

# Master Agribusiness Development

**COURSE CATALOGUE** 

Academic year 2024-2025

CROHO: 49137 ISCED: 0419

Version	Date	Authors
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Course	CROHO	ISCED
<b>Master Agribusiness Development</b>	49137	0419

Duration: Fulltime variant 1 year Parttime variant 2 years

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Profile: MAD

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### 1 Introduction

This course catalogue is for the Master Agribusiness Development (MAD) programme for 2024-2025. MAD is registered under the Dutch CROHO 49137. This catalogue contains official information about the programme and is therefore leading together with the Exam Regulations, as can be found on the website of the Aeres University of Applied Sciences (Aeres UAS). During the course, detailed information will be presented in Canvas, our online learning environment. The language of instruction, exams and assessments of this programme is always English. Students graduating from this programme receive a Master of Science (MSc) degree from Aeres UAS.

Profile: MAD

#### 1.1. The Focus of MAD

**Agri-food business development** is full of challenges due to its international setting and markets that develop at high speed. The societal context and the need to operate sustainably create the need to adapt and develop the business models and be innovative. This requires innovative and flexible professionals with sound agribusiness knowledge that adds value to this field. This master's programme aims to support young professionals in their development. The programme is suitable for Bachelor graduates or young professionals in agribusiness and its development.

The graduate Master in Agribusiness Development is enterprising, can adapt to different business environments and organizational culture, can implement theoretical knowledge in a practical setting and is capable of adding value to current business models and/or supply chains. In addition, the graduated Master plays an important role in driving and accelerating transitions. He/she keeps an overview, coordinates/meditates/facilitates and initiates changes and communicates clearly, effectively and inspiringly in the process to all stakeholders.

#### 1.2. A Professional Master - the degree

There are two routes to a Master's degree: the Professional Master's and the Academic Master's. Both types allow the student to develop the master level. Within these routes, the emphasis is placed on different aspects. A professional master's degree is more oriented towards practice, and an academic master's degree is more oriented towards theory. Both have their value, and it is the kind of career that is aimed for by the student that makes one route more appropriate than the other.

Within the Netherlands, the professional master's is organised by the University of Applied Sciences (Higher Vocational Education), and the focus of the professional master's programme is on practical experience. This professional experience serves as a stepping stone for the further development of the student. This is mainly reflected in the emphasis on the continuous link to the professional context during the lectures and the assignments

An academic master's is a master's programme with a scientific context in which the focus is placed on the theories and models to analyse and do research. The emphasis in this type of master's programme is on theory. This is reflected in the assessment (primarily written exams) and the emphasis for the Thesis on the scientific foundation.

The professional master of Agribusiness Development is aimed at those who want to be active in the agrifood sector, which is unique in its adaptability and rapid development of new concepts. To be successful in this often international context, the student needs to be enterprising, experienced in dealing with widely differing business environments, and sensitive to the cultures of organisations and the people who shape them.

After finishing this master programme, the student obtains the degree Master of Science (MSc). The programme is validated and accredited by the Dutch-Flemish Accreditation Organization.

#### 1.3. The Internship company

The Internship company plays a crucial role in the programme. The primary responsibility to organise a placement at a company is with the student. Requirements regarding the company are as follows:

- Must be active within the agri- or food business, partly or entirely
- Must be able to house the student physically
- Must be able to involve the student in the organisation
- Must have a project for the student to work on for the duration of the programme that is complex enough for a master's programme.

#### 1.4. Aeres Group; corporate organisation structure

The Dutch green sector is at the forefront of the world. Aeres significantly contributes to this position. At Aeres, education, research and entrepreneurship come together around the major themes. Our talent ensures that there are people who take responsibility for the sustainable growth of plants and animals, feeding people, creating a healthy environment and giving room to nature. (Aeres, 2021).

Aeres was created between 2004 and 2009 from mergers of the former Groenhorst College, the CAH University of Applied Sciences, Stoas University of Applied Sciences and PTC+ (now Aeres Tech and Aeres Training Centre). In 2013, the CAH and Stoas merged to form Vilentum University of Applied Sciences, thereby founding the three current Aeres University of Applied Sciences faculties in Dronten, Almere and Wageningen. Aeres provides education (pre-vocational secondary education, TVET, Bachelor and Master) and is also active in the field of applied research and innovation and commercial courses and services for individuals and businesses (Aeres, 2021).

Aeres Group Executive Board of directors consists of: Mr B.M.P. Pellikaan (chairman) and Mr M.H.C. Komen (member), more information can found here: https://www.aeres.eu/contact/aeres-corporate

### 2 Professional Master Standard & Final Qualifications

Traditionally, learning goals in educational programmes are described in terms of "...the student knows" or "the student is able to..." These learning goals are assessed in exams, work placement reports and various assignments. A subject-directed curriculum design is the most suitable way to organise this type of learning. The content is leading: knowledge is taught, skills are trained, and both are assessed. *The motto of this subject-oriented curriculum is: learn this, and you will become successful as a professional.* 

Therefore, the Master Agribusiness Development programme is designed upon **end** qualifications that drive learning goals defined under the Dublin \*(Appendix 2). These qualifications are;

The Master in Agribusiness Development:

- 1. Is capable of <u>identifying</u> and articulating current and future problems and challenges in the agribusiness sector;
- 2. Use a multidisciplinary and innovative approach to research the problem/challenge. Thereby applying and connecting qualitative and quantitative state-of-the-art scientific and applied knowledge obtained throughout and beyond the international agri-food business;
- 3. can <u>design</u> solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects, supporting the business strategy;
- 4. is capable of <u>implementing</u> (complex) changes within a company or sector, thereby creating added value for the business;
- 5. can <u>effectively and concisely communicate</u> results and engage stakeholders, thereby taking into account the target group and (inter)cultural differences;
- 6. Can critically <u>reflect</u> on the process and personal acting, both in retro- as in prospect.

