

INTERNATIONAL FOOD & AGRIBUSINESS COURSE CATALOGUE 2022-2023





Preface

The IFA course catalogue lists all courses offered for the 2022-2023 academic year in the International Food & Agribusiness (IFA) programme at the HAS University of Applied Sciences.

The catalogue gives specific information about the courses provided during the 2022-2023 academic year including course content, credits, learning outcomes, activities and methods, assessment, course coordinator and study materials.

The information presented in the catalogue was composed in May 2022 and is subject to minor changes. The final and leading information is published in the course study manual for each module within the IFA study program. For more information about the IFA study programme and enrolment, please visit our website www.hasinternational.nl.

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Introduction

The IFA program consists of a 4-year programme that is divided into a propaedeutic year and a main phase of 3 years. The main phase is divided into the core phase and the qualified to start phase. Students can obtain a total of 60 credits for each academic year. Table 1 outlines the IFA curriculum as offered in academic year 2022-2023.

Table 1: IFA curriculum academic year 2021-2022

| | Term 1 | Term 2 | Term 3 | Term 4 | | |
|--------|--|--|---------------------------------------|---|--|--|
| | Global Food Systems IF1421 (6) | Agri Food Business IF1423 (6) | Business Economics IF1425 (8) | Work Experience | | |
| Year 1 | Intro Food IF1422 (7) | Primary Production IF1424 (8) | Biobased Economy IF1426 (6) | Placement IF1427 (14) | | |
| | | Personal Lead | ership IF1420 (5) | | | |
| | | | | | | |
| | Business & Marketing IF2441 (8) | Sustainable Value Chains IF2443 (8) | Business Development 1 IF2445 (6) | Business Development 2 IF2447 (6) | | |
| Year 2 | Circular Agri-food Production I IF2442 (6) | Circular Agri-food Production II IF2444 (6) | Food Systems Governance IF2446 (8) | Extension on Sustainability IF2448 (8) | | |
| | | Personal Lead | ership IF2450 (4) | | | |
| | | | | | | |
| Year 3 | Internship (30) Electives (30), e.g. Internship or Minor | | | | | |
| | | | | | | |
| | Specialisati | on (30), e.g. | Professional Assign | nment IF4450 (28) | | |
| Year 4 | Future Foo | od Systems | Professional Asses | ssment IF4403 (2) | | |

A description of the various courses in year 1, 2 and 4 is provided in the following chapters. More information on test and examinations can be found in the TER, about the program in the Study manual and specific details about the courses in the course manuals.

Year 1

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|-------------------------|--|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF1420 |
| Course unit title | Personal Leadership YEAR 1 |
| Location | Den Bosch |
| Coordinator | Milouska Lensing-Molenaars (MMi) |
| Type of course unit | Mandatory □ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 5 |
| Moment of delivery | Year 1 Term 1-4 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Learning outcomes | The main goal of the Personal Leadership course is to teach the student how to instigate his or her personal development based on self-knowledge, personal motivation, learning goals, self-reflection, and feedback. The course offers opportunities to reflect on personality, behavior and attitude. It provides students with tools for change and improvement and offers them guidelines for reaching personal objectives and exploring their talents, values and ambitions. Moreover, the Personal Leadership course teaches students how to critically self-reflect in relation to others, leading to personal leadership within relevant social, international and ethical dimensions. The full IF1420 course runs the full academic year and each term focuses on one or more sub-topics. In term 1 the first-year students are welcomed at HAS, and are given the opportunity to get better acquainted with fellow-students & IFA staff members in the international classroom. In this scope students participate in an intensive introduction week, including a 3-day excursion to the Dutch Wadden Island Texel. Moreover they meet with their coach to start drawing up their own personal development plan (PDP). In term 2 the focus lies on getting to know their Talents and learning how to turn these into Strengths. They take the Gallup StrengthsFinder test and learn how to draw up personal and professional learning aims, as well as how to reflect on those. Students also receive their preliminary study advice this term. In term 3 the Personal Leadership activities help the students to prepare for their Work Experience Placement (WEP) in term 4 and Domain focus for year 2, being either Primary Production or Food. In term 4 the students use all inputs from the previous terms to reflect on their personal and professional development over the past year (incl. an ethical dilemma) and describe their plans and learning aims for next year. |
| | 5. Value Based Leadership After successful completion, the student is able to: Term 1: — Connect with co-students &staff effectively (teambuilding) — Understand the purpose of personal development (plan) & self-reflection |

