

Updated On	2022/02/27																																									
Curricular Year / Period	2021/22 / S2																																									
Course	Agronomia																																									
Curricular Unit	Introdução à Produção Agrícola																																									
Language(s) of Instruction	Português Inglês																																									
ECTS/tempo de trabalho (horas)	<table border="1"> <thead> <tr> <th rowspan="2">ECTS</th> <th rowspan="2">Total</th> <th colspan="9">Horas de contacto semestral</th> </tr> <tr> <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>3</td> <td>80</td> <td>0</td> <td>80</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</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									T	TP	PL	S	TC	E	O	OT	EC	3	80	0	80	0	0	0	0	0	0	0
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3	80	0	80	0	0	0	0	0	0	0																																
Teacher in charge (GDPR consent) <small>[complete name, email]</small>	Ana Isabel Rodrigues Cordeiro / ana_cordeiro@ippportalegre.pt																																									
Prerequisites <small>[Curricular Units that must precede and specific entry competences]</small>	Not applicable																																									
Learning outcomes <small>[Description of the overall and specific objectives] [Knowledge, skills and competences to be developed by students]</small>	<ol style="list-style-type: none"> 1. Know the biophysical environment of the country, with special emphasis on the orographic and soil and climate characteristics with impact on agricultural activity. 2. Understand the relationships between the characteristics of the environment and the distribution of productions and production systems in the national territory. 3. Collect and analyze statistical data, as well as identify and establish indicators particularly relevant and characterizing the socio-structural panorama of Portuguese agriculture. 4. To know the position of agriculture of the country in relation to its partners in the European Union, as well as the most significant commercial relations and the degree of self-supply of the main foodstuffs. 5. Know the technical itinerary of a crop and the agricultural calendar. 6. To plan and to plan the execution of the various agricultural operations usually included in the technical itinerary of a crop, in particular the adaptation of the soil to the crop, the preparation of the soil, sowing, tillage, irrigation and harvest 7. Identify, at a basic level, the main agricultural machines and tools most commonly used in agriculture 8. be in contact with activities and productions of representative farms of the agricultural systems in the region 																																									
Syllabus	Agriculture in the European Union: Portuguese biophysical environment and its relationship with agriculture; Limitations and potentialities of the territory for agriculture; Agricultural Portugal; Agricultural statistics; Brief characterization of the natural agricultural regions; Ministry of Agriculture; Organization of agricultural production; Adapting the soil to culture; Preparation of the soil; Sowing; Crops and farming; Irrigation; Harvest of agricultural products. (The specific programmatic content is described in the respective teaching plan);																																									
Teaching methodologies (including assessment) <small>[Specify the types of assessment and the weights and evaluation criteria]</small>	<p>1 - Teaching methodologies</p> <p>The theoretical and theoretical-practical classes will be all taught on the scheduled dates. Continuous assessment followed by complementary assessment (1 written test, protocols and oral presentation (35% mark of the test + 65% mark of the reports and/or assignments requested). It is necessary to register in advance in the evaluation tests (exam) in the system (Academics online), with a minimum period.</p> <p>2 - Period assessment</p> <p>Continuous assessment followed by complementary assessment (1 written test, performance of protocols and oral presentation.(35% grade of the test + 65% grade of the reports and/or assignments requested).</p> <p>3 - Examination assesement</p>																																									

	<p>1 written test of consultation, performance of protocols and oral presentation.(35% mark of the test + 65% mark of the reports and/or Works requested). It is necessary to register in advance for the assessment tests (exam) in the System (Academics online), with a minimum period.</p>
<p>Bibliography</p>	<p>1 - Main Bibliography</p> <p>BELLIDO, L.L. (1991). Cultivos herbáceos. Vol. I. Cereales. Ediciones Mundi-Prensa. Madrid BRIOSIA, F. (1989). Glossário ilustrado de mecanização agrícola. Edição do Autor. CEMAGREF/ITCF (1993). Les matériels de travail du sol, semis et plantation. Collection FORMAGRI. CERQUEIRA, J. (2001). Solos e climas de Portugal. Clássica Editora. Lisboa. DIEHL, R. (1998). Agricultura geral. Nova Colecção Técnica Agrária 3. Clássica Editora. Lisboa. ELIARD, J.L. (1986). Manual geral de agricultura. Colecção Euroagro. Publicações Europa-América. Mem Martins. AMARO, P. (2003). A protecção integrada. ISA/PRESS. MEDEIROS, C. (Dir.) (2005). Geografia de Portugal - O ambiente físico (Vol. I). Circulo de Leitores. OLIVEIRA, I. (1993). Técnicas de Regadio. Tomo II. EADR. Ministério da Agricultura, Pescas e Alimentação. RAPOSO, J.R. (1994). A rega por aspersão. Nova colecção técnica agrária 8. Clássica Editora. Lisboa. URBANO TERRON, P. (1995). Tratado de Fitotécnica General 2ª Ed. Ed. Mundi-Prensa. Madrid.</p> <p>2 - Complementary Bibliography</p> <p>MOREIRA, M. (2012). Práticas de Solos. 2ªEdição. Editora Publindústria. Porto. GAVILÁN, M. (2004). Tratado de cultivo sin suelo. 3ªEdición. Mundi-Prensa. Madrid Marquez, L. (2004). Maquinaria agrícola. B&H Editores. Torrelodones. Zhang, Q. (2015). Precision Agriculture Technology for Crop Farming. CRC Press. Florida</p>
<p>Special Situations [Students with special status]</p>	<p>1 - Period assessment - Students with special status</p> <p>The organicity and functioning logic of the subject was designed and developed for students in a face-to-face system, so class attendance is mandatory. To obtain attendance and access to the exam it is necessary to attend at least 75% of the classes, except for students with special status, in accordance with the respective internal school regulations.</p> <p>2 - Examination assesement - Students with special status</p> <p>The organicity and functioning logic of the subject was designed and developed for students in a face-to-face system, so class attendance is mandatory. To obtain attendance and access to the exam it is necessary to attend at least 75% of the classes, except for students with special status, in accordance with the respective internal school regulations.</p>