

Module Name	Agriculture Geography Practicum
Module level, if applicable	
Code, if applicable	GEL 0311
Subtitle, if applicable	
Semester(s) in which the module	Fourth (4 th) semester
Person responsible for the module	Dr. Sudrajat, M.P
Lecturer	Dr. Sudrajat, M.P
Language	Bahasa Indonesia
Relation to curriculum	Elective
Type of teaching, contact hours	STAR (<i>Student Teacher Aesthetic Role-Sharing</i>) is an optimal combination between SCL (<i>Student Centered Learning</i>) and TCL (<i>Teacher Centered Learning</i>). Assistance : 900 minutes
Workload	Assistance, including homework and discussion = 7 meetings x 100 minutes each Examination = 1 meetings x 100 minutes each Total workload = 800 minutes
Credit points	1
Requirements according to the examination regulations	All of practicum reports are binding. Absence requirement is only for 2 meetings Absence student must follow and catch up the practicum with the assistance in another schedule, also pay for it (Rp. 50.000)
Recommended prerequisites	-
Module objectives/intended learning outcomes	1. To able measure and analyze pressure of population and carrying capacity on agricultural land 2. To able measure and analyze financial feasibility of farmers 3. To able arrange the fields measurements (preparation questionnaire) 4. To able measurement and analyze in field survey with case study 5. To calculate and analyze production and income of farmers 6. To calculate and analyze commodity of farming 7. To estimate and analyze agricultural production
Content	1. Measurement of population pressure on agricultural land and land carrying capacity 2. Financial feasibility of farming 3. Developing instrument (questionnaire) 4. Field Practice (case study) 5. Calculating agricultural production and income of farmers 6. Determining main commodity 7. Estimating agricultural production

Study and examination requirements and forms of examination	Pretest/Quiz (10%), Individual Assignment (10 %), Practical Activities (20%), Practicum Report (30%) and Final Examination/Responsiveness (30 %). Examination formed in written test or interview.
Media employed	- Internet - Computers - Interactive video - LCD projector
Reading list	FAO. 1985. Guidelines: Land Evaluation for Irrigated Agriculture. FAO. 1987. Guidelines for Economic Appraisal of Watershed Management Projects. Conservation Guide 16. Rome FAO. 1999. Land Evaluation and Farming System Analysis for Land Use Planning. FAO Working Doc. 3rd Edition. FAO, Rome. Fausett, L., 1994, Fundamentals of Neural Network, Architecture, Algorithms and Applications, Prentice Hall, New Jersey Hardjowigeno, S. 1981. Perkembangan survei dan pemetaan tanah di Indonesia. Seminar Ikatan Surveyor Indonesia (ISI) di Institut Pertanian Bogor. Hendrisman, M. dan D. Djaenudin. 1998. Evaluasi lahan secara kuantitatif; Studi kasus di daerah Pringgabaya, Kabupaten Lombok Timur, Provinsi NTB. Prosiding. Pusat Penelitian Tanah dan Agroklimat, Bogor. Jayadinata, J.T. 1992. Tata Guna Tanah Dalam Perencanaan Pedesaan Perkotaan & Wilayah, ITB,Bandung. Kaiser, Edward J, David R. Godschalk and F. Stuart Chapin, 1995, Urban Land . Use Lanning, Urbana and Chicago, University of Illinois Press. Kusumadewi, S., 2003, Artificial Intelligence (Teknik dan aplikasinya), Graha Ilmu Yogyakarta Mantra Ida Bagus,1983. <i>Pengantar Studi Demografi. Yogyakarta : Penerbit Nur Cahaya. Yogyakarta.</i> Mosher AT., <i>Menggerakkan dan Membangun Pertanian</i>, terjemahan Ir. Krisnandhi. CV. Yasa Guna ,Jakarta 1966 Nasution, Z. 2005. Evaluasi Lahan Daerah Tangkapan Hujan Danau Toba Sebagai Dasar Perencanaan Tata Guna Lahan Untuk Pembangunan Berkelanjutan. Pidato Pengukuhan Jabatan Guru Besar. Medan: Universitas Sumatera Utara. Notohadiprawiro, T. 1991. Kemampuan dan Kesesuaian Lahan: Pengertian dan Penetapannya. Makalah. Lokakarya Neraca Sumberdaya Alam Nasional. DRN Kelompok II. Bogor: Bakosurtanal.