| Learning activities and teaching methods | developm Term 3: - Understa Term 4: - Write a pe - Describe Method Introduction Coach consi Personal Lecures & v | e learning nent plan nd the use ersonal refan ethical n week ultations (adership (lement houworkshops | aims, based e of turning p flection repo dilemma pe min. 1 per te homework) | personal to port, based ersonally decrm) | ents | gths developmei . in WEP cor | nt plan ntext) / load (hours) 40 5 40 20 25 |
|--|---|---|--|--|------------------------------|------------------------------------|--|
| | Ethics (linke | d to 3 PBL | . cases) | | | | 10 |
| | Total | | | | | | 140 |
| Test matrix | | | | | | | |
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination | Resit |
| Self-reflection report (incl. ethical dilemma and 20 self- management hours) | ASSI | 0 | PASS | pass/ fail | IND | Wk 1-10 | tbd |
| ** The retake options depend on t | he reason(s) fo | r failing the | L e assignmen | t(s). The le | cturer or coach th | nerefore deci | des upon the |
| exact substitute assignment or re | | _ | _ | | | | |
| Study materials | | | | | | | |
| Title | Author | | Status | | Туре | Code/con | nments |
| Course Manual Personal Leadership YEAR 1 | Lensing-Mol M.F. | lenaars, | Required | | Digitally available | Updated 6 | each year |
| StrengthsFinder 2.0, Discover Your CliftonStrengths | Rath, T. | | Required | | Book | ISBN 978- 6 | 1-59562-015- |
| Estimated cost | | | | | | | |
| Cost item | Approximat | e cost | | | Comments | | |
| Introduction week (3 day- excursion Texel) | Approx. €18 | 0 | | | Depending on activities | exact progra | amme & |
| StrengthsFinder 2.0, Discover Your CliftonStrengths | Approx. €180 Depending on ex activities Approx. €25 Including unique SF test. Please bu second-hand!) ve otherwise do not access code. | | | | buy a NEW (version, as y | = NOT you | |
| Remarks | - | | | | | | |
| Course information | | | | | | Year of stud | dy: 2021-2022 Version: def |
| Study Programme | Internationa | al Food an | d Agribusine | ess | | | |

| Course information | | Year of study: 2021-2022 Version: def |
|----------------------------------|---|---|
| Study Programme | International Food and Agribusiness | |
| Course unit code | IF1421 | |
| Course unit title | Global Food Systems | |
| Location | Den Bosch | |
| Coordinator | Neeltje Bekkers (BeN) | |
| Type of course unit | Mandatory □ Not mandatory | |
| Language of instruction | English | |
| Credits (ECTS) | 6 | |
| Moment of delivery | Year 1 Term 1 | |
| Prerequisites | None | |
| Application deadline | 1-5-2021 | |
| Content | In this module Global Food Systems (GFS) diverse elements system are discussed. Important topics are system thinking parchitecture of a food system. Different stakeholders in the soutcomes of a food system (food security, waste, etc). | principles, the |
| Learning outcomes | The module contributes to the following program qualificati 1. Improving Sustainability of the Global Agri-Food System 4. Creating Change 5. Value Based Leadership 6. Project Management 7. Conducting Applied Research After successful completion, the student is able to: Q1 Student understands the global food system and - Understand the architecture, functioning, dynami the global food system. - Understand the concept of sustainability - Understand the principles of systems thinking Q4 Student identifies different stakeholders and reco opinions and values - Identify relevant stakeholders and their role in the Q5 Student shows awareness of personal talents and - Understands the basics of giving & receiving feedback - Understand what an ethical dilemma is and recognize it Q6 Student actively contributes to projects as part of - Cooperate with fellow students in a group assignment; pro information (PBL skills) Q7 Student executes consecutive steps in applied re- | d its outcomes ics and outcomes of ognizes different e global food system d competences if a team ovide and ask for |
| | Able to search for literature in the (HAS) library, GreenI and select information from explicitly given sources at HBO level between principle and sub-issues Able to determine main issue for an identified problem in | vel; and differentiate a guided setting |
| Learning activities and teaching | Method | Study load (hours) |
| methods | Lectures, related activities, private study | 88 |
| | PBL (Problem Based Learning, 5 cases) | 80 |
| | Total | 168 |
| Test matrix | | |

| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination | Resit |
|-------------------------------------|------------------------|------------------|------------------|--------------|---------------------------|------------------------|-----------|
| Written Test | WRT | 1 | 5.5 ¹ | 1-10 | IND | Wk 9 | Term 2 |
| PBL | ASSI | 0 | pass | Pass/fail | IND | Wk 1-8 | Term 2 |
| Study materials | | | | | | | |
| Title | Author | | Status | | Туре | Code/comments | |
| Reader Global Food Systems | Bekkers, N | | Required | | Digitally available | Updated each year | |
| Study Manual Global Food Systems | Bekkers, N | | Required | | Digitally available | Updated | each year |
| PBL Study Manual | Bekkers, N | Bekkers, N | | Required | | Updated | each year |
| Estimated cost | | | | | | | |
| Cost item | Approximat | e cost | | | Comments | | |
| Vimeo film PBL | €5 | | | | | | |
| Excursion | €25 | | | | | | |
| Remarks | - | | | | | | |

¹ Formally 4.0 or higher is a valid grade, but only 5.5 or higher will give credit points

