Universida_{de}Vigo

Subject Guide 2018 / 2019

IDENTIFYIN					
	nd Law in Cybersecurity				
Subject	Principles and Law				
	in Cybersecurity				
Code	V05M175V01201	,			
Study	(*)Máster				
programme	Universitario en				
	Ciberseguridade				
Descriptors	ECTS Credits		Choose	Year	Quadmester
	3		Mandatory	1st	2nd
Teaching	Spanish				
language	Galician				
	English				
Department	Public Law				
·	External				
Coordinator	Rodríguez Vázquez, Virgilio				
Lecturers	Faraldo Cabana, Patricia				
	Rodríguez Vázquez, Virgilio				
E-mail	virxilio@uvigo.es				
Web	. 09				
General	In this subject will do an approxir	mation to the relativ	re rule to the cybe	rsecurity. A crin	ninological study of the
description	main computing crimes will be m				
	the computing crimes contained in this subject.				

Competencies

Code

- A3 Students will be able to integrate diverse knowledge areas, and address the complexity of making statements on the basis of information which, notwithstanding incomplete or limited, may include thoughts about the ethical and social responsibilities entailed to the application of their professional capabilities and judgements.
- C3 Knowledge of the legal and technical standards used in cybersecurity, their implications in systems design, in the use of security tools and in the protection of information.
- C8 Skills for conceive, design, deploy and operate cybersecurity systems.
- Ability to apprehend the meaning and implications of the gender perspective in the different areas of knowledge and in the professional exercise, with the aim of attaining a fairer and more egalitarian society.
- D5 Ability for oral and written communication in English.

Expected results from this subject	Training and
	Learning Results
Students will be able to integrate diverse knowledge areas, and address the complexity of making statements on the basis of information which, notwithstanding incomplete or limited, may include thoughts about the ethical and social responsibilities entailed to the application of their professional capabilities and judgements.	A3
Knowledge of the legal and technical standards used in cybersecurity, their implications in systems design, in the use of security tools and in the protection of information.	C3
Skills for conceive, design, deploy and operate cybersecurity systems.	C8
Ability to apprehend the meaning and implications of the gender perspective in the different areas of knowledge and in the professional exercise, with the aim of attaining a fairer and more egalitarian society	D1
Ability for oral and written communication in English.	D5

C	n	τe	n	τs

Topic

1. Introduction. The Right on cybersecurity. Review of the rules in subject of security computing and management of risks.	1.1. The rule of the EU.1.2. The Law of National Security: the strategy of national security and the diagram of national security.
	1.3. The Regulation (UE) 2016/679 of 27 of April of 2016, General Regulation of Protection of Data. The Organic Law of Data Protection and the developmental Regulation.
	1.4. Computing crimes in the Criminal Code.
2. Criminological approach to the computing	2.1. Statistical sources: main national and international organisms.
crimes.	2.2. Analysis of the main reports on cybersecurity.
3. The vulnerability of the cybersecurity through	2.3. Identification of the main technological resources used.
crimes.	3.1. Definition: computing crimes and cybercrime.3.2. The utilization of the TIC to commit crimes and when the TIC are the goal of the crime.
	3.3. The Spanish Criminal Code, LO 10/1995, of 23 of November, the European Directive 2013/40/UE of the European Parliament and of the
	Council, of 12 of August of 2013, relative to the attacks against the
	systems of information, Agreement on cybersecutiry or Agreement of
	Budapest, of the Council of Europe, of 23 of November of 2001.
4. The main crimes that affect to the	4.1. Crimes of finding and disclosure of secrets (I). Frequent risks:
cybersecurity.	ransomware and the burglary of information.
	4.2. Crimes of finding and disclosure of secrets (II). Access and interception. The access to files or computing bear, electronic or telematic
	Special attention to the manager of the files or bear. The interception of
	transmissions of computing data. The utilization of malware (virus,
	spyware).
	4.3. Crimes of finding and disclosure of secrets (III). Produce, purchase,
	master or facilitate programs to commit the previous crimes, or passwords of computer or codes of access.
	4.4. Crimes against the privacy and the right to the own image: the undue
	use of cookies.
	4.5. Crimes against the property (I). Swindles costing of any manipulation computing. Produce, possess or facilitate programs computing destined it
	this end.
	4.6. Crimes against the property (II). Fraud using signal of extraneous telecommunications. Use of terminal of telecommunications without consent of the headline.
	4.7. Crimes against the property (III). Damages in computing data,
	computing programs or electronic documents. Damages to computing
	systems. Damages to computing systems of an critical infrastructure (brief reference to the operators of critical infrastructure, to the plans of security of the operator and to the plans of specific protection). Hinder or interrupt
	the operation of a computing system extraneous. Manufacture, possess or facilitate to third computing programs with such end. Special reference to
	the criminal responsibility of the juridical people.
	4.8. Crimes against the intellectual and industrial property. Through the provision of services of the society of the information or through a portal
	of access to internet. 4.9. Relative crimes to the bought and to the consumers. Finding of
	secrets of company through the TIC. Intelligible access it a service of
	audible or television broadcast, to interactive services rendered the
	distance by electronic road.
	4.10. Crimes against the public faith: electronic false.
5. Crimes committed against the persons using the communication technique.	5.1. Crimes against the freedom. Threats using social nets or other TIC. Cyber stalking.
	5.2. Crimes against the freedom and indemnity sexual. Child grooming And childish pornography.
	5.3. Crimes against the privacy and the privacy.5.4. Crimes against honors. Injury of the digital reputation.
6. The cyberterrorist attacks.	6.1. Concept.
o aywartan artu artu artu artu artu artu artu artu	6.2. Computing crimes realized with a specific aim of the art. 573 of the Criminal Code.
	6.3. Crime of collaboration with organisation or terrorist group through the provision of technological services.
7. Relative crimes to the national Defence and	Brief approximation.
others.	prici approximation.