The final level of a graduate of a professional master's degree distinguishes itself on the basis of the following four pillars:

- **1. Mastery**: possess advanced knowledge of a profession, knowledge domain and scientific area and on the interface between various professions, knowledge domains and scientific areas.
- **2. Research competence:** (i) Recognises and analyses complex problems in professional practice and the knowledge domain and solves them tactically, strategically and creatively. (ii) Identifies the limitation of existing knowledge in professional practice and the knowledge domain on the interface between various professional practices and knowledge domains and takes action. Analyses complex professional and scientific tasks and execute them.
- **3. Interprofessional Practice:** Formulates assessments based on incomplete or limited information and takes **social**, scientific and ethical responsibilities associated with the application of one's own knowledge and **assessment** into account.
- **4. Effect:** (i) Specialised skills in problem-solving, required in the context of research and/or innovation for developing new knowledge and procedures and integrating knowledge from various fields of expertise. (ii) Managing and transforming complex and unpredictable professional or educational contexts that require new strategic approaches. The supportive educational programme provides the theories, concepts and methodology that can be used while conducting the master Assignment. In this way theory and practice come together in the authentic context of the Master Company. This requires a specific way of assessment. You will be assessed on your performances in practice, by your coaches and by University staff. You will also be assessed on your theoretical knowledge.

Table 2.1 Matrix of professional standard end qualifications

MAD	Period	1	Per	Period 2			Period 3 and Period 4	
2024-2025				1				
Module	MAFC	MASC	MAPD	MARD	MASI	MAIN	MATH	
Final qualifications								
<ol> <li>The Master in Agribusiness Development is capable of <u>identifying</u> and articulating current and future problems and challenges in the agribusiness sector.</li> </ol>	Х	Х					Х	3
2. The Master in Agribusiness Development use a multidisciplinary and innovative approach to research the problem/challenge. Thereby applying and connecting qualitative and quantitative state-of-the-art scientific and applied knowledge obtained throughout and beyond the international agri-food business.				Х			Х	2
3. The Master in Agribusiness Development can design solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects, supporting the business strategy.		Х			Х	Х	Х	5
4. The Master in Agribusiness Development is capable of <a href="implementing">implementing</a> (complex) changes within a company or sector, thereby creating added value for the business.	Х	Х				Х		3
5. The Master in Agribusiness Development can effectively and concisely communicate results and engage stakeholders, thereby taking into account the target group and (inter)cultural differences.			Х			Х	Х	3
<ol> <li>The Master in Agribusiness Development can critically <u>reflect</u> on the process and personal acting, both in retro- as in prospect.</li> </ol>			Х			X		2
Professional Master Standard								
Mastery		Χ		Х	Х			4
Research		Χ		Х			Х	3
Interprofessional Practice	Х	х	х			Х		4
Effect				Х	Х	Х	Х	4

Table 2.3. shows how the Dublin descriptors are linked to the MAD final qualifications.

Table 2.3. Connection of MAD final qualifications to the second cycle of Dublin Descriptors

	Knowledge and understanding	Applying knowledge	Making Judgments.	Communicati on.	Learning skills.
1. Is capable of identifying and articulating current and future problems and challenges in the agribusiness sector	X	X			X
2. uses a multidisciplinary and innovative approach in researching the problem/challenge at hand. Thereby applying and connecting both qualitative as quantitative state-of-theart scientific and applied knowledge obtained throughout and beyond the international agri-food business.	X	X			X
3. can design solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects thereby supporting the business strategy	X	X	X		X
4. is capable of implementing (complex) changes within a company or sector, thereby creating added value for the business.		X		X	
5. can effectively communicate results in a concise manner and engage stakeholders, thereby taking into account the target group and (inter)cultural differences			X	X	
6. Can critically <u>reflect</u> on the process and personal acting, both in retro- as in prospect.			X		X

### 3 OER

#### 3.1 Student Contract

Each student will have a student contract that indicates the individual study path of the student for that academic year. The study contract also expresses specific conditions that would have to be met at a given date during the academic year. The student contract can be regarded as a supplement to the Educational Exam Regulations and is registered in the Student Administration System (Osiris).

#### 3.2 Student Charter and Code of Conduct

Examination Regulations The Educational Exam Regulations as given here are published online as part of the Student charter. This can be found on the intranet website, select "English" as a language and then select the button "Student charter". Students are expected to know where to find and understand the content of the examination regulations. Although we explain the examination regulations during the introduction week and throughout the year by your Personal Coach and programme coordinator, students have a responsibility in reading these documents. https://www.aereshogeschool.nl/over-aereshogeschool/publieke-verantwoording/onderwijs-en-examenregeling

#### 3.3 Aditional costs

The student is expected to pay an additional fee of €500.- to cover the costs for the Introduction week, company visits and excursions. From this additional fee €50.- is charged for handling costs for the selection procedure.

#### 3.4 Academic Accommodations

Academic accommodations are put into place to reduce or eliminate a disadvantage as a result of their physical or mental condition. Students receiving academic accommodation are still expected to meet the requirements of the programme. Academic accommodations vary per student and are individually assessed and awarded provided that the student handed in official documentation to the academic accommodations coordinator (decaan) before the start of any examination period.

The academic accommodations coordinator will officially put academic accommodations in to place for those students who experience a barrier related to physical or mental condition, when:

- The intake has taken place with the academic accommodations officer
- the documentation is in order and states that the student has a disability/ condition and requires accommodations,
- the academic accommodations officer has given his or her official approval.

Students are responsible for academic accommodations at all times, parents/ guardians are only informed with written consent of the student. Students who experience the following conditions are eligible for academic accommodations:

- Learning disability (i.e. dyslexia, dyscalculia)
- Sensory impairment (i.e. hearing loss, blindness, low vision)
- Mobility

#### 3.5 Student Counsellors

Student welfare is of great importance in order to succeed academically. Sometimes "life happens when you are busy making other plans" or you have or are still experiencing difficulties, problems, harassment and so on. If you cannot talk to your personal coach or this exceeds their ability to help you can contact yourself or we advise you to contact one of our student counsellors. These staff members are especially appointed and trained to work on problems with you, confidentially. Nothing you say to them will be shared with anybody.

