



## IDENTIFYING DATA

### Geography: Basics of physical geography

Subject	Geography: Basics of physical geography			
Code	002G251V01101			
Study programme	Grado en Geografía e Historia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	1st	1st
Teaching language	#EnglishFriendly Spanish Galician			
Department				
Coordinator	de Uña Álvarez, Elena Pilar Álvarez Vázquez, Miguel Ángel			
Lecturers	Álvarez Vázquez, Miguel Ángel			
E-mail	edeuna@uvigo.gal mianalva@uvigo.es			
Web	<a href="http://moovi.uvigo.gal">http://moovi.uvigo.gal</a>			
General description	Subject of basic knowledge and training. It treats of the theoretical and methodological foundations for the global knowledge of the natural systems, and his application in the context of the society. It integrates the study of the properties of the main components (relief, water, climate, biota), his interactions and configuration in the biophysical units of the Earth. English Friendly subject: International students may request from the teachers: a) resources and bibliographic references in English, b) tutoring sessions in English, c) exams and assessments in English.			

## Training and Learning Results

Code	
A1	Students will have shown they have sufficient knowledge and understanding of an area of study, starting after completion of general secondary education, and normally reaching a level of proficiency that, being mostly based on advanced textbooks, will also include familiarity with some cutting-edge developments within the relevant field of study.
A3	Students will be able to gather and interpret relevant data (normally within their field of study) that will allow them to have a reflection-based considered opinion on important issues of social, scientific and ethical nature.
A4	Students will be able to present information, ideas, problems and solutions both to specialist and non-specialist audiences.
A5	Students will acquire the learning skills that are required to pursue further studies with a high degree of independence.
B1	To know the territory (environment, society, culture) from a diachronic and a synchronic perspective.
B3	To acquire the skills that are necessary to register, analyze and interpret relevant geographical and historical data.
C1	To know the key concepts and developments of the field of Physical Geography.
C3	To know the key concepts and developments of geographical spaces (physical, human and economic aspects) in their social and territorial dynamics.
C6	Knowledge and application of the fundamental research methods and techniques in geography.
C8	Development and application of methods of field work.
D1	Analysis and synthesis skills.
D4	Oral and written communication skills in one's own language.
D7	Critical-thinking skills.
D8	Ethical commitment and social responsibility.
D11	Independent-learning skills.
D15	Awareness of environmental issues.

## Expected results from this subject

Expected results from this subject	Training and Learning Results
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Knowledge of the fundamental concepts of the Physical Geography, the Human Geography and the Geographic Analysis, integrated in the process of the development of the field discipline of the Geography	A1	B1	C1	D1 D4 D15
Taking of consciousness on the contributions of the geographic science in the academic and social field, manifested through a critical reasoning that influences environmental and cultural dynamics.	A3 A4	B1	C3	D1 D4 D7 D15
Skill for the realisation of work, using technical of qualitative and quantitative character, and put in value for the diversity and social welfare.	A5	B3	C6 C8	D4 D8 D11

## Contents

Topic	
1. Theoretical and methodological background	1.1 Scientific Field of the Physical Geography 1.2 Elements and scales
2. Natural systems	2.1 Greater Components 2.2 Dynamic Interactions 2.3 Natural Heritage
3. Phenomena of change	3.1 Natural Risks 3.2 Human Intervention

## Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	2	1	3
Lecturing	18	20	38
Scientific events	3	4	7
Studies excursion	12	10	22
Discussion Forum	0	10	10
Practices through ICT	8	8	16
Objective questions exam	2	11	13
Essay questions exam	2	11	13
Systematic observation	0	10	10
Report of practices, practicum and external practices	3	15	18

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

## Methodologies

	Description
Introductory activities	Taking contact with students that includes presentation of the subject, information about the level of knowledge from the group, and introduction to the fundamental concepts.
Lecturing	Explanation of the contents and development of formative actions of reasoning, analysis and synthesis by the educational in the field of the theory of the subject.
Scientific events	Conferences, social gatherings, debates and days that allow to deepen in the theoretical and practical questions.
Studies excursion	Application of the knowledges to concrete situations, out of the academic space, for acquisition of basic skills.
Discussion Forum	Activities developed in a virtual outline in which they debate diverse topics related to academic and/or professional field.
Practices through ICT	Activities of practical application of the knowledges and acquisition of skills, supported by the use of the ICT. They will devote to orient to the students in the realisation of his autonomous work or in group (preparation and presentation of the inform/memory). These activities will be directed to the explanation and resolution of practical exercises in the classroom of the course and in the classroom of computing.

## Personalized assistance

Methodologies	Description
Introductory activities	The personalised attention will consist in the orientation of the level of learning required, the introduction to the materials, the resolution of doubts and the explanation of the dynamics of the development of the subject. Face-to-face way: follow-up in the classroom of the course. Way no face-to-face: Virtual Classroom in Remote Campus and MooVi platform.
Studies excursion	The personalised attention will consist in the accompaniment and active motivation in the activity, the development of the capacity of attention/participatory observation and the support for the use of technicians or specific instruments. Face-to-face way: follow-up out of the classroom. Way no face-to-face: Virtual Classroom in Remote Campus and MooVi platform.

Practices through ICT The personalised attention will consist in the orientation and resolution of doubts or problems of the exercises and practical cases, directed to preparation of the report of practices. Face-to-face way: follow-up in the classroom of the course and in the classroom of computing of the faculty. Way no face-to-face: Virtual Classroom in Remote Campus and MooVi platform.

