Universida_{de}Vigo

Subject Guide 2023 / 2024

<i>/</i>		LPY XXX XIVA		
IDENTIFYIN	IG DATA			
Chemical R	isks in the Food Chain			
Subject	Chemical Risks in			
	the Food Chain			
Code	O01M142V01104			
Study	Máster	,	,	,
programme	Universitario en			
	Ciencia y			
	Tecnología			
	Agroalimentaria y			
	Ambiental			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Mandatory	1st	1st
Teaching	Spanish			
language	English			
Department				
Coordinator				
Lecturers	Otero Fuertes, María Paz			
	Simal Gándara, Jesús			
E-mail	jsimal@uvigo.es			
Web	http://https://www.facebook.com/jesus.simalgandara			
General	According to the *FAO/*WHO, the Alimentary Security			rson and anytime a
description	physical and economic access to the necessary alimer	itary products WIT	THOUT RISKS∏.	
	The alimentary risks can result: of accidents, of natura respecting the rules and the laws, of insufficient exam information, of the research of profit			
	The risk $[0]$ does not exist, but the alimentary product have to be *exentos of pathogenic microorganisms, of do not know the consequences on a long-term basis, expression of the consequences of the conse	waste of chemica		

Training and Learning Results
Code
Ā1
C4
D1

Expected results from this subject	
Expected results from this subject	Training and Learning Results
To1 Know the physical foundations, chemists and biological related with the foods and his technological processes	C4
To7 Know and comprise the concepts related with the hygiene along all the process of production,	A1
transformation, conservation, distribution of foods; this is to possess the necessary knowledges of microbiology, *parasitología and alimentary toxicology; as well as the concerning the hygiene of the personnel, products and processes	D1
To17 Capacity to Analyse and Evaluate the Alimentary Risks	C4
To18 Capacity to manage the alimentary security	C4
*B7 Purchase capacity in the taking of *decisións	A1
	D1
*B11 Skills of critical reasoning	A1
·	D1
*B13 autonomous Learning	A1
	D1

Contents	
Topic	
1. *CONTAMINANTES MICROBIOLOGICAL And PARASITIC	 Main responsible microorganisms of intoxications (virus, bacteria, yeasts and molds). *Protistas And other parasites (*protozoarios, seaweeds and *vermes). Prevention.
2. *CONTAMINANTES CHEMICAL	 Risks tied to the agriculture: *GMOs. Animal feeding. Phytosanitary. Risks tied to the environment: radioactive Rests. *PCBs, dioxins and *furanos. Residual waters. Natural toxins. Materials for alimentary contact. Risks tied to the alimentary habits: Reaction of *Maillard. *Nitrosaminas. *PAHs. *HCAs. Alcohol. Reduction of consumption of fats and cholesterol. Reduction of consumption of sugar. Free and antioxidant radicals. Risks tied to the treatments of conservation: Additives and technological auxiliaries. Ionisation. Allergies and alimentary intolerances: Symptoms. *Alérgenos Or *trofalérgenos. Allergies tied to alimentary technology. Modification of the *alergenicidad of proteins. Diagnostic. Labeling.

Planning			
	Class hours	Hours outside the classroom	Total hours
Essay	5	20	25
Essay Essay	5	20	25
Essay	5	20	25

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

Description

Personalized assistance		
Tests	Description	
Essay		
Essay		
Essay		

Assessment		
Description	Qualification	Training and Learning Results
EssayYour content will be valued	20	
EssayYour content will be valued 40		
EssayYour content will be valued 40		

Other comments on the Evaluation

Those students that can not assist to class, as long as they justify

it, have to negotiate in advance with the professor the way in that they will be evaluated.

Sources of information

Basic Bibliography

Complementary Bibliography

Proporcionada polo profesor,

Unión Europea, **Peligros químicos en nuestros alimentos**, Unión Europea, 2019

Recommendations

Other comments

In 2ª announcement would do a face-to-face oral proof or on-line on the minimum contents of the subject and on the contents of the work made.