In the event of undesirable behavior by others, a complaint can be submitted to the Complaints Committee together with the student counsellor. The latter then investigates the complaint and action can then be taken in short term. The student counsellor can also function as a liaison between you and others for other social-emotional problems.

The student counsellors can be reached by email, telephone, appointment or by walk-ins. If you prefer to make an appointment for a place outside the school, you can. If you experience problems and they exceed your personal coaches responsibilities and abilities, please contact our counsellors. Do not wait too long and contact us! Please remember that we cannot help if we do not know what is going on. We realise it can be extremely difficult to take the first step but we can are here to help. And will be there with you every step of the way.

More information and active members of the student council can be found on the website: https://www.aereshogeschool.nl/over-aeres-hogeschool/studentbegeleiding/studentbegeleiding-dronten

## 4 Programme Structure

#### 4.1. Module overview MAD

The program structure of MAD is provided below for both the full-time and part-time programs. In Period 1 and Period 2 Classes are arranged every Monday, Tuesday, Thursday, and Friday for the full-time programme.

The first year for the part-time is only on Thursday and Friday, for the second year it is Monday and Tuesday. Period 3 and Period 4 will focus on the internship and Thesis.

#### **Full-time**

Period 1	Period 2	Period 3	Period 4		
Professional Development (6)					
Supply Chain Management &	Research Methods & Data	Thesis (15)			
Operations Management (6)	Analyses (6)				
Business, Finance and Change (6)	Strategy & Innovation (6)	Internship	(15)		

#### Part-time

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Period 1	Period 2	Period 3	Period 4
Professional Development (3)			
Supply Chain Management &	Research Methods & Data	Thesis (15)	
Operations Management (6)	Analyses (6)		

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Period 1	Period 2	Period 3	Period 4
Professional Development (3)			
Business, Finance and Change (6)	Strategy & Innovation (6)	Internship	(15)

#### 4.2. Year schedule MAD

The year schedule for 2024-2025 is below.

	Year Schedule (Concept) Master Agribusiness Development 2024 / 2025						
				03-04-2023			
week	Date	Type of week	Basic schedule (Master)	Education related information (Master)			
31	29 July 2024		Summer holidays / University closed				
	30 July 2024		Summer holidays / University closed				
	31 July 2024		Summer holidays / University closed				
	01 August 2024		Summer holidays / University closed				
	02 August 2024		Summer holidays / University closed				

	03 August 2024			
	04 August 2024			
32	05 August 2024		Summer holidays / University closed	
	06 August 2024	_	Summer holidays / University closed	
	07 August 2024		Summer holidays / University closed	
	08 August 2024		Summer holidays / University closed	
	09 August 2024		Summer holidays / University closed	
	10 August 2024			
	11 August 2024			
33	12 August 2024	T5	Summer holidays	
	13 August 2024		Summer holidays	Resits period 5
	14 August 2024		Resits / summer holidays	Resits period 5
	15 August 2024		Resits / summer holidays	Resits period 5
	16 August 2024		Summer holidays	Resits period 5
	17 August 2024			
	18 August 2024			
34	19 August 2024	T5		Resits period 5
	20 August 2024			
	21 August 2024			
	22 August 2024			
	23 August 2024			
	24 August 2024			
	25 August 2024			
35	26 August 2024			
	27 August 2024			
	28 August 2024			
	29 August 2024			
	30 August 2024			
	31 August 2024			
	01 September 2024			
36	02 September 2024	LO	Introduction days	
	03 September 2024		Introduction days	
	04 September 2024		Introduction days	
	05 September 2024		·	
	06 September 2024			
	07 September 2024			
	08 September 2024			
37	09 September 2024	L1		
	10 September 2024			
	11 September 2024			
	12 September 2024			
	13 September 2024	1		
	14 September 2024			
	15 September 2024			
38	16 September 2024	L2		
-55	17 September 2024	1		
	17 September 2024	1		

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	18 September 2024			
	19 September 2024			
	20 September 2024			
	21 September 2024			
	22 September 2024			
39	23 September 2024	L3		Sign up for resits T1
	24 September 2024			Sign up for resits T1
	25 September 2024			Sign up for resits T1
	26 September 2024			Sign up for resits T1
	27 September 2024			Sign up for resits T1
	28 September 2024			Sign up for resits T1
	29 September 2024			Sign up for resits T1
40	30 September 2024	L4		Sign up for resits T1
	01 October 2024			
	02 October 2024			
	03 October 2024			
	04 October 2024			
	05 October 2024			
	06 October 2024			
41	07 October 2024	L5		
	08 October 2024			
	09 October 2024			
	10 October 2024			
	11 October 2024			
	12 October 2024			
	13 October 2024			
42	14 October 2024	L6		
	15 October 2024			
	16 October 2024			
	17 October 2024			
	18 October 2024			
	19 October 2024			
	20 October 2024			
43	21 October 2024	L7		
	22 October 2024			
	23 October 2024			
	24 October 2024			
	25 October 2024			
	26 October 2024			
	27 October 2024			
44	28 October 2024		Autumn holidays	
	29 October 2024		Autumn holidays	
	30 October 2024		Autumn holidays	
	31 October 2024		Autumn holidays	
	01 November 2024		Autumn holidays	
	02 November 2024			