- 8. Analysis of the Spanish judicial law in relation with computing crimes.

 8.1. Special attention to the decisions of the High court.

 8.2. Agreements of the full no-judicial of the Second Room of the relative

 - High court to computing crimes.
 - 8.3. The General Attorney and the specialist attorney on criminality computing.

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	13	32	45
Laboratory practices	5	22	27
Objective questions exam	2	0	2
Problem solving	1	0	1

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

Methodologies	
	Description
Lecturing	Presentation by the teacher of the contents on the subject under study, theoretical and / or guidelines for a job, exercise or project to be developed by the student.
Laboratory practices	Activities application of knowledge to specific situations and basic skills acquisition and related procedural matter under study. Special spaces are developed with specialized equipment (scientific and technical laboratories, languages, etc.).

Personalized attention		
Methodologies	Description	
Lecturing	The students will be attended in the timetable that will be published in the web of the Máster.	
Laboratory practices The students will be attended in the timetable that will be published in the web of the Máster.		

	Description		QualificationTraining an Learning Results		
Objective questions exam	The system of continuous evaluation will consist in three examinations writings: the two first, of resolution of objective proofs (examinations of objective questions, type test, that refers this part of the Guide), and the third, of "resolution of problems" (referred in the following part of the guide). The corresponding examinations to the "resolution of objective questions", proofs type test: - they will celebrate along the course, in schedule of kind theoretical class - each examination will comprise the part of the program that respectively indicate to the start of the course by part of the coordinator of the subject - will consist in proofs type test, stop whose qualification, of 0 to 2,5 points each of them, the correct answers sum 0,1 and the incorrect -0,05, not marking the left in white -Two examinations will ponder to 50% stop the final qualification, corresponding the another 50% to the "resolution of problems" (that describes in the following part of the Guide). To pass the subject put system of continuous evaluation is necessary that the resultant note of the three examinations, in accordance with the weighting indicated, was equal or upper to 5 points. The one who goes to the first partial proof (to the first examination of objective questions, type test), manifesting like this his interest for receiving it this system of continuous evaluation, will be evaluated in this opportunity in accordance with the previously established criteria and will not have right to be evaluated by means of a final examination that constitute 100% of the qualification of the subject. Therefore, realized the first partial proof, is not possible to renounce to the system of continuous evaluation. Realized the first partial proof, the student or student no presented to the following or following, the qualification of these will be of 0 points.	50	A3	C3 D1 C8	

Problem solving

The system of continuous evaluation will consist in three examinations writings: the two first, of resolution of objective proofs partial (examinations of objective questions, type test, to the that refers the previous part of the Guide), and the third, of

"resolution of problems" (referred in this part of the guide).

The corresponding examination to the "resolution of problems":

- it will celebrate in the official date of final examination of the common announcement: first

opportunity, second the official calendar approved by the Academic Commission of the Master in the course 2018-2019

- will consist in the resolution of one or several practical cases, from 0 to 5 points $\,$
- The problems that pose the practical cases can affect the questions comprised in the totality of the program
- -Will ponder to 50% stop the final qualification, corresponding the another 50% to the two examinations of objective questions, of type test.

To surpass the subject put system of continuous evaluation is necessary that the resultant note of the three examinations, in accordance with the weighting indicated, was equal or upper to 5 points. The one who goes to the first partial proof, manifesting like this his interest for receiving it this system of continuous evaluation, will be evaluated in this opportunity in accordance with the previously established criteria and will not have right to be evaluated by means of a final examination that constitute 100% of the

qualification of the subject. Therefore, realized the first partial proof, is not possible to renounce to the system of continuous evaluation. Realized the first partial proof, the student or student no presents to the following or following, the qualification of these will be of 0 points.

