Module designation	Agronomy (AGB 101)
Semester(s) in which the module	1 st semester
is taught	
Person responsible for the	Nurhayati
module	
Language	English
Relation to curriculum	Compulsory module
Teaching methods	lecture, discussion, project learning
Workload	100 minutes of lecture and discussion per week
	120 minutes of structured tasks per week
	190 minutes of independent activity per week
Ore dit nainte	■ 100 minutes of laboratory work
	3 (lesson 2 and lab works 1) = 4.8 EUTS
Required and recommended	-
prerequisites for joining the	
Modulo obiostivos/intended	1 Able to evelop the concept begins of plant sufficient
Module objectives/Intended	Able to explain the concept basics of plant cultivation Able to explain plant reproduction techniques, and production
	2. Able to explain plant reproduction techniques, seed production
	processes and able to perform vegetative and generative plant
	2 Able to design and undertake plant cultivation technology from
	land preparation planting fertilization irrigation pest and
	disease control and harvesting
	4 Able to explain the influence of climatic factors soil and plant
	disturbing organisms.
	5. Able to explain the plant growth and development and several
	metabolic processes related to plant growth and development
	(photosynthesis, respiration, absorption, nutrient translocation
	and assimilate) and the role of growth regulators.
	6. Able to analyze efforts to achieve maximum production through
	a system of planting patterns, plant breeding, hydroponics,
	intensification and extenfication of agriculture.
	7. Able to evaluate sustainable agriculture peformance and the
	application of organic farming systems.
Content	This course provides a knowledge and skills related to plant
	cultivation: definition, scope, agronomic acts, plant reproduction,
	cultivation techniques, external and internal factors that affect plant
	growin and production, plant growin and development, enous to
	learning objectives are able to identify formulate and solve
	nonling objectives are able to identify, iornitulate and solve
	sustainable agricultural systems with the latest technology
	creatively and innovatively.
Exams and assessment formats	Essay, case analysis, oral presentation
Study and examination	20 % participative activityf
requirements	50% case project
	5 % quizzes
	5 % structured assignment
	10% midterm examination
	10% final examination

Reading list	 Amarullah, Mardhiana, Willem, N. Chaitiyah. 2021. Dasar Agronomi. Syiah Kuala University Press. Banda Aceh.
	2. Arya, R. L. 2020. Fundamentals of Agronomy. Scientific Publ.
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	https://books.google.co.id/books/about/Fundamentals_of_Agro nomy.html?id=OMf3Dw AAQBAJ&redir_esc=y
	3. Chandrasekaran, B., K. Annadurai and E. Somasundaram.
	2010. A Text book of Agronomy. New Age Internasional
	Limited. Publ. New Delhi.
	https://nishat2013.files.wordpress.com/2013/11/agronomy-
	<u>book.pdf</u>
	4. Harahap, F.S., H. walida, I. Arman. 2021. Dasar-dasar
	Agronomi Pertanian. CV Mitra Cendekia Media. Solok,
	Sumatera Barat.
	 Harjadi, S.S. 2019. Dasar-dasar Agronomi. 2019. Gramedia Pustaka Utama. Jakarta.
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	6. Segala, D., H. Ningsih, T. Koryati, E. P. Ramdan, Indarwati, J.
	Herawati, Mahyati, Junairiah, B. Utomo, S. Purwanti, D. N.
	Septariani. 2021. Dasar-dasar Agronomi. Yayasan Kita
	Menulis. Medan. Suyanto, A. 2019. Pola Tanam. Tim UB
	Press. Malang.