	03 November 2024			
45	04 November 2024	T1		Exams period 1
	05 November 2024			Exams period 1
	06 November 2024			Exams period 1
	07 November 2024			Exams period 1
	08 November 2024			Exams period 1
	09 November 2024			
	10 November 2024			
46	11 November 2024	T1		Exams period 1
	12 November 2024			Exams period 1
	13 November 2024			Exams period 1
	14 November 2024			Exams period 1
	15 November 2024			Exams period 1
	16 November 2024			
	17 November 2024			
47	18 November 2024	L1		
	19 November 2024			
	20 November 2024			
	21 November 2024			
	22 November 2024			
	23 November 2024			
	24 November 2024			
48	25 November 2024	L2		
	26 November 2024			
	27 November 2024			
	28 November 2024			
	29 November 2024			
	30 November 2024			
	01 December 2024			
49	02 December 2024	L3		Sign up for resits T2
	03 December 2024			Sign up for resits T2
	04 December 2024			Sign up for resits T2
	05 December 2024			Sign up for resits T2
	06 December 2024			Sign up for resits T2
	07 December 2024			Sign up for resits T2
	08 December 2024			Sign up for resits T2
50	09 December 2024	L4		Sign up for resits T2
	10 December 2024			
	11 December 2024			
	12 December 2024			
	13 December 2024			
	14 December 2024			
	15 December 2024			
51	16 December 2024	L5	Selfstudy week	
	17 December 2024		Selfstudy week	
	18 December 2024		Selfstudy week	
Щ	10 December 2024	1	Johnstady Week	

	19 December 2024		Selfstudy week	
	20 December 2024		Selfstudy week	
	21 December 2024		oenstady week	
	22 December 2024			
	ZZ Bedember ZdZ r			
52	23 December 2024		Christmas holidays / University closed	
	24 December 2024		Christmas holidays / University closed	
	25 December 2024		Christmas holidays / University closed	
	26 December 2024		Christmas holidays / University closed	
	27 December 2024		Christmas holidays / University closed	
	28 December 2024			
	29 December 2024			
1	30 December 2024		Christmas holidays / University closed	
			, ,	
	31 December 2024		Christmas holidays / University closed	
	04		Christman halida a / Hairanaita alamad	
	01 January 2024		Christmas holidays / University closed	
	02 January 2024		Christmas holidays / University closed	
	,			
	03 January 2024		Christmas holidays / University closed	
	04 January 2024			
	05 January 2024			
2	06 January 2024	L6		
	07 January 2024			
	08 January 2024			
	09 January 2024			
	10 January 2024			
	11 January 2024			
	12 January 2024			
3	13 January 2024	L7		
	14 January 2024	_		
	15 January 2024	_		
	16 January 2024			
	17 January 2024			
	18 January 2024			
	19 January 2024			
4	20 January 2024	T2		Exams period 2
	21 January 2024			Exams period 2
	22 January 2024			Exams period 2
	23 January 2024			Exams period 2
	24 January 2024			Exams period 2
	25 January 2024			
	26 January 2024			
5	27 January 2024	T2		Exams period 2

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	28 January 2024			Exams period 2
	29 January 2024			
	30 January 2024			
	31 January 2024			
	01 February 2024			
	02 February 2024			
6	03 February 2024	L1		
	04 February 2024			
	05 February 2024			
	06 February 2024			
	07 February 2024			
	08 February 2024			
	09 February 2024			
7	10 February 2024	L2		
	11 February 2024			
	12 February 2024			
	13 February 2024			
	14 February 2024			Sign up for resits T3
	15 February 2024			Sign up for resits T3
	16 February 2024			Sign up for resits T3
8	17 February 2024		Spring holidays / University closed	Sign up for resits T3
	18 February 2024		Spring holidays / University closed	Sign up for resits T3
	19 February 2024		Spring holidays / University closed	Sign up for resits T3
	20 February 2024		Spring holidays / University closed	Sign up for resits T3
	21 February 2024		Spring holidays / University closed	Sign up for resits T3
	22 February 2024			Sign up for resits T3
	23 February 2024			Sign up for resits T3
9	24 February 2024	L3		Sign up for resits T3
	25 February 2024			Sign up for resits T3
	26 February 2024			Sign up for resits T3
	27 February 2024			Sign up for resits T3
	28 February 2024			Sign up for resits T3
	01 March 2024			Sign up for resits T3
	02 March 2024			Sign up for resits T3
10	03 March 2024	L4		Sign up for resits T3
	04 March 2024			
	05 March 2024			
	06 March 2024			
	07 March 2024			
	08 March 2024			
	09 March 2024			
11	10 March 2024	L5		
	11 March 2024			
	12 March 2024			
	13 March 2024			
	14 March 2024			
	1 1 1 1 1 1 1 1 2 1 2 2 7	1	l	

	15 March 2024			
	16 March 2024			
12	17 March 2024	L6		
	18 March 2024			
	19 March 2024			
	20 March 2024			
	21 March 2024			
	22 March 2024			
	23 March 2024			
13	24 March 2024	L7		
	25 March 2024			
	26 March 2024			
	27 March 2024			
	28 March 2024			
	29 March 2024			
	30 March 2024			
14	31 March 2024	Т3		Exams period 3
	01 April 2024			Exams period 3
	02 April 2024			Exams period 3
	03 April 2024			Exams period 3
	04 April 2024			Exams period 3
	05 April 2024			
	06 April 2024			
15	07 April 2024	Т3		Exams period 3
	08 April 2024			Exams period 3
	09 April 2024			Exams period 3
	10 April 2024			
	11 April 2024			
	12 April 2024			
	13 April 2024			
16	14 April 2024	L1		
	15 April 2024			
	16 April 2024			
	17 April 2024			
	18 April 2024		Good Friday / University closed	
	19 April 2024		Cood many Commences, closed	
	20 April 2024			
17	21 April 2024	L2	Eastern / University closed	
	22 April 2024			
	23 April 2024			
	24 April 2024			
	25 April 2024			
	26 April 2024			
	27 April 2024			
18	28 April 2024		May holidays / University closed	
19	28 April 2024 29 April 2024			
	29 April 2024		May holidays / University closed	

