UNIVERSIDAD
COMPLUTENSE
MADRID

Bachelor's Degree

Faculty of Geography and History

Geography and Land Management

Syllabus

TYPE OF SUBJECT	ECTS
Core Studies	60
Compulsory	120
Elective	48 *
Final Degree Project	12
Total	**240**

* Includes 6 ECTS for Internship.

YEAR ONE	ECTS
Cartography and Representation Techniques I	6
Climatology	6
History I	6
Introduction to Spatial Planning	6
Population Geography	6
Territory and Economics	6
Territory and Environment	6
Territory and Natural System	6
Territory and Society	6
World Geography	6

YEAR TWO	ECTS
Biogeography	6
Geography of Europe	6
Geographic Information Systems I	6
Geography: Concept and Methods	6
Geography of Spain	6
Geomorphology and Hydrogeography	6
History II	6
Political and Administrative Organisation of the Territory	6
Rural Geography	6
Urban Geography	6

YEAR THREE	ECTS
Environmental Planning	6
Geographic Information Systems II	6
Qualitative Techniques	6
Quantitative Techniques I	6
Remote Sensing and Photointerpretation	6
Territorial Development	6
Urban Planning	6
Three Elective Subjects	18

YEAR FOUR	ECTS
Environmental Assessment	6
Local Development	6
Spatial Planning	6
Five Elective Subjects (may include External Internships)	30
Final Degree Project	12

THIRD AND FOURTH YEAR ELECTIVE SUBJECTS	ECTS
External Internship	6
Geography Itinerary	
21st Century Social Space	6
Climatic Geomorphology	6
Dynamic Climatology	6
Fluvial Geomorphology and Hydrology	6
Geography of Africa	6
Geography of America	6
Geography of Madrid	6
Metropolitan Areas	6
Soil Geography	6
Territorial Dynamics of Economic Activities	6
Land Planning and Management Itinerary	
Environmental Risks and Quality of Life	6
Instruments for the Development of Disadvantaged Territories	6
Management of Natural Resources and Natural Areas	6
Methodology of Landscape Analysis and Land Management	6
Planning and Management of Tourism Development	6
Urban Area Management	6
Transversal Elective Subjects (Both Itineraries)	
Cartography and Representation Techniques II	6
Quantitative Techniques II	6

PARTICIPATION CREDITS	ECTS
Any course	6

Lectures are given mainly in Spanish.

Knowledge acquired

Geography is the science focused the analysis, interpretation, planning and management of territories, explaining how and why the different natural and social phenomena are distributed and manifested on the earth's surface; and the knowledge acquired through this study is:

- Fundamentals of the history and thought of the geographic discipline.
- Differentiation and typology of regional geographic areas.
- Fundamentals of human, economic and social geography.
- Fundamentals of physical and environmental geography.
- Fundamentals of spatial planning.
- Knowing, understanding, and interpreting the territory (landscapes, their dynamics, and conflicts).
- Analysis of the interrelationships between the physical and environmental and social reality.
- Analysis of territorial processes and challenges in today's world (globalization, climate change, natural risks, etc.) and their multi-scalar interpretation.
- Geographic information technologies applied to the interpretation and territory planning.
- Conceptual and methodological foundations for the elaboration of planning proposals and participation in territorial management.
- Territorial diagnosis and approach to integrated proposals for public action, within the framework of the 2030 Agenda.
- Cartographic techniques applied to territorial interpretation and land-use planning.
- Fieldwork techniques for the direct recognition of the territory.
- Methods and techniques for the presentation and transmission of geographical knowledge.

Professional opportunities

- Expert in environmental, urban, and territorial planning.
- Expert in local and regional strategic planning for sustainable development.
- Expert in design, management, and evaluation of territorial planning.
- Expert in natural, rural, and urban heritage management.
- Expert in planning and management of natural areas.
- Expert in environmental and territorial assessment studies.
- Geographer.
- Consultant for socio-territorial sustainability, demographic challenges, and the ecological transition of territories.
- Expert in cartography, geographic information systems, remote sensing, and their contribution to the knowledge society.
- Fundamental and applied research.
- Editorial work on subjects related to Geography.
- Teacher of Geography at different education levels.

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Grados UCM

Bachelor's Degree in Geography and Land Management

Field of Study: History, Archaeology, Geography, Philosophy and Humanities

Faculty of Geography and History

Campus de Moncloa

geografiaehistoria.ucm.es

For further information: www.ucm.es/estudios/grado-geografiayordenaciondelterritorio

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