

FICHA de la Asignatura

TITLE: IBERIAN FOREST

Tutor: Pablo Hidalgo Fernández

ECTS: 3 (first semester)

Description

Iberian Peninsula has many different forests widely distributed in the territory. Some of them have a natural origin but other have a human-induced origin. The main goal is to analyze the structure and dynamics of the main forest in the Iberian Peninsula.

Recommendations

It is necessary previous notions of biology and botany. This course is recommended for students of Biology, Environmental Sciences, Forestry, etc. For other students please contact to teacher.

Aims

The main goal is to analyze the structure and dynamics of the main forest in the Iberian Peninsula. The final aim is to provide to the students the knowledge to face up any management program in these forests.

Learning outcomes

By the end of the module students should be able to:

- To know the main forest in the Iberian Peninsula and other areas in Europe.
- To study the distribution of these forest in the Iberian Peninsula and in the world.
- To understand the dynamics of the different forest.
- To appreciate the value of this ecosystem.
- To assess the main threats of the natural forests.

Syllabus indicative content

Theory:

- Physical geography of Iberian Peninsula.
- Mediterranean forest.
- Mediterranean pine forest.
- Temperate forests: beech and oak woods
- Mountain forests.
- Riparian forests.

Practices:

- Visit to Natural Park of Sierras Subbéticas.

Assessment

Coursework (weighting): 70%

Other activities (excursions, practices, etc.): 30%

Reading list

- ABER, J. D. & MELILLO, J.M. (2001). Terrestrial Ecosystems. Saunders College Publishing. Philadelphia.
- ARCHIBOLD, O.W. (1995). Ecology of the World Vegetation. Chapman & Hall. London.
- BLANCO, E. y otros (1998). Los bosques ibéricos. Planeta. Barcelona.
- TERRADAS, J. (2001). Ecología de la vegetación. Omega. Barcelona.
- BAILEY, R. G. (1998). Ecoregions. The Ecosystem Geography of the Oceans and Continents. Springer-Verlag. New York.
- BRECKLE, S.W. (2002). Walter's Vegetation of the Earth. The Ecological Systems of the Geo-Biosphere. Springer-Verlag. New York.
- FERRERAS, C. y AROZENA, M.E. (1987). Guía Física de España 2. Los Bosques. Alianza Editorial. Madrid.
- JURADO DOÑA, V. (Coord.) (1998). Naturaleza de Andalucía. Tomo 7. El Medio Forestal. Ediciones Giralda, S.L. Sevilla.
- KIMMINS, J. P. (1996). Forest Ecology. Prentice Hall. New Jersey.
- LOPEZ-GONZÁLEZ, G. (2004). Guía de los árboles y arbustos de la Península Ibérica y Baleares. Mundi-Prensa. Madrid
- RUBIO RECIO J.M. (1989). Biogeografía. Paisajes Vegetales y Vida Animal. Síntesis. Madrid.
- SANCHIS, E.; FOS, M. y BORDÓN, Y. (2003). Ecosistemas Mediterráneos. Editorial de la UPV. Valencia.
- SHUGART, H. H. (1998). Terrestrial ecosystems in changing environments. Cambridge University Press. Cambridge.
- VALLADARES, F. (Ed.) (2004). Ecología del bosque mediterráneo en un mundo cambiante. Ministerio de Medio Ambiente. Madrid.
- YOUNG, R.A. & GIESE, R.L. (Eds.) (2003). Introduction to Forest Ecosystem Science and Management. John Wiley & Sons. New York.
- ZAMORA, R. y PUGNAIRE, F.I. (Eds.) (2001). Ecosistemas Mediterráneos. Análisis Funcional. CSIC y AEET. Madrid.