Module designation	Innovation in Agricultural (AGB109)
Semester(s) in which the module is taught	1 st semester
Person responsible for the	Dr. Ir. Indra, MP
	English
Relation to curriculum	Compulsory module
Teaching methods	lecture, case project
Workload	 100 minutes of lecture and discussion per week
	120 minutes of structured tasks per week
	 190 minutes of independent activity per week
	 100 minutes of laboratory work
Credit points	3 (lesson 2 and lab works 1) = 4.8 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended	1. Able to understand the concept of Innovation Agriculture,
learning outcomes	types of Innovation, and upstream to downstream
	Innovation in the Agricultural sector
	2. Able to explain future agriculture, challenges and
	innovative solutions
	3. Able to explore various smart agriculture technologies,
	smart agriculture extensions and Agriculture startups
Content	This course aims to provide a broad view of Agriculture. This
	course will contain innovations in the field of agriculture and
	provide the latest agricultural issues at local, regional and
	global levels.
Exams and assessment formats	Essay, case analysis, oral presentation
study and examination	50% study cases
requirements	10% coursework
	10% lab work
	20% midterm examination
	25% final examination
Reading list	1. Badan Penelitian dan Pengembangan Pertanian. 2014. Inovasi
	Teknologi Pertanian RamahLingkungan dan Berdaya Saing.
	2 Inter-American Institute for Cooperation on Agriculture 2014
	Innovation in Agriculture: aKey Process for Sustainable
	Development. Institutional Position Paper. San Jose
	3. Rajalahti R, Janssen W, Pehu E. 2008. Agricultural Innovation
	Systems: From Diagnostics toward Operational Practices.
	Agriculture and Rural Development. Washington DC.
	4. The World Bank. 2012. Agricultural Innovation Systems: an
	Investment Sourcepook. Wasnington, D.C. 5. Tim Direktorat Piset dan Inovasi IDP, 222 Inovasi IDP dalam 222
	Inovasi Indonesia 2017 Institut Pertanian Rodor Rodor
	6. Viki T. Toma D. Gons E. 2018. The Corporate Startup Formula
	Sukses Perusahaan Mapan Mengembangkan Ekosistem
	Inovasi. Elex Media Komputindo. Jakarta
	7. Yudhana, Anton. 2018. Otomasi dan Instrumentasi untuk
	Proyek Smart Farming dan Smart Glove. Cv. Mine. Yogyakarta