Universida_{de}Vigo

Subject Guide 2021 / 2022

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IDENTIFYIN	IG DATA			
Research M	lethods in Physical Activity and Sports S	Sciences		
Subject	Research Methods			
,	in Physical Activity			
	and Sports			
	Sciences			
Code	P02M156V01101			
Study	(*)Máster			
programme	Universitario en			
	Investigación en			
	Actividade Física,			
Deceriptors	Deporte e Saúde	Chasse	Voor	Quadraatar
Descriptors	ECTS Credits	Choose Mandatory	Year	Quadmester 1st
Teaching	-	Mandatory	<u>1st</u>	151
language	Spanish Galician			
Department	Galiciali			
Coordinator	Gutierrez Sánchez, Águeda			
coordinator	Rey Cao, Ana Isabel			
Lecturers	Gutierrez Sánchez, Águeda			
20010.0.0	Rey Cao, Ana Isabel			
E-mail	anacao@uvigo.es			
	agyra@uvigo.es			
Web				
General	In the course will facilitate a basic understar			
description	phenomenon and historical builded. They W		trucción of inve	estigations with
	coherence epistemological and methodolog	ical.		
Skills				
Code				
ideas, c	d understand knowledge that provide a base often in a research context.			
	dents known to apply the acquire knowledge ontexts (or multidisciplinary) related with the		m in new envir	onment or less known in
A3 The stu	dents known to integrate knowledge and con	front the complexity of form	nulate judgmen	its from information that,
	complete or limited, include reflexions about	social and ethics responsib	lities linked to	the application of their
	dge and judgments.			
	dents own the ability of learn to continuos st			
	to devise, design, put in to practice and ado	pt a research process rigoro	usly academic	s in the physical activity,
	and sports study ambit.		-1	The surplus and the first
B4 Criticall ambit.	y analyze, evaluate and synthesize new and	complex ideas in the physic	ai activity, hea	ith and sports study
	to differentiate and select the paradigm, epi	stomological framowork and	t roforonco coir	antific mothodology in
	ign of the studies in the physical activity, hea			entine methodology III
	p scientific thoughts capacity to research in the		and charts stud	ly amhit

C2 Develop scientific thoughts capacity to research in the physical activity, health and sports study ambit.
C3 Be able to analyze and understand the varied theories and the state of matter in the physical activity, health and sports

C3 Be able to analyze and understand the varied theories and the state of matter in the physical activity, health and sports study ambit.

C4 Show link attitudes with excellence habits, ethical commitment and quality in the research exercise physical activity, health and sports study ambit

C7 Assess, manage and combine different techniques of physical activity, health and sports sciences research.

C8 Analyze on a critically the methodological options that arise in the physical activity, health and sports study ambit.

C9 Be able to design and implement a research work in the physical activity, health and sports study ambit.

D1 Critically assess the knowledge, the technology and the available information to solve problems.

D3 Be able to promote in academic and professional contexts activities to improve the technological advance, social and cultural, in physical activity, health and sports sciences field.

D4 Use basic tools of information and communication technologies (ICTs) needed for their profession exercise and for the lifelong learning.

Learning outcomes	_ · · · ·
Expected results from this subject	Training and Learning Results
Know and pose a research problem.	B2
	C1
	C2
	C3
	D1
	D4
Know and know draft hypothesis of investigation.	A1
now and know draft hypothesis of investigation. now and know define the variables of investigation. e able to interpret results, argue them and obtain conclusions of the same.	A2
	B2
	C2
	C9
Know and know define the variables of investigation.	A1
	A2
	A3
	B2
	B4
	C2
De able to internet results, surve there and abte is sensitive of the sense	<u>C9</u>
Be able to interpret results, argue them and obtain conclusions of the same.	A1
	A2 A3
	AS AS
	B2
	B2 B4
	C2
	C4
	C9
	D1
	D3
	D4
Knowledge of the different technical of investigation.	A5
······································	C7
	C8
	D3
	D4
Contents	
Горіс	
I. The investigation in sciences of the physical	
activity, sport and health.	
2. The scientific approach. The cycle of	
application in the sciences of the physical	
activity, sport and health.	
3. Approach of the problem in the sciences of the	
hysical activity, sport and health.	
I. The hypothesis in the scientific investigation in	

the sciences of the physical activity, sport and

health.5. Variables of investigation in sciences of the physical activity, sport and health.7. Collected and analysis of data in the sciences of the physical activity, sport and health.

8. Interpretation, discussion and communication

of results in the field of sciences of physical

activity, sport and health.

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	10	30	40

Problem solving	5	15	20	
Autonomous problem solving	1	14	15	

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

Methodologies	
	Description
Lecturing	The session masterly exhibition form predominates, the course contents. It works primarily knowledge (technical expertise), but also work other knowledge (know-how, how to be and how to stay). The teacher plays a highly active. The student has the function to take notes, notes, related concepts, ask / teacher.
Problem solving	Formulation, analysis, resolution and debate by students of a problem or exercise related to the subject matter.
Autonomous problem solving	Formulation, analysis, resolution and debate by students of a problem or exercise related to the subject matter. Realization of works connected with the subject.

Personalized assistance		
Methodologies	Description	
Autonomous problem solving	Counseling and tutoring to solve the problems arisen in the matter. This time is set aside to meet and resolve the doubts of students. The attention will be individually and in small groups, depending on the nature of the attention. Whenever an individual will take place in the office of teaching, by videoconference or by mail. These activities have as their function and guiding the learning process of the students.	