<b>Assessment</b>				
	Description	Qualification	Training and Learning Results	
Objective questions exam	The students will complete a reasoned questionnaire, analyzing and interpreting aspects related to the theoretical topic of Physical Geography. The assessed learning outcomes are: Understanding of the fundamental concepts of Physical Geography, Human Geography, and Geographic Analysis, integrated into the development process of the disciplinary field of Geography; Awareness of the contributions of geographical science in the academic and social spheres, demonstrated through critical reasoning that focuses on environmental and cultural aspects.	20	A1 B1 C1 D1 C6 D4 D7 D15	
Essay questions exam	The students will make a questionnaire reasoned, with analysis and interpretation of the questions related with the theory of the Physical Geography. The questions posed require an answer structured and reflexive. The results of learning evaluated are: Knowledge of the fundamental concepts of the Physical Geography, the Human Geography and the Geographic Analysis, integrated in the process of the development of the field discipline of the Geography; Taking of consciousness on the contributions of the geographic science in the academic and social field, manifested through a critical reasoning that influences environmental and cultural dynamics.	40	A1 B1 C1 D1 C3 D4 D7 D15	
Systematic observation	Active participation of the students in the sessions and activities proposed by the teacher, considering the continuous evaluation of the autonomous work in the classroom, in the field and in the MooVi platform. The results of learning evaluated are: Taking of consciousness on the contributions of the geographic science in the academic and social field, manifested through a critical reasoning that influences environmental and cultural dynamics.	10	A3 A4 A5 C6 C8 D7 D8 D15	
Report of practices, practicum and external practices	For the evaluation of the practices (in addition to the active participation in the activities), the students will elaborate (preferably in group) a report including the description, analysis and assessment of the practices with the support of the ICT and the Study excursions. The report will be delivered through MooVi, doing his presentation in the virtual classroom of the Remote Campus. The results of learning evaluated are: Skill for the realisation of work, using technical of qualitative and quantitative character, and put in value for the diversity and social welfare. Taking of consciousness on the contributions of the geographic science in the academic and social field, manifested through a critical reasoning that influences environmental and cultural dynamics.	30	A3 A4 A5 B3 C6 C8 D1 D4 D8 D11	

### **Other comments on the Evaluation**

Two evaluation systems are established: continuous assessment (tests and activities carried out throughout the semester) and global assessment (official exam dates for each evaluation opportunity established in the academic calendar), between which students can choose. To pass the continuous evaluation, students must achieve a minimum grade of 50% in each evaluation item. In the event of not reaching the minimum grade in any of the evaluation items, the highest possible grade will be the highest within the failing range (Art. 32.2 Regulamento sobre a Avaliação da Universidade de Vigo, 2023).

The students have fulfil the minimum requirements of necessary presence for the continuous assessment. Likewise have to attend and make the proofs that teacher have like indispensable. The follow-up make trough the following resources: virtual Course in the platform \*Moodle (\*MooVi, \*UVigo) and e-mail. Face-to-face teaching: follow-up in the classroom. Teaching no face-to-face: Remote Campus (link in \*MooVi).

The students that receive to the modality \*semipresencial\* must follow the subject by the Virtual Course in the MooVi platform, that allow the access to the precise materials for achieve the results of learning. The use of the materials offer to students in \*MooVi have to respect the rights of author, and ben described with a zero any proof or examination in which they copy " in the substantial extraneous works (\*dle-scrape).

For all the students will specify in \*MooVi the methodology, the activities, assessment, together with the calendar of delivery (face-to-face or remote) that remain clearly established. The follow-up of each student (use of the TIC) will give own tools of the platform.

Those students that choose to be evaluated by the modality of "global assessment" have to communicate it to the teacher in the term of 31 working days from the start of each \*cuatrimestre ((artigo 19.4 do Regulamento sobre a avaliación, a calificación e a calidade da docencia e do proceso de aprendizaxe do estudiantado da Universidade de Vigo, do 2023). Students who choose the global assessment modality will be evaluated on the subject's program through a theoretical exam (60%) and a mandatory assignment to be agreed upon with the instructors of the course (40%).

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## Sources of information

### Basic Bibliography

- Aguilera, M.J. et al, **Geografía General I. Geografía Física**, 2, UNED, 2020
- Ayala, F. & Olcina, J., **Riesgos naturales**, 1, Ariel Geografía, 2002
- Clifford, N.J. (Coord.), **Key Concepts in Geography**, 2, Sage, 2009
- Gregory, K., **The Earth's Land Surface**, 1, Sage, 2010
- López Bermúdez, F. et al, **Geografía Física**, 1, Cátedra, 1992
- Piqueras, J., **Introducción a la Geografía**, 1, Universitat de València, 2013
- Tarbuk, E. & Lutgens, F., **Ciencias de la Tierra**, 10, Prentice Hall, 2015
- Varios autores, **Guía para la elaboración de estudios del medio físico**, 4, FC del Valle Salazar, 2014
- UNEP, **Environmental Programme Publications & Data**, <https://www.unep.org/publications-data>, Acceso 2022
- EUNIS, **European Nature Information System**, <https://eunis.eea.europa.eu/>, Acceso 2022
- World Meteorological Organization, **Weather-Climate-Water**, <https://public.wmo.int/en/our-mandate/climate>, Acceso 2022
- IPCC, **The Intergovernmental Panel on Climate Change**, <https://www.ipcc.ch/>, Acceso 2022
- Forest Watch, **Forest Monitoring Designed for Action**, <https://www.globalforestwatch.org/?lang=en>, Acceso 2022
- UNESCO, **Lista del Patrimonio Mundial**, <https://whc.unesco.org/es/list/>, Acceso 2022
- GGN, **Global Geoparks Network**, <http://www.globalgeopark.org/>, Acceso 2022

### Complementary Bibliography

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## Recommendations

### Subjects that continue the syllabus

Geography: Basics of human geography/O02G251V01201