

Updated On	2024/02/07																																									
Curricular Year / Period	2023/24 / S2																																									
Course	Agronomy																																									
Curricular Unit	Arable Crops																																									
Language(s) of Instruction	Português																																									
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>4</td> <td>107</td> <td>0</td> <td>48</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	4	107	0	48	0	0	0	0	0	0	0
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4	107	0	48	0	0	0	0	0	0	0																																
Teacher in charge (GDPR consent) <small>[complete name, email]</small>	Benvindo Martins Maças / benvindo.macas@ippportalegre.pt																																									
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 course is structured to provide students with knowledge of the importance of the set of agricultural species called Arable Crops, in the triple function of agricultural activity: production of food and raw materials, protection of the environment and land use planning. Teaching privileges an integrated approach to the system capable of providing students with the ability to develop multidisciplinary models for framing agricultural species in agricultural systems.</p> <p>The aim is to develop skills in the specific areas of understanding the growth and development of cultures; Importance of agricultural species; Understanding the effect of the environment on crop adaptation; Contact with calculations of agricultural practices; Culture systems planning</p>																																									
Sustainable Development Goals																																										
Syllabus	<p>I Demographic dynamics and food production. II Contemporary challenges of agricultural production: Ecosystems; food diets; Main agricultural species for food production globally. III Factors that affect crop distribution: Climate; soils; Humans; Market; Public policy. IV Groups of arable crops: Pests cereals: Wheat, barley, oats, triticale; Spring/Summer Cereals Rice, corn, sorghum; Legumes for chickpeas, peas, lupine, Lathyrus sp., lentils, fava beans, other legumes; Oilseeds Flax, soybean, sunflower; Linen, cotton textiles; Cultures of minor uses. V Calculations of agricultural practices and monitoring of crop growth and development: Sowing densities; Production estimation; Vegetative cycle; Adjustment of technical itineraries; Diseases and pests. VI Seed production and processing technology: National Variety Catalogue; Seed processing; Seed certification. VII Contact with practical activities: Preparation of sowing; Seed processing; Technological quality of production</p>																																									
Teaching methodologies (including assessment) <small>[Specify the types of assessment and the weights and evaluation criteria]</small>	<p>1 - Teaching methodologies</p> <p>Teaching assumes a theoretical-practical nature with the aim of demonstrating the contents with practical results obtained under experimental conditions, namely in the INIAV research programmes. Assessment is carried out through written tests. During the semester, students take 2 tests whose evaluation must be greater than 7 values to perform the following: students with a grade greater than 10 values in these two evaluations are exempt from the exam; students with a grade lower than 10 will be submitted to an exam. To obtain approval, the grade must be greater than 10 values.</p> <p>2 - Period assessment</p>																																									

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<p>Bibliography</p>	<p>1 - Main Bibliography</p> <p>Guerrero, Andres (1992). Extensive herbaceous crops. Ed. Mundi-Prensa, Madrid; Lopez-Bellido, L. (1991). Herb crops. vol. I Cereals. Ed. Mundi-Prensa, Madrid; Lopez-Bellido (2003). Industrial crops. Ed. Mundi-Prensa, Madrid; Stoskopf, N.C. (1985). Cereal grain crops. Reston Publishing Company, Inc., Virginia, USA; Arnon, I. (1992). Agriculture in dry lands. Principles and practice. Elsevier, New York.</p> <p>2 - Complementary Bibliography</p>
<p>Special Situations [Students with special status]</p>	<p>1 - Period assessment - Students with special status</p> <p>2 - Examination assesement - Students with special status</p>