	Notohadiprawiro, T. 1992. Konsep dan Kegunaan Evaluasi dan Inventarisasi Harkat Sumberdaya lahan dengan uraian khusus mengenai gatra tanah. Diklat Kuliah. Yogyakarta: Fakultas Pertanian UGM. Poh, H.L., 1994, A Neural Network Approach to Decision Support, International Journal of Applied Expert Systems, Vol. 2 No. 3 Puslittanak (Pusat Penelitian Tanah dan Agroklimat). 2000a. Sumberdaya Lahan Indonesia dan Pengelolaannya. Badan Penelitian dan Pengembangan Pertanian, Jakarta. Rayes, M. L. 2007. Metode Inventarisasi Sumber Daya Lahan. Penerbit Andi Yogyakarta. Yogyakarta. 298 halaman. Ritung S, Wahyunto, Agus F, Hidayat H. 2007. Panduan Evaluasi Kesesuaian Lahan dengan Contoh Peta Arahana Penggunaan Lahan Kabupaten Aceh Barat. Balai Penelitian Tanah dan World Agroforestry Centre (ICRAF), Bogor, Indonesia. Rossiter, D.G. 1988. The Automated Land Evaluation System. A Micro-Computer Program to Assist in Land Evaluation. Cornell Univ. Microfilm An Arbor, MI. Rossiter, D.G. and A.R. Van Wambeke. 1997. Automated Land Evaluation System, ALES Version 4.65d User's Manual. Cornell Univ. Dept. Soil Crop and Atmospheric Science, SCAS, Ithaca, NY. Sitorus, S.R.P. 1998. Evaluasi Sumberdaya Lahan. Bandung: Tarsito. Sitorus, S.R.P. 2003. Pengembangan Sumberdaya Lahan Berkelanjutan. Jurusan Tanah, Fakultas Pertanian Institut Pertanian Bogor. Bogor. Soemarno. 2007. Konsepsi Ekonomi Sumberdaya Lahan. Makalah Bahan Kajian Ekonomi Sumberdaya Lahan, PPSUB. Soepraptohardjo, M. 1961. Sistem Klasifikasi Tanah di Balai Penyelidikan Tanah. KNIT I, Bogor. Sujarto, D. 1982. Nilai Dan Harga Tanah dalam Pengembangan Wilayah. Bandung: Institut Teknologi Bandung. Sys, C., V.Ranst and J.Debaveye. 1991. Land Evaluation Part II: Methods in Land Evaluation, General Administration for Development Cooperation, Brussels. Van Reeuwijk, L.P. 1983. Introduction to Physico-Chemical Aspects. Lecture Note, International Institute for Aerial Survey and Earth Sciences, ITC, Enschede the Netherlands.
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	Van Wambeke, A. and T. Forbes. 1986. Guidelines for Using Soil Taxonomy, the Names of Soil Map Units. SMSS. Tech. Monogr. No. 10. SCS, USDA, New York, Cornell Univ. Dept. Agric. Wahyuningrum, N, C. Nugroho, Wardoyo, Beny H, Endang S, Sudimin, Sudirman. 2003. Klasifikasi Kemampuan Dan Kesesuaian Lahan .INFO DAS Surakarta No. 15 Th. 2003 Widiatmika, S. Hardjowigeno. 2007. Evaluasi Kesesuaian Lahan & Perencanaan Tata Guna Lahan, Gadjah Mada University Press, Yogyakarta Wood, S.R. and F.J. Dent. 1983. LECS, A Land Evaluation Computer System Methodology. AGOF/INS/78/006. Manual 5, Version 1, Center for Soil Research, Bogor. Worosuprodjo, S. 2005. Klasifikasi Lahan untuk Perencanaan Penggunaan Lahan di Kabupaten Sleman Daerah Istimewa Yogyakarta. Forum Perencanaan Pembangunan Edisi Khusus Januari 2005.
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