O1 May 2024		20 April 2024		May holidays / University closed	
0.2 May 2024		30 April 2024			
03 May 2024					
19				May holidays / University closed	
19					
O6 May 2024	40		1.2		
O7 May 2024   O8 May 2024   O9 May 2024   O9 May 2024   O1 May 2024   O2 May 2024	19		L3	Liberation day / University closed	
OS May 2024   O9 May 2024   O1 May 2024   O2 May 2024   O2 May 2024   O3 May 2024   O3 May 2024   O4 May 2024   O4 May 2024   O5 May 2024   O6 June 2024   O7 June 2024   O6 June 2024   O7 June 2024   O6 June 2024   O7 June 2024   O6 June 2024   O7 June 2024   O6 June 2024   O6 June 2024   O7 Ju					
10 May 2024   11 May 2024   20		-			
10 May 2024   11 May 2024   20   12 May 2024   4   5 ign up for resits T4   13 May 2024   5 ign up for resits T4   14 May 2024   5 ign up for resits T4   15 May 2024   5 ign up for resits T4   16 May 2024   5 ign up for resits T4   16 May 2024   5 ign up for resits T4   17 May 2024   5 ign up for resits T4   18 May 2024   5 ign up for resits T4   19 May 2024   5 ign up for resits T4   20 May 2024   5 ign up for resits T4   20 May 2024   7 ign up for resits T4   20 May 2024   7 ign up for resits T4   20 May 2024   7 ign up for resits T4   20 May 2024   7 ign up for resits T4   20 May 2024   7 ign up for resits T4   7 ign up for resits T5   7 ign up for resits T6   7 ign up for resits T8   7 ign up for resits T9					
11 May 2024					
20					
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14 May 2024   Sign up for resits T4	20		L4		
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## 5 Module and module descriptors

#### 5.1. Business, Finance and Change (MAFC)

In MAFC10 students will become familiar with various topics in the context of finance, such as investment analysis, pricing decisions and the role of risk and uncertainty. Specific attention is provided to the context of modern agribusiness markets and companies. In MAFC20 students learn models of change and recognise the need for change in agribusiness organisations. In addition, students become familiar with implementing a process of change within the organisation. MAFC30 studies the organisation from a perspective of international business law. Doing business means that companies have to deal with regulations and law. This course will explore topics such as contract law, labour law, company law, privacy law, intellectual property and private international rules. At the end of the module, students can apply various tools and techniques to study and evaluate the financial position of the agribusiness firm as a whole, as well as analyse different investments and the role of the environment (in e.g. risk) in these decisions. Also, the student can analyse and implement models of change within an organisation. Furthermore, students are familiarised with topics as contract law, labour law, company law, privacy law, intellectual property and private international rules.

**Link to practice:** The assessment in this module will be linked to an agri-food business/organization. The student will conduct their empirical investigation on the company's annual financial report. In addition the student will create specific investment plans and proposes a process of change. The modes of instruction are as follows:

Practical: 60%: Main project, Case studies,

Theory 40%: Lectures.

**Highlight:** Agrifood businesses operate in volatile environments characterized by a high degree of uncertainty. In this module, students are taught techniques in order to assess and improve the financial management of the organization, improve the organization from a legal perspective as well as from the viewpoint of change management.

**Link to Professorship:** This module can be linked to professorships in environment inclusive entrepreneurship (Ron Methorst) and circular business models (Eric de Bruin), as student can contribute by applying their financial knowledge on new circular business models and by analysing processes of change within modern agricultural entrepreneurship.

	Business, Finance a	and Change (MAF	C)
Coordinator	LOE	credits	6

Module elements	EC	Name	Exam	Period	Literature
MAFC10	2	Financial Management	Assignments	1	Financial Accounting, M.J. Jones. Wiley Publishers
MAFC20	2	Change Management	Assignments	1	The Theory and Practice of Change Management, J.Hayes, Palgrave
MAFC30	2	International Business & Policy	Exam	1	International Law and Business, A global Introduction , Mr. Dr. B.F.W. Wernaart. Noordhoff

Professional task:	Understand and analyse an (agri)business organisation from a financial and legal perspective  Analyse and implement processes of change within the firm					
Professional Role:	Business Developer, Operations Manager					
Methods:	Lectures, practical trainings, tutorials					
Fields of expertise:	Learning objectives The student:					
Financial Management	<ul> <li>Is able to read, analyse and evaluate the financial annual report of agribusiness companies.</li> <li>Understands risks and uncertainty in the environment of the firm, and is able to understand and apply various risk management techniques.</li> <li>Can design budgets and various tools for analysing and controlling the production process of agribusiness companies.</li> <li>is able to evaluate investments plans by using techniques for capital investment appraisal and new opportunities to finance the business.</li> </ul>					
Change Management	<ul> <li>Defines process models of change and recognises the need for a change process.</li> <li>Diagnoses what needs to be changed and identifies power and politics in a change process.</li> <li>Understands the importance of stakeholder management and knows how to handle stakeholders who are resistant to change and how to involve company stakeholders favourably to policy implementation.</li> </ul>					
International Business & Policy	<ul> <li>Understand and assess the merits of the different legal structures that firms who trade internationally have.</li> <li>Understand and critically evaluate the legal foundations when trade takes place over national borders and which laws apply when (including contract)</li> <li>Understand and can evaluate the consequences of national and intranational trade arrangements (including trade disputes)</li> <li>Assess the risks and protections for companies that trade international (including mitigation strategies)</li> <li>Evaluate the impact of international trade policies on businesses in the agrifood sector</li> </ul>					

#### **Professional Master standard:**

- Mastery
- Interprofessional Practice

- The Master in Agribusiness Development is capable of <u>identifying</u> and articulating current and future problems and challenges in the agribusiness sector.
- The Master in Agribusiness Development can <u>design</u> solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects thereby supporting the business strategy.
- The Master in Agribusiness Development is capable of <u>implementing</u> (complex) <u>changes</u> within a company or sector, thereby creating added value for the business.

#### 5.2. Operations & Supply Chain Management (MASC)

The course MASC provides students with the knowledge and tools to (i) develop and implement strategies for managing supply chains, (ii) design efficient operations for competitive advantage, and (iii) managerial decision making for strategic, operational and tactical decisions at supply chain level. At the end of the course, the student can analyse and redesign an agribusiness company's current supply chain by proposing strategies that integrate resource requirements and marketing functions for strategic, operational, and tactical level decisions.

