



**USK**  
UNIVERSITAS  
SYIAH KUALA

**FACULTY OF AGRICULTURE**  
**DEPARTMENT OF SOIL SCIENCE**

**UNDERGRADUATE PROGRAM**

**MODULE HANDBOOK**

Module designation	Practicum of Soil Taxonomy (SSOL6013)
Semester(s) in which the module is taught	7 <sup>th</sup> semester
Person responsible for the module	Dr. Ir. Teti Arabia, M.S.
Language	Indonesian, English
Relation to curriculum	Elective module for Soil Science Department
Teaching methods	Practice (field practice/ lab practice)
Workload (incl. contact hours, self-study hours)	✓ 170 minutes practice per week (field/laboratory 50 minutes; structured learning 60 minutes; 60 minutes self study)
Credit points	1 SKS = 1.6 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"><li>✓ Students are able to collect, analyze, and relate all data needed for soil taxonomy/classification (genetic horizon, upper characteristic horizon/epipedon, lower characteristic horizon/endopedon, soil moisture regime, soil temperature, and other characteristics such as endosaturation, episaturation, etc.).</li><li>✓ Students are able to classify soil types from the highest to the lowest taxa (order, suborder, great group, subgroup, and largegrain family/class, mineralogical class, etc.).</li></ul>
Content	This course discusses: data needed for soil taxonomy/classification (genetic horizon, upper characteristic horizon/epipedon, lower characteristic horizon/endopedon, soil moisture regime, soil temperature regime, and other characteristics such as endosaturation, episaturation, etc.); and classifying soil types from the highest to the lowest taxa (order, suborder, great group, subgroup, family, large grain class, mineralogical class, etc.).
Exams and assessment formats	Quiz, assignment, midterm exam, final exam
Study and examination requirements	<ul style="list-style-type: none"><li>✓ Quiz: 10%</li><li>✓ Assignment: 30%</li><li>✓ Midterm exam: 11.4%</li><li>✓ Final exam: 48.6%</li></ul>

Reading list	<ol style="list-style-type: none"><li>1. Arabia, T. dan Zainabun. 2022. Modul Praktikum Taksonomi Tanah. Program Studi Ilmu Tanah. Jurusan Ilmu Tanah. Fakultas Pertanian, Universitas Syiah Kuala, Darussalam, Banda Aceh.</li><li>2. Arabia, T. 2022. Taksonomi Tanah. Buku Ajar. Program Studi Ilmu Tanah, Fakultas Pertanian, USK, Darussalam, Banda Aceh.</li><li>3. Arabia, T. 2022. Taksonomi Tanah. Handout. Program Studi Ilmu Tanah, Fakultas Pertanian, USK, Darussalam, Banda Aceh.</li><li>4. Soil Survey Staff. 2022. Keys to Soil Taxonomy. 13th ed. USDA-NRCS. Washington, DC.</li></ol>
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