

<b>Module Name</b>	<b>Agroclimatology</b>
<b>Module Level, if applicable</b>	Intermediate
<b>Code if Applicable</b>	0210204268
<b>Subtitle, if applicable</b>	-
<b>Courses, if applicable</b>	0210204268 (Agroclimatology)
<b>Semester(s) in which the module is taught</b>	2
<b>Person responsible for the module</b>	Helvi Ardana Reswari, SP., M.Si
<b>Lecturer</b>	Helvi Ardana Reswari, SP., M.Si
<b>Language</b>	Indonesian
<b>Relation to curriculum</b>	Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science.
<b>Type of teaching, contact hours</b>	Lecture, Project, Independent Learning, Lab Work
<b>Workload</b>	<ul style="list-style-type: none"> <li>• Lecture : 3 sks × 50 minutes × 16 weeks</li> <li>• Project : 3 sks × 60 minutes × 16 weeks</li> <li>• Independent Learning : 3 sks × 60 minutes × 16 weeks</li> </ul>
<b>Credit points</b>	SKS 3 SCH × (1.5) = 4.5 ECTS
<b>Requirements according to the examination regulations</b>	<ol style="list-style-type: none"> <li>1. Registered in this course</li> <li>2. Minimum 80% attendance in this course</li> </ol>
<b>Recommended prerequisites</b>	No prerequisites
<b>Module Objectives (Intended learning outcomes)</b>	<p>On successful completion in this course, student should be able to:</p> <ul style="list-style-type: none"> <li>• Understand the elements of climate, the composition and role of the atmosphere, radiation, clouds, temperature, humidity, evapotranspiration, natural phenomena related to elements of weather and/or climate change and their effects on agriculture.</li> <li>• Understand climate classification systems, and their relation to the process of plant cultivation, planting time until plant productivity.</li> </ul>
<b>Module Content</b>	This course explains able about the understanding of elements of weather, atmosphere, radiation, clouds, humidity, temperature, air pressure, precipitation, hydrological cycle, evapotranspiration, climate classification and tropical climate.
<b>Study and examination requirements and forms of examination</b>	<p><b>Cognitive:</b> Midterm exam, Final exam, Quizzes, Assignments</p> <p><b>Psychomotor:</b> Practice</p> <p><b>Affective:</b> Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role,</p>

	initiative, and language), (b) Being on time, (c) Effort.
<b>Media employed</b>	Classical teaching tools with white board and power point presentation
<b>Recommended Literature</b>	<p>For Class</p> <p>A. Compulsory</p> <ul style="list-style-type: none"> <li>- Jones, H.G. 2014. Plants and Mikroclimate third edition. Australia : Cambridge University Press</li> <li>Tim Li and Pang-Chi Hsu.2018. Fundamentals of Tropical Climats Dinamic. Springer Atmospheric Science</li> <li>- Arsalan, M.H. 2008. General Climatology. Western Sydney University</li> <li>- Marshall R. 2014. The Grennhouse Gardener's Manual. Portland-London : Timber Press</li> <li>- Decker B. 2017. The Complete guide to DIY Greenhouse 2nd edition. Minnesota : Cool Springs Pres</li> </ul> <p>B. Option</p> <ul style="list-style-type: none"> <li>- Teaching staff Department of Geomatics dan Meteorology IPB. Editor by Hamdoko PhD. 2017. Klimatologi dasar. Bogor : IPB Press</li> <li>- Wiryono, Budy. 2018. Textbooks Klimatologi for undergraduate students. Pu by blisher Litera : Sleman</li> <li>- Sabarudin, Laode. 2017. Agroklimatoogi Aspek-Aspek Klimatik untuk Sistem Budidaya Tanaman. Yogyakarta : Allfabetta</li> </ul>
<b>Date of Last Amendment</b>	22 <sup>nd</sup> August 2022