Key topics include:

**Decision Science / Modelling** – students learn linear programming probability and statistics and decision analysis:

**Project Management** – quantitative techniques for effective project planning, scheduling, cost control and estimation:

**Supply Chain Quality Management** – incorporating SCM and QM practices to achieve customer satisfaction through enhanced collaboration in upstream and downstream stakeholders:

**Sustainable Supply Chain Management** – integration of a circular economy perspective with emphasis on product transformation and reverse loops in supply chains:

**Purchasing and Logistics** – the student can apply professional purchasing practices by developing hard and soft skills in this discipline

**Digital transformation:** students learn about the people-process-technology elements of digital transformation and can efficiently apply requirements engineering and use case modelling techniques. **Tutorial Case Analysis** – students will analyse supply chain cases on operations and supply chain management. They will be tasked to solve business problems with knowledge learned from the lectures individually or as a team.

**Link to practice:** The assessment in this module will be linked to a company active in the agri-food supply chain. The student will conduct their empirical investigation on the company's current operations, supply chain strategies, and activities to propose areas of improvement for enhancing performance within the company and its overall supply chain. The modes of instruction are as follows:

**Practical: 60%:** Main project, Case studies, Excursions, guest lectures, Guest lecturers from industry **Theory 40%:** Lectures.

**Highlight:** Supply chains are increasingly complex. In this module, the student will be taught advanced techniques in assessing and improving the operations and supply chain and be able to apply that knowledge in a real-life case study.

**Link to Professorship:** This module can be linked to professorships in sustainable and circular business models.

Sı	Supply Chain & Operations Management (MASC)				
Coordinator	BUP	credits	6		

Module elements	EC	Name	Exam	Period	Literature
MASC10	6	Operations and Supply Chain Management	Assignment	1	Heizer, J., Render, B., Munson, C., & Sachan, A. (2022). Operations management: sustainability and supply chain management, 14/e. ISBN-13: 9780137649136

Professional task:	Analyse and redesign the current supply chain of an agribusiness company by proposing strategies which integrate resource requirements and marketing functions for strategic, operational, and tactical level decisions				
Professional Role:	Supply Chain Manager, Operations Manager				
Methods:	Workshops, Classes, Case Studies, Excursions, Guest Lectures				
Fields of expertise:	Learning objectives The student.				
	<ul> <li>Can align supply chain design to strategic level strategy</li> <li>Can design, operate, and improve the systems that create and deliver a company's primary products and services in the supply chain</li> <li>Understands how developments in areas such as globalisation, digitisation and sustainability are creating new supply chain challenges and opportunities</li> <li>Can understand and evaluate performance data to make appropriate decisions regarding productivity, cost control, and improvements</li> <li>Can analyse complex real-life situations using appropriate operations and supply chain management techniques to make recommendations and assess the consequences of proposed solutions</li> </ul>				

#### **Professional Master standard:**

- Mastery
- Interprofessional Practice
- Effect

- The Master in Agribusiness Development is capable of <u>identifying</u> and articulating current and future problems and challenges in the agribusiness sector.
- The Master in Agribusiness Development can <u>design</u> solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects, supporting the business strategy.
- The Master in Agribusiness Development is capable of <u>implementing</u> (complex) changes within a company or sector, thereby creating added value for the business.

#### 5.3. Professional Development (MAPD)

In MAPD students are trained to be professionals who are smart and self-consciousness, people who know how to increase their impact in businesses by knowing theories, having practical experiences and by knowing themselves. There will be a focus on developing and applying the five Dublin descriptors in new or unfamiliar environments within broader (or multidisciplinary) contexts. Each session has its own preparation. In addition, every student will make a plan afterwards how to practice the things learned about themselves.

**Link to practice:** This module focuses on enhancing the students' knowledge and skills, such as communication, ethics, problem-solving, and leadership. These courses helps students build a strong foundation for their future careers by providing them with practical skills that they can apply in real-world settings.

Practical: 80%: Trainings, workshops and case-studies.

Theory 20%: Lectures.

**Highlight:** this course helps students develop a better understanding of themselves and their career goals, leading to personal and professional growth and development in an international environment.

Professional Development (MAPD)			
Coordinator	HOP	Credits	6

Module elements	EC	Name	Exam	Exam Period	Literature
MAPD10	2	Intercultural communication	Portfolio	2	Culture Map Decoding How People Think, Lead, and Get Things Done Across Cultures – Erin Meyer ISBN: 9789047012689
MAPD20	1	Business Ethics	Essay	1	Ethics and Business – Bart Wernaart – 1st edition – ISBN 9789001865184
MAPD30	3	Professional Skills	Portfolio	1 & 2	

Professional task:	Enhancement of skills and competences to increase impact in (inter)national businesses by knowing theories and knowing themselves.				
Professional Role:	Operations Manager				
Methods:	Lectures, trainings, self-study and self-reflections				
Fields of expertise:	Learning objectives The student:				
Intercultural communication	<ul> <li>Can apply theory and practical insides of cultural differences.</li> <li>Can communicate and act within different (international) cultures.</li> <li>Can see interculture differences as a strength, rather than a weakness within an international business setting.</li> </ul>				
Business ethics	Is able to reflect with regards to a problem with regards to business ethics				
Professional skills	<ul> <li>familiarises himself with the application of culture in a business</li> <li>environment, on leadership, on team building and how to motivate people.</li> <li>develops soft skills needed to operate in an international business.</li> <li>develops the skills necessary to deliver an effective presentation with clarity and impact</li> </ul>				

#### **Professional Master standard:**

Interprofessional Practice

- The Master in Agribusiness Development can <u>effectively and concisely communicate</u> results and engage stakeholders, thereby taking into account the target group and (inter)cultural differences.

  The Master in Agribusiness Development can critically <u>reflect</u> on the process and personal acting, both in retro- as
- in prospect.

