEERING		Subject	?	
Semester	1	Course	4	Mention / Field of specialisation	???
Character	OPTIONAL		Language	ENGLISH	
Plan	2017	Modality	Adapted Face-to-face	Total hours	67.5 class hours + 45 non-class hours = 112.5 total hours
Credits	4,5	Hours/week	3.75		

PROFESSORS

IGARTUA LOPEZ, JUAN IGNACIO

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	(No previous knowledge required)

SKILLS

VERIFICA SKILLS

SPECIFIC

GIE403 - To be able to actively take part in the specification, design, implementation and maintenance of communication and information systems.

GENERAL

GIGC02 - To be able to manage activities, subject of the projects in the field of computer technologies

GIGC06 - To be able to devise and develop centralised or distributed computer architectures or systems, integrating hardware, software and networks

BASIC

G_CB3 - To be capable of gathering and interpreting relevant data (normally within their field of study) in order to make judgements, reflecting on relevant matters of a social, scientific or ethical nature

G_CB5 - To have developed learning abilities required to embark on subsequent studies with a high level of autonomy.

LEARNING RESULTS

RG1411 [!] *Realiza la reflexión Estratégida de la Innovación como proceso formal de la Organización*

LEARNING ACTIVITIES

	CH	NCH	TH
Individual study and work, tests and evaluations and check points	2 h.	2 h.	4 h.
Practices of problem solving and real or simulated context projects	2 h.	2 h.	4 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	2 h.	2,5 h.	4,5 h.

EVALUATION SYSTEM

Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices

Written, coding/programming and individual oral tests for the evaluation of technical skills in the field

Comments: Minimum grade: 5

W

30%

MAKE-UP MECHANISMS

Written, coding/programming and individual oral tests for the evaluation of technical skills in the field

Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.

CH - Class hours: 6 h.

NCH - Non-class hours: 6,5 h.

TH - Total hours: 12,5 h.

RG1412 [!] *Plantea itinerarios de Innovación para las organizaciones actuales.*

LEARNING ACTIVITIES

	CH	NCH	TH
Individual study and work, tests and evaluations and check points	2 h.	2 h.	4 h.
Practices of problem solving and real or simulated context projects	2 h.	2 h.	4 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	2 h.	2 h.	4 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.
Comments: Minimum grade: 5		
CH - Class hours: 6 h.		
NCH - Non-class hours: 6 h.		
TH - Total hours: 12 h.		

RG1413 [!] *Organiza la vigilancia tecnologica para la empresa y utiliza eficientemente técnicas para la Generación de Ideas Innovadoras.*

LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	1 h.		1 h.
Practices of problem solving and real or simulated context projects	1 h.	1 h.	2 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	1 h.	1 h.	2 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.
Comments: Minimum grade: 5		
CH - Class hours: 3 h.		
NCH - Non-class hours: 2 h.		
TH - Total hours: 5 h.		

RG1414 [!] *Identifica y traslada la oportunidad a un modelo de negocio competitivo.*

LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	2 h.	2 h.	4 h.
Practices of problem solving and real or simulated context projects	8 h.	10 h.	18 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	7 h.	3 h.	10 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.
Comments: Minimum grade: 5		
CH - Class hours: 17 h.		
NCH - Non-class hours: 15 h.		
TH - Total hours: 32 h.		

RG1415 [!] *Realiza un plan de negocio y un estudio de viabilidad*

LEARNING ACTIVITIES	CH	NCH	TH
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Individual study and work, tests and evaluations and check points	1 h.		1 h.
Practices of problem solving and real or simulated context projects	5 h.	5 h.	10 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	3 h.	2 h.	5 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS	
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.	
Comments: Minimum grade: 5			
CH - Class hours: 9 h.			
NCH - Non-class hours: 7 h.			
TH - Total hours: 16 h.			

RG1416 [!] <i>Aplicar los conceptos y herramientas de la innovación y el emprendizaje a un entorno práctico.</i>			
LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	1 h.		1 h.
Practices of problem solving and real or simulated context projects	15,5 h.	8,5 h.	24 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10 h.		10 h.
Comments: Minimum grade: 5			
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS	
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.	
Comments: Minimum grade: 5			
CH - Class hours: 26,5 h.			
NCH - Non-class hours: 8,5 h.			
TH - Total hours: 35 h.			

CONTENTS

1. BASIC CONCEPTS ON INNOVATION AND ENTREPRENEURSHIP
2. SOURCES OF INNOVATION - EMPHASIZE WITH USER NEEDS
3. PROBLEM DEFINITION AND IDEATION OF SOLUTIONS
4. COMPETITIVE SURVEILLANCE AND COMPETITIVE INTELLIGENCE
5. LEAN START-UP - VALUE PROPOSITION AND BUSINESS MODELS
6. BUSINESS PLAN AND PITCHING

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_Ink.pl?grupo=INFORMATICA41&ejecuta=15&
Technical articles	
Topic related web quires	
Moodle Platform	