Other comments on the Evaluation

1. FIRST OPPORTUNITY (May 2019)It) SYSTEM OF CONTINUOUS EVALUATIONITY describes in the previous parts of the guide.

b) SYSTEM OF FINAL EXAMINATION

The one who does not opt pole system of continuous evaluation, the evaluation of the subject will consist in one only final examination, in the date

Fixed in the official calendar approved by the Academic Commission of the Master for the course 2018-2019.

The examination, that will comprise the totality of the program and constitutes 100% of the qualification of the subject, will feature of

Two parts, a theorist and another practical, that will qualify of 0 to 5 points each of them. The theoretical part will consist in Proofs type test, stop whose qualification the correct answers sum the double that subtract the incorrect, not marking The left in white. The practical part will consist in the resolution of one or several practical cases. The final qualification of the examination

It will be the sum of the qualifications obtained in each of the parts. To surpass the subject is necessary to obtain a minimum of 5

Points in the sum of the qualification of two parts.

2. SECOND OPPORTUNITY (July 2019)

The evaluation of the subject will consist in one only final examination, in the date fixed in the official calendar approved by the Academic Commission of the Master for the course 2018-2019.

The examination, that will comprise the totality of the program and constitutes 100% of the qualification of the subject, will feature of

Two parts, a theorist and another practical, that will qualify of 0 to 5 points each of them. The theoretical part will consist in Proofs type test, stop whose qualification the correct answers sum the double that subtract the incorrect, not marking The left in white. The practical part will consist in the resolution of one or several practical cases. The final qualification of the examination

It will be the sum of the qualifications obtained in each of the parts. To surpass the subject is necessary to obtain a minimum of 5

Points in the sum of the qualification of two parts.

Sources of information

Basic Bibliography

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LUZÓN PEÑA, Diego-Manuel (dir.), **Código Penal**, 5.ª, Reus, 2017

Complementary Bibliography

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A3 C3 D1

C8 D5

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BARONA VILAR, Silvia, Justicia civil y penal en la era global, 1.ª, Tirant lo Blanch, 2017
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BARRIO ANDRÉS, Moisés, Ciberdelitos : amenazas criminales del ciberespacio : adaptado reforma Código Penal **2015**, 1.ª, Reus, 2017

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CUERDA ARNAU, María Luisa (coord.), Menores y redes sociales: ciberbullying, ciberstalking, cibergrooming, pornografía, sexting, radicalización y otras formas de violencia en la red, 1.ª, Tirant lo Blanch, 2016

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DE NOVA LABIÁN, Alberto José, **Delitos contra la propiedad intelectual en el ámbito de Internet : especial referencia a los sistemas de intercambio de archivos**, 1.ª, Dykinson, 2010

DE URBANO CASTRILLO, Eduardo et al., **Delincuencia informática : tiempos de cautela y amparo**, 1.ª, Aranzadi, 2012 FARALDO CABANA, Patricia, **Las Nuevas tecnologías en los delitos contra el patrimonio y el orden socioeconómico**, 1.ª, Tirant lo Blanch, 2009

FERNÁNDEZ TERUELO, Javier Gustavo, Cibercrimen, los delitos cometidos a través de Internet : estafas, distribución de pornografía infantil, atentados contra la propiedad intelectual, daños informáticos, delitos contra la intimidad y ot, 1.ª, Constitutio Criminalis Carolina, 2017

FLORES PRADA, Ignacio, **Criminalidad informática : (aspectos sustantivos y procesales)**, 1.ª, Tirant lo Blanch, 2012 GALÁN MUÑOZ, Alfonso, **El Fraude y la estafa mediante sistemas informáticos : análisis del artículo 248.2 C.P**, 1.ª, Tirant lo Blanch, 2005

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GONZÁLEZ CUSSAC, José Luis (coord.), Derecho penal. Parte especial, 5.ª, Tirant lo Blanch, 2016

GONZÁLEZ CUSSAC, José Luis/CUERDA ARNAU, M.ª Luisa (dirs.), **Nuevas amenazas a la seguridad nacional : terrorismo, criminalidad organizada y tecnologías de la información y la comunicación**, 1.ª, Tirant lo Blanch, 2013 GOODMAN, Marc, **Future crimes : inside the digital underground and the battle for our connected world**, 1.ª, Pegasus Books, 2016

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VELASCOS SAN MARTÍN, Cristos, La jurisdicción y competencia sobre delitos cometidos a través de sistemas de cómputo e internet, 1.ª, Tirant lo Blanch, 2012

WALDEN, Ian, Computer crimes and digital investigations, 1.ª, Oxford University Press, 2007

Recommendations

Subjects that it is recommended to have taken before

Management of Information Security/V05M175V01101