#### 5.5. Strategy & Innovation (MASI)

The student will learn the whole plethora of strategic management, from scanning the environment, via strategy formulation and implementation to strategy evaluation and control. Next to that the student will experiment with innovation. The student must come up with a successful new product or process innovation and think it through, from searching and selecting to implementing and capturing value. At the end of the module, The student will be well prepared to evaluate and analyse company strategies. Also, the student can create an innovation, including a fitting business model

**Link to practice:** The assignment in this module will be linked to an agri-food business/organization. The student will develop an innovation, be it a product, a process or other innovation. The assessment will be a presentation in a Dragon's Den or Sharktank like environment

**Practical: 50%:** Innovation project ==> assignment

Theory 50%: Lectures ==> exam

**Highlight:** Agrifood businesses operate in volatile environments characterized by a high degree of uncertainty. A lot of opportunities for innovations are available. Innovations are necessary as well in order to remain competitive.

Strategy & Innovation (MASI)			
Coordinator	MEA	Credits	6

Module elements	EC	Name	Exam	Exam Period	Literature
MASI10	3	Strategy	Written exam	2	Strategic Management and Business Policy – Thomas Wheelen a.o 15 <sup>th</sup> edition – ISBN 9781292215488
MASI20	3	Innovation	Assignment	2	Innovation management and new product development  – Paul Trott – 7th edition – ISBN9781292251523  Corporate Explorer Fieldbook - Andrew Binns and Eugene Ivanov - ISBN9781394159222

Professional task:	Assess a current strategy and give recommendations for a new strategy  Create an innovation and elaborate on the whole innovation chain and ask for a reflection of an expert in the field of innovation				
Professional Role:	Market Developer, Product and Process Manager				
Methods:	Classes about theory, class assignments, creating an innovation				
Fields of expertise:	Learning objectives The student:				
	<ul> <li>Is able to describe many strategy and innovation concepts</li> <li>Is able to evaluate a current company strategy</li> <li>Is able to execute an environmental scan</li> <li>Is able to formulate a strategy on functional, business and corporate level</li> <li>Is able to make an strategy implementation and control plan</li> <li>Is able to create an innovation, including a fitting business model</li> <li>Is able to define a strategy process and apply this to an existing product or start up</li> <li>Is able to frame and organise an innovative activity for implementation in an existing or new business.</li> <li>Is able to pitch an innovative idea</li> </ul>				

#### **Professional Master standard:**

- Mastery
- Effect

#### Final qualifications:

The Master in Agribusiness Development can <u>design</u> solutions aimed at innovation and improvement, thereby
judging the impact of those solutions on related business, social and environmental aspects thereby supporting the
business strategy.

#### 5.4. Research Methods & Data Analyses (MARD)

The course MARD is designed to initiate students into the use of quantitative and qualitative research methods and measurement in applied settings. Students will be introduced to the foundations of empirical inquiry through the formulation and evaluation of research designs and the performance of both descriptive and inferential statistical analyses. The course will emphasise the difference between methodology, methods of data collection and methods of data analysis, providing students with skills to critically evaluate and transmit solutions that are most appropriate for finding the solution for a research question.

The course content emphasises question design, hypothesis testing, data collection and analysis as well as the interpretation of findings. With a focus on applying complex critical and theoretical knowledge, the course will also prepare students to evaluate research journal articles and generate a critique that will assist in the development of interpretation and writing skills.

**Link to practice:** The research module helps to bridge the gap between theory and practice in the agricultural field, and ensure that research can be used in the field. This leads to more effective and evidence-based0 practices, and ultimately, better outcomes.

**Practical: 20%:** Case studies and guest lectures **Theory 80%:** Lectures and computer practical

**Highlight:** In this research module is focused on providing students with the knowledge and skills necessary to conduct high-quality research that is relevant to real-world challenges, and to apply this research to improve agribusiness operations and sustainability.

**Link to Professorship:** This module can be linked to professorship in environment inclusive entrepreneurship. The research methods used in this professorship are a good match with the module.

Research Methods & Data Analyses (MARD)			
Coordinator	HOP	Credits	6

Module elements	EC	Name	Exam	Exam Period	Literature
MARD10	6	Research Methods & Data Analyses	Written exam	2	Marketing Research, An Applied Orientation, Malhotra, Seventh Edition, 2020, Pearson. Print: ISBN 1651732644, Ebook: ISBN 1651732927  Statistics in steps, Nel Verhoeven, August 2020, ISBN 9789024434510

Professional task:	Understanding and applying of different approaches to process research, allowing to make and justify choices in the design of research, and to apply qualitative and quantitative methods.					
Professional Role:	Business Analyst					
Methods:	Lectures, classes, computer practical					
Fields of expertise:	Learning objectives The student:					
	<ul> <li>is able to critically read, understand, and evaluate scientific papers on agribusiness.</li> <li>can embed the research problem into a valid and state-of-the-art theoretical framework.</li> <li>can approach a problem systematically using a research design.</li> <li>is familiar with different research methodologies and is capable of selecting the best methodology for a given problem.</li> <li>is familiar with conceptual models and capable of applying them critically to existing and new research.</li> <li>can collect, organise, synthesise and analyse qualitative and quantitative research data.</li> <li>can evaluate quantitative and qualitative research studies in terms of their approach, analyses, conclusions and limitations.</li> <li>can use a principal component analysis (PCA) for dimensionality-reduction of large data sets, by transforming a large set of variables into a smaller one and interpreted the results.</li> </ul>					

#### **Professional Master standard:**

- Mastery
- Research
- Effect

#### Final qualifications:

The Master in Agribusiness Development use a multidisciplinary and innovative approach to research the problem/challenge. Thereby applying and connecting qualitative and quantitative state-of-the-art scientific and applied knowledge obtained throughout and beyond the international agri-food business.

#### 5.6. Master Internship (MAIN)

The Module MAIN is linked strongly to the professionalisation of the student. The student will develop and orientate in the agri-food business sector within a function that will develop a master's level student. Roles will be diverse, as will projects. Tasks and the main projects should link strongly to the internship companies' needs and be of the "master" level.

