

Updated On	2021/10/28																																									
Curricular Year / Period	2021/22 / S1																																									
Course	Equinicultura																																									
Curricular Unit	Agricultura Geral																																									
Language(s) of Instruction	Português Inglês																																									
ECTS/tempo de trabalho (horas)	<table border="1"> <thead> <tr> <th>ECTS</th> <th>Total</th> <th colspan="9">Horas de contacto semestral</th> </tr> <tr> <th rowspan="2">3</th> <th rowspan="2">80</th> <th>T</th> <th>TP</th> <th>PL</th> <th>S</th> <th>TC</th> <th>E</th> <th>O</th> <th>OT</th> <th>EC</th> </tr> </thead> <tbody> <tr> <td></td> <td>32</td> <td>16</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>T - Theoretical; TP - Theoretical and practical; LP - Laboratory Practice; S - Seminar; TG - Tutorial guidance; FW - Fieldwork; T - Training; ; EC - Clinical teaching; O* - Other hours typified as Clinical Training under the Directive 77/453/EEC of June 27, adapted by Directive 2005/36/EC.</p>										ECTS	Total	Horas de contacto semestral									3	80	T	TP	PL	S	TC	E	O	OT	EC		32	16							
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3	80	T	TP	PL	S	TC	E	O	OT	EC																																
			32	16																																						
Teacher in charge (GDPR consent) <small>[complete name, email]</small>	José António Vaz Caraças Telo Da Gama / jose.gama@ippportalegre.pt																																									
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Prerequisites <small>[Curricular Units that must precede and specific entry competences]</small>																																										
Learning outcomes <small>[Description of the overall and specific objectives] [Knowledge, skills and competences to be developed by students]</small>	<p>The subject of General Agriculture aims to provide students with the key concepts of plant biology that allow integrating the production and conservation of animal feed into the agricultural process under a perspective that guarantees the sustainability of production systems.</p> <p>The specific objectives of this discipline are: To know the main social, economic and productive indicators of our agriculture and to fit them in the European panorama; to know the biological bases of plant development and the edaphoclimatic peculiarities of the Portuguese farms; to know the main agricultural species used in animal feed, to understand how climate and soil factors that determine the production of vegetable crops to know the methods that allow changing the fertility of the soil; to know the technical and scientific bases that are essential to managing grass systems and fodder crops.</p>																																									
Syllabus	<ol style="list-style-type: none"> 1) Concepts in Agriculture. 2) The climate of Portugal: basic concepts of climatology; climatological characterization of the national territory. 3) Soils in Portugal: basic concepts of edaphology; characterization of soils in Portugal; general concepts of soil fertility and fertilization. 4) Plant biology: basic notions of plant morphology and taxonomy; main agricultural species used in animal feed; plant physiology (transpiration, photosynthesis, growth, development); environmental effects on plant production; crop fertilization. 5) Animal production systems. Animal's role in the agricultural environment. 6) Agriculture and environment. Development of sustainable production systems and ways of acting to combat sources of pollution generated in the agricultural process. Preservation of ecosystems. 																																									
Teaching methodologies (including assessment) <small>[Specify the types of assessment and the weights and evaluation criteria]</small>	1 - Teaching methodologies Lectures and practices																																									

	<p>2 - Period assessment</p> <p>Two midterm question papers (35% + 35%) and a monograph on an agronomic subject (30%)</p> <p>The minimum level required to pass the subject, students must have an average grade in both midterm papers 9.5 or more.</p> <p>In none of the papers, students can have a score value lower than 8.0</p> <p>3 - Examination assesement</p> <p>Students must take a theory final exam (70%) and a monograph on an agronomic subject (30%)</p>
<p>Bibliography</p>	<p>1 - Main Bibliography</p> <p>ELIARD, J.L. (1989). Manual de agricultura geral. Colecção EuroAgro, Publicações Europa América. Espírito Santo, M. Dalila; Monteiro, Ana. Infestantes das culturas agrícolas: chaves de identificação. Lisboa: ADISA (Associação para o Desenvolvimento do Instituto Superior de Agronomia), 2000. - 94 pp. ISBN 972-96698-1-3</p> <p>Lindon F, Gomes H & Campos A, 2001. Anatomia e Morfologia Externa das Plantas Superiores. Lidel. Lisboa.</p> <p>Lousã, M.; Monteiro, A., Espírito-Santo, D.; Sousa, E., Costa, J.C. (2010), Disciplina de Biologia, Módulo de Botânica, Manual de Teóricas e Práticas. ISA, UTL. Lisboa.</p> <p>NOBEL, Park S. Plant Physiology. 2ª Ed. California: Academic Press, 1999. - 474 pp.. ISBN 0-12-520025-0</p> <p>PARDO, E.M. e GARCIA, C.R. (1989). Praderas e forrajes- produccion y aprovechamiento. Ediciones Mundi-Prensa.</p> <p>PORTUGAL, João Martim; Vasconcelos, Teresa; Moreira, Ilídio. Flora infestante da cultura do tomate. Beja : Escola Superior Agrária de Beja, 2001. 94 pp. ISBN 972-95296-2-0.</p> <p>SALDIVAR, Ricardo Hugo Lira. Fisiologia Vegetal. 1º Ed. México: Editorial Trillas, 1994. - 237 pag.ISBN 968-24-4803-4</p> <p>VASCONCELLOS, J. C. 1969. Noções sobre a morfologia externa das plantas superiores. Ministério da Economia, Direcção Geral dos Serviços Agrícolas. Lisboa.</p> <p>VASCONCELOS, Teresa; Portugal, João Martim; Moreira, Ilídio. Flora infestante das culturas de sequeiro do Alentejo / Teresa Vasconcelos,. - Beja : Escola Superior Agrária de Beja, 2000. 143 pp. ISBN 972-95296-1-2</p> <p>YAGUE, José Luis Fuentes. Botanica Agrícola. 4ª Ed.. Madrid: Ediciones Mundi-Prensa, 1994. 273 p. ISBN 84-7114-491-3</p> <p>2 - Complementary Bibliography</p>
<p>Special Situations [Students with special status]</p>	<p>1 - Period assessment - Students with special status</p> <p>Two midterm question papers (35% + 35%) and a monograph on an agronomic subject (30%)</p> <p>The minimum level required to pass the subject, students must have an average grade in both midterm papers 9.5 or more.</p> <p>In none of the papers, students can have a score value lower than 8.0</p> <p>2 - Examination assesement - Students with special status</p> <p>Students must take a theory final exam (70%) and a monograph on an agronomic subject (30%)</p>