	Description	Qualification	Training a Learning Re			
Lecturing	Examination of the contents treated in class. Control of the assistance and critical participation in the face-to-face classrooms.	50		2	D1 D3	
Problem solving	Evaluation and correction of the exercises and activities proposed in the face-to-face classroom.	20	C	24 27 28	D1 D4	
Autonomous problem solving	Development, implementation and correct and activities proposed for its accomplishment outside classroom hours . Correction of the assignments linked to the matter.	A A	\5 C	-		

Other comments on the Evaluation

The evaluation will be held on second call exclusively through a written test.

Sources of information Basic Bibliography

Acevedo-Díaz, J. A., Vázquez-Alonso, A., Manassero-Mas, Mª.A. & amp; amp; Acevedo-Romero, P., Consensos sobre la naturaleza de la ciencia: fundamentos de una unvestigación empírica., 2007

Barriga, O. & amp; amp; Henríquez, G., La Presentación del Objeto de Estudio. Reflexiones desde la práctica docente., 2003

Bourdieu, P., **El oficio de científico. Ciencia de la ciencia y reflexividad.**, 1ª ed., Anagrama, 2003

Fernández, I., Gil, D., Carrascosa, J., Cachapuz, A. & amp; amp; Praia, J., 2002

Rey Cao, A., Ciencia y motricidad. Epistemología de las ciencias de la actividad física y el deporte., 1ª ed., Dykinson, 2014

Complementary Bibliography

Balcells i Junyent, J., La investigación social. Introducción a los métodos y técnicas., 1ª ed., PPU, 1994

Bericat, E., **La integración de los métodos cuantitativo y cualitativo en la investigación social.**, 1ª ed., Ariel, 1998 Bourdieu, P., Chamboredon, J.C., & Passeron, J.C., **El oficio de sociólogo, presupuestos epistemológicos**, 2ª

ed., Siglo XX1, 1989 Bunge, M., La Investigación científica, 2ª ed., Ariel, 1985

Chalmers, A.F., ¿Qué es esa cosa llamada ciencia?, 1ª ed., Siglo XX1, 1983

Ferreira, M., La nueva sociología de la ciencia: el conocimiento científico bajo una óptica post-positivista. Nómadas., 2007

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Heinemann, K., Introducción a la metodología de la investigación empírica. El ejemplo en las ciencias del deporte., 1ª ed., Paidotribo, 2003

Kuhn, T.S., La estructura de las revoluciones científicas., 1ª ed., Fondo de Cultura Económica, 2000

Longino, H., Subjects, Power, and Knowledge: Description and Prescription in Feminist Philosophies of Science, en Linda Alcoff y Elizabeth Potter (eds.). Feminist Epistemologies (pp. 101-121)., 1ª ed., Routledge, 1993 Lozares, C.; Martín, A. & amp; amp; López, P., 1998

Maffia, D., Epistemología feminista: La subversión semiótica de las mujeres en la ciencia., 2007 McGuigan, F.J., Psicología experimental. Enfoque metodológico., Trillas, 1972

Padrón, J., Tendencias Epistemológicas de la Investigación científica en el Siglo XXI., 2007

Pereda, S., **Psicología Experimental. I. Metodología.**, 1ª ed., Trillas, 1987

Sidman, M., **ácticas de investigación científica.**, 1ª ed., Fontanella, 1978

Tomas, J. R. & amp; amp; Nelson, J.K., Métodos de investigación en actividad física., 1ª ed., Paidotribo, 2006

Recommendations

Subjects that continue the syllabus

Scientific Communication and Documentation Sources in Physical Activity and Sports Sciences/P02M156V01102 Qualitative Methods in Physical Activity and Sports Sciences/P02M156V01106 Experimental and Quasi-experimental Methods in Physical Activity and Sports Sciences/P02M156V01103 Selective Correlational Methodology/P02M156V01104 Systematic Review and Meta-analysis/P02M156V01107

Contingency plan

Description

=== EXCEPTIONAL MEASURES PLANNED ===

Faced with the uncertain and unpredictable evolution of the health alert caused by COVID-19, the University establishes an extraordinary planning that will be activated when the administrations and the institution itself determine it, taking into account safety, health and responsibility criteria, guaranteeing teaching in a non-face-to-face setting or not totally face-to-face. These measures guarantee, when it is mandatory, the development of teaching in a more agile and efficient way through the standardized and institutionalized tool of the DOCNET teaching guides.

=== ADAPTATION OF METHODOLOGIES ===

A) Teaching methodologies that are modified

The same teaching methodologies will be carried out as those contemplated in a situation without alert but adapting them to an online modality. To this end, the Remote Campus and Moovi will be used.

B) Non-face-to-face mechanism of attention to students (tutorials)

The tutorials will take place through the remote campus.

- Profa. Ana Rey Cao: Room 2129 (https://campusremotouvigo.gal/access/public/meeting/912187149)

- Profa. Águeda Gutierrez Sánchez: Room 1251 (https://campusremotouvigo.gal/*access/public/meeting/538827467) As an alternative, when necessary, they will be done by skype or email (anacao@uvigo.gal; agyra@uvigo.es).

The Doodle tool may be used for the management of lectures and seminars.

=== ADAPTATION OF THE EVALUATION ===

The evaluation will stay the same. The different methodologies / tests will be carried out by the specified telematic means.