Master Internship (MAIN)			
Coordinator	BUP	credits	15

Module elements	EC	Name	Exam	Period	Literature
MAIN10	15	Internship	Portfolio	3 & 4	

Professional task:	Professional development and social education; gain experience working in a organisation; learning to think on a professional level and building communication skills.		
Professional Role:	Business Developer, Supply Chain Manager, Market Developer, Operations Manager, Product and process Innovator		
Methods:	Internship; tutorship meetings; professional coaching		
Fields of expertise:	Learning objectives The student:		
	<ul> <li>can apply skills gained during the master in a real-life organization</li> <li>can reflect on professional skills, talents and potential gaps</li> <li>can work independently and responsibly at academic-level on a professional project within a company setting.</li> </ul>		

#### **Professional Master standard:**

- Interprofessional practice
- Effect

- The Master in Agribusiness Development can <u>design</u> solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects thereby supporting the business strategy.
- The Master in Agribusiness Development is capable of <u>implementing</u> (complex) changes within a company or sector, thereby creating added value for the business.
- The Master in Agribusiness Development can <u>effectively and concisely communicate</u> results and engage stakeholders, thereby taking into account the target group and (inter)cultural differences.
- The Master in Agribusiness Development can critically <u>reflect</u> on the process and personal acting, both in retro- as in prospect.

#### 5.7. Master Thesis (MATH)

The Master's Thesis module (MATH) will apply the student's knowledge, skills, and intuition, to research complex and applied science topics. The Thesis will link closely to the area where the student will be doing the internship and should close a knowledge gap across the industry. The student will be able to conceptualise an idea, review the topic area, select an appropriate methodology, analyse and critically discuss results, and highlight areas of implications and recommendations. The research subject is set up by the student, but could be provided by one of the following professorships of the Aeres University; Environment Inclusive Entrepreneurship, Circular Entrepreneurship in the Agri and Food Sector and Precision Agriculture & Smart Farming if there is a clear linkage with the internship company.

Master Thesis (MATH)			
Coordinator	HOP	Credits	15

Module elements	EC	Name	Exam	Period	Literature
MATH10	15	Thesis	Thesis	3 & 4	

Professional task:	Conducting proposed research and communicating results both written and by oral presentation.		
Professional Role:	Business Analyst, Product and process Innovator		
Methods:	Classes, intern vision and coaching moments		
Fields of expertise:	can apply more in-depth knowledge of the major subject/field of study, including deeper insight into current research and development work.     can use a holistic view to critically, independently and creatively identify, formulate and deal with complex issues.     can plan and use adequate methods to conduct qualified tasks in given frameworks and to evaluate this work.     can present and discuss the conclusions as well as the knowledge and arguments that form the basis for these findings		

#### **Professional Master standard:**

- Research
- Effect

- The Master in Agribusiness Development is capable of <u>identifying</u> and articulating current and future problems and challenges in the agribusiness sector.
- The Master in Agribusiness Development use a multidisciplinary and innovative approach to research the problem/challenge. Thereby applying and connecting qualitative and quantitative state-of-the-art scientific and applied knowledge obtained throughout and beyond the international agri-food business.
- The Master in Agribusiness Development can <u>design</u> solutions aimed at innovation and improvement, thereby judging the impact of those solutions on related business, social and environmental aspects thereby supporting the business strategy.
- The Master in Agribusiness Development can <u>effectively and concisely communicate</u> results and engage stakeholders, thereby taking into account the target group and (inter)cultural differences.

Appendix 1 KSAVE MAD

	Manufada		Attitude / Values and Ethics
	Knowledge	Skills	Attitude/ Values and Ethics
	Agri-food sector		Forward looking
	District on the last		Open minded
	Business models		Efficiency
1		Drahlam analysis	Sustainability
1	Current issues	Problem analysis	Independency
			Exercising good judgement in professional practice
			Loyalty to employer, form or agency
			Caring
		Being able to articulate values and	_
	Management studies	standpoints.	Problem-solving
			Creative
	Economics	Capable of knowledge synthesis	
	Scientific knowledge related to the	Setting up research questions	Analytical
2	agri-food sector	Security desired	·
			Cooperative
	Research methods	Ability to choose and conduct research with the correct methodology given the	Professional attitude
	nescaren methous	context	1 Toressional attitude
			Diligence
			Collaboration
			Reliability
	Knowledge of (inter)national		Ones mind to experite enimines
	policies		Open mind to opposite opinions
	International trade		Awareness
	Risk benefit analysis		Open to dialogue
		Finding and exploring literature and	Sustainability
3		media on current topics, e.g. social,	Tolerance
		business and climate	Solidarity, justice
			Exercising good judgement in professional practice
			Reciprocity
	Innovation (incl. Strategy?)		Honesty
	Operations and Supply Chain		
	Management		Problem solving
			Communicative
	Consumer theory		Persuasive
4		Writing business operation plans	Efficiency
	Change Management		Sustainability
			Minimising cost / maximising profit
			Accountability
			Cooperative
	Intercultural communication	Communication	Cooperating
5	Presentation skills	Presentation	Persuasive
	Academic writing	Systematic thinking	Problem solving
			Integral view

			Flexibility
		Writing (academic) reports	Open minded
			Transparency
			Entrepreneurship
			Responsibility
			Honesty
	Quality management	Critical analysis	(Time) commitment
			Mastery
6	Reflective techniques	Synthesis	Self-motivation
O			Optimisation
		Evaluation	Honesty
			Trustworthy

### Appendix Two Dublin Descriptors

#### **Dublin Descriptors**

- **1. Knowledge and understanding** have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context
- **2. Applying knowledge and understanding:** can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study;
- **3. Making Judgments**: have the ability to integrate knowledge and handle complexity, and formulate judgements with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgements
- **4. Communication:** can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and nonspecialist audiences clearly and unambiguously;
- **5. Learning skills:** have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.

Aeres UAS



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