

Module designation	<i>Introduction to Agricultural Sciences</i>
Semester(s) in which the module is taught	<i>1st</i>
Person responsible for the module	<i>Dr. Ir. Rusdi Evizal, M.S.</i>
Language	<i>Indonesian language</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures (50 minutes) Practicum sessions (170 minutes)</i>
Workload (incl. contact hours, self-study hours)	<i>Contact hours : 14 weeks x 50 minutes Structured learning: 14 weeks x 60 minutes Independent study: 14 weeks x 60 minutes Practicum sessions: 14 weeks x 170 minutes</i>
Credit points	<i>2 (1-1) CP or 3.17 (ECTS) ((14 weeks x 50 minutes) + (14 weeks x 60 minutes) + (14 weeks x 60 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 79,33 hours : 25 study hours/ECTS = 3.17 (ECTS)</i>
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> - <i>Students are able to have devotion to Almighty God, demonstrate a religious attitude, and uphold human values in carrying out their duties based on religion, morals, and ethics</i> - <i>Students are able to assess and develop knowledge of science and technology by paying attention to the humanities and scientific ethics, able to work in a collective collegial team, and be a motivator in society</i> - <i>Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively.</i>
Content	<i>Introduction to Agricultural Sciences course is a 2 (1-1) credit course. This course presents Definitions of agriculture, agricultural and environmental science, history of agriculture and business agriculture, the scope of agriculture, the role of agriculture in human life and development, - influencing factors agricultural business (soil, plants, climate, nuisance organisms, and cultivation techniques), the concept of sustainable- and insightful agriculture environment (integrated agriculture, organic farming, - and agroforestry), agricultural mechanization, harvest and post-harvest, socio-economic agriculture and agricultural development (agribusiness, extension and institutional agriculture, marketing and trade, and agricultural development modern).</i>

Examination forms	<i>oral presentation, essay</i>
Study and examination requirements	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i> <i>Practicum exam (30%)</i> <i>Pre-test or post-test (10%)</i> <i>Experiment reports (60%)</i></p>
Reading list	<ol style="list-style-type: none"> 1. <i>Nurmala, T., A.D. Suyono, A. Rodjak, T. Suganda, S. Natasasmita, T. Simarmata, E.H. Salim, Y. Yuwariah, T.P Sendjaja, S.N. Wiyono, dan S. Hasani.. 2012. Pengantar Ilmu Pertanian. Graha Ilmu.</i> 2. <i>Mosher, A.T. 1983. Menggerakkan dan Membangun Pertanian. CV. Yasaguna Jakarta.</i> 3. <i>Nasoetion, A.H. 2002. Pengantar ke Ilmu-Ilmu Pertanian. Litera Nusa, Jakarta.</i> 4. <i>Santoso, H. 2002. Bahan tentang Pengantar Ilmu Pertanian. Fakultas Pertanian Unila.</i> 5. <i>Craig C. Sheaffer, Kristine M Moncada. 2012. Introduction to Agronomy: Food, Crops, and Environment.</i>