

Subject	Study programme	Teaching Hours	Possibility to offer online lectures	Period	Level	Language	Contactperson(s)	E-mail contactperson
Food and health	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Food quality	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Food production	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Toxicology in food	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Nutrients in food	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Sustainable food production	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Psychology in food	Applied Biology, minor Food Quality & Health	8+		semester 1	Bsc	English / Dutch	Giel Krutzer	g.krutzer@has.nl
Phytopathology	Applied Biology, minor Applied Crop Science	8+		semester 1	Bsc	English	Tim Minkhorst	t.minkhorst@has.nl
Plant breeding	Applied Biology, minor Applied Crop Science	8+		semester 1	Bsc	English	Tim Minkhorst	t.minkhorst@has.nl
Plant physiology	Applied Biology, minor Applied Crop Science	8+		semester 1	Bsc	English	Tim Minkhorst	t.minkhorst@has.nl
LED cultivation of plant	Applied Biology, minor Applied Crop Science	8+		semester 1	Bsc	English	Tim Minkhorst	t.minkhorst@has.nl
Vertical farming	Applied Biology, minor Applied Crop Science	8+		semester 1	Bsc	English	Tim Minkhorst	t.minkhorst@has.nl
Animal husbandry	Applied Biology, minor Sustainable Animal	8+		semester 1	Bsc	English	Annemarije van Hoek	a.vanhoek@has.nl
Animal breeding	Applied Biology, minor Sustainable Animal	8+		semester 1	Bsc	English	Annemarije van Hoek	a.vanhoek@has.nl
Animal housing	Applied Biology, minor Sustainable Animal	8+		semester 1	Bsc	English	Annemarije van Hoek	a.vanhoek@has.nl
Nature preservation	Applied Biology, minor Applied Ecology	8+		semester 1	Bsc	English / Dutch	Lidewij Keser	l.keser@has.nl
Population dynamics	Applied Biology, minor Applied Ecology	8+		semester 1	Bsc	English / Dutch	Lidewij Keser	l.keser@has.nl
Robotics	Applied Biology, minor High Tech Agrosystems	8+		semester 2	Bsc	English / Dutch	Annemarije van Hoek	a.vanhoek@has.nl
Mimicry	Applied Biology, minor High Tech Agrosystems	8+		semester 2	Bsc	English / Dutch	Annemarije van Hoek	a.vanhoek@has.nl
Sensory technology	Applied Biology, minor High Tech Agrosystems	8+		semester 2	Bsc	English / Dutch	Annemarije van Hoek	a.vanhoek@has.nl
Food and health	Applied Biology, food science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Food quality	Applied Biology, food science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Food production	Applied Biology, food science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Toxicology in food	Applied Biology, food science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Nutrients in food	Applied Biology, food science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Phytopathology	Applied Biology, plant science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Plant breeding	Applied Biology, plant science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Plant physiology	Applied Biology, plant science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
LED cultivation of plant	Applied Biology, plant science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Vertical farming	Applied Biology, plant science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Animal husbandry	Applied Biology, animal science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Animal breeding	Applied Biology, animal science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Animal housing	Applied Biology, animal science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Nature preservation	Applied Biology, ecology science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Population dynamics	Applied Biology, ecology science 1+2	8+		semester 2	Bsc	English / Dutch	Isabella Visschers	i.visschers@has.nl
Creativity, Concept development, Design thinking	Food Innovation	8 - 16		semester 1 or 2	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Food Marketing	Food Innovation	8+		semester 1 or 2	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Consumer behaviour, Behavioural psychology	Food Innovation	8+		semester 1 or 2	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Graphic design, Packaging design	Food Innovation	8+		semester 1	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Food Packaging technology, Food preservation	Food Innovation	8+		semester 2	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Market research, Consumer research methodology	Food Innovation	8 - 16		semester 2	Bsc	English / Dutch	Jet van Nieuwenhuizen	j.vannieuwenhuizen@has.nl
Precision farming in livestock	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Precision farming incrops	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Data science applications in agri food	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Data science applications in leisure	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Data and technology in livestock	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Data and technology in crop farming	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Sensors and sensor data in agriculture	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Smart farming	Data Science in Agri Food, minor	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Applied Animal Science (health, nutrition, behaviour, housing, welfare)	Applied Biology: Applied Animal Science,	8+		semester 1	Bsc	English	Simone Bissels/Lenny van Erp	lvErp@has.nl
Marketing Innovation	Animal Husbandry and Animal Care,	8+			Bsc	English / Dutch	Simone Bissels/Klaske van der Horst	lvErp@has.nl
Sustainable development (SDG) and food production	Challenge Sustainability	8+	yes	semester 1	Bsc	English	Lotte Stoppelenburg	stl@has.nl
Toxicology in food, EU vs US legislation (Endocrine Disruptors)	Toxicology and human health	2	yes	semester 1	Bsc	English / Dutch	Lotte Stoppelenburg	stl@has.nl
Ecology (Variety of subjects)	Applied Biology, minor Applied Ecology	8+		semester 1	BSc	English / Dutch	Gilian van Duijvendijk	g.vanduijvendijk@has.nl
production systems	Applied Biology, minor Applied Animal Sciences	8+		semester 1	BSc	English / Dutch	Tamara Lohman	t.lohman@has.nl
International Trade	Business Administration in agrifoodbusiness	2		semester 2	BSc	English	Theo Clermonts	t.clermonts@has.nl
Food Systems Governance / Food politics / Food democracy / The right to Food / Political economy of Poland / Polish Agriculture / Polish Food System	International Food & Agribusiness	tbd	Yes	Feb-April	BBA	English	Neeltje Bekkers / Bram van Helvoirt	n.bekkers@has.nl
Sustainable Diets	International Food & Agribusiness	tbd	Yes	Feb- April	BBA	English	Neeltje Bekkers / Bram van Helvoirt	n.bekkers@has.nl
Plant based proteins	International Food & Agribusiness	tbd	Yes	Sept - Nov	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Sustainable guidelines vs regular diet guidelines	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Preventive Health	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Non communicable diseases	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
New ingredients and food trends	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
New claims and regulations worldwide	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Food interventions with micronutrients	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Food safety - developments worldwide/in specific part of region	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Food safety - integrity issues	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Food fortification and enrichment	International Food & Agribusiness	tbd	Yes	Nov- Feb	BBA	English	Neeltje Bekkers / Sandra vd Berg	n.bekkers@has.nl
Food Systems Stakeholders	International Food & Agribusiness	tbd	Yes	Sept- Nov	BBA	English	Neeltje Bekkers	n.bekkers@has.nl
Geotrends - (International) Developments in geo-information	Applied Geo-Information Science	8+	Yes	Semester 2	Bsc	English/Dutch	Tom van Duijnhoven / Marien de Bakker	T.vanDuijnhoven@has.nl
Smart Regions - Smart contributions to (future) urban challenges	Applied Geo-Information Science	8+	Yes	Semester 2	Bsc	English/Dutch	Tom van Duijnhoven / Erik Dietvorst	T.vanDuijnhoven@has.nl
Naturally Geographic - Spatial analysis and European nature policy	Applied Geo-Information Science	8+	Yes	Semester 2	Bsc	English/Dutch	Tom van Duijnhoven / Paulo van Breugel	T.vanDuijnhoven@has.nl
Landscape Engineering, Landscape Design, Landscape & Urban Planning & Development	Spatial & Environmental Planning	8+	Yes	Semester 1 or 2	Bsc	English/Dutch	Judith Jobse / Paul van der Donk	j.jobse@has.nl; p.vanderdonk@has.nl