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|-------------------------|--|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF1422 |
| Course unit title | Introduction Food |
| Location | Den Bosch |
| Coordinator | Sandra van den Berg (BeSa) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 7 |
| Moment of delivery | Year 1 Term 1 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | This module consists of different elements; Informative lectures and the group project are on the topics 'Food Processing' and 'Nutrition'. Supporting seminars/lectures on 'Chemistry' and 'Reporting' and 'Referencing' are also part of this module 'Food processing' gives the student an introduction in general production and processing aspects of food. Students will learn about the main components of ingredients and their application for food. The topic 'Nutrition' gives students insight into dietary patterns, food products and their consequences on health. They will learn about macronutrients, micronutrients, and water, the recommendations on daily food intake, the purpose of dietary guidelines and how to interpret the nutritional needs of a human being. Some supporting seminars on 'Chemistry' will provide basic knowledge on substances and reactions in food. Throughout the course students work on a group project analyzing ingredients and processes for a food production chain. They will become familiar with the necessary processing techniques in the production chain as well as the nutritional value of the product and how it fits in a healthy diet. Lectures on reporting and referencing are scheduled to help students plan and write the report during this module but also other modules yet to come. |
| Learning outcomes | The module contributes to the following program qualifications: 2. Contributing to Sustainable Innovation in Agri-Food Production and Consumption; 6. Project management; 7. Doing Research — After successful completion, the student: Q2 Student understands agro-food production and consumption, their interrelations and sustainability impact — Understands food processing systems, storage and its involved actors — Understands nutrition levels and requirements — Understands properties and conversion of substances in food — Analyses food processing and safety, and nutritional value and health and sustainability impact of food product |

| Learning activities and teaching methods Test matrix | CompletApplies aApplies oQ7 Student | es steps in a clear stru correct refe executes of s properties elated activ | a project i cture (form erencing in consecutiv es of food, | n a timely nat) in a pro reporting e steps in a using a hyp | oject report applied researc | ch | ad (hours) 146 50 196 |
|--|--|--|--|---|------------------------------|------------------------|-----------------------|
| tr Ba | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination | Resit |
| Written test on Processing and Nutrition | WRT | 7 | 4.0 | 1-10 | IND | Wk 9 | Next term |
| Project 'Commodity to consumer product' | PROJ | 3 | 4.0 | 1-10 | GRP | Wk 10 | Next year |
| Study materials | | | | <u>l</u> | | <u> </u> | |
| Title | Auth | or | Sta | atus | Type | Code/ | comments |
| Course Manual, 2022 | Berg, S. var | ı den | Req | uired | Digitally available | Update | d each year |
| Project Management, A practical Approach | R. Grit | | Req | uired | Book | | 978-90-01- 7562-5 |
| Doing research - the hows and whys of applied research | Nel Verhoevedition) | ven (4 th | Req | uired | Book | ISBN 978 | 39462364820 |
| Estimated cost | , | | | | <u> </u> | | |
| Cost item | Approxima | te cost | | | Comments | | |
| Project Management, A practical Approach | €30 | | | | This book is IFA program | | years of the |
| Doing research - the hows and whys of applied research | €55 | | | | This book is IFA program | | years of the |
| Group Excursion (by bus) | €50 | | | | Shared excu | | F1421 |
| Remarks | | | | | | | |

| Course information | | Year of study: 2022-2023 Version: 03-2022 |
|-------------------------|---|--|
| Study Programme | International Food and Agribusiness | |
| Course unit code | IF1423 | |
| Course unit title | Agri-Food Business (AFBus) | |
| Location | Den Bosch | |
| Coordinator | Mark Copsey (CoM) | |
| Type of course unit | ☑ Mandatory ☐ Not mandatory | |
| Language of instruction | English | |
| Credits (ECTS) | 6 | |
| Moment of delivery | Year 1 Term 2 | |
| Prerequisites | None | |
| Application deadline | 1-5-2022 | |
| Content | This course teaches students about: The different functions, activities and operational syst an agri-food business Use of strategy, marketing and innovation to different The functioning of agri-food supply chains Key principals and concepts of marketing and sales | iate a business |
| Learning outcomes | The module contributes to the following program qualifiands. Contributing to New Business Models 4. Creating change 6. Project Management 7. Research After successful completion, the student is able to: Q3 Student understands how international food- & agriberation and a student understand consecutive steps of runnitional logistics Inderstand the basic elements of supply chain manal logistics Recognise and understand some fundamentals of material Q4 Student identifies different stakeholders and recognitiand values Remember and understand the basics of communication (building trust) Indicate differences between cultures and describe how communication in and between cultures in an international business Give a professional presentation in English Q6 Student actively contributes to projects as part of a terminal project report Q7 Student executes consecutive steps in applied reseation in Perform some basic calculations on a given data set in | ousinesses operate ing a business gement including arketing ses different opinions tion & giving advice ow this affects ational agri-food eam /rite a well-structured arch n Excel |
| Learning activities and | Method | Study load (hours) |
|) | Theory is provided in weekly instruction lectures | 28 |
| teaching methods | | |
| teaching methods | | |
| teaching methods | Excursion | 4 |
| teaching methods | Excursion For the group projects, tutor meetings | 4 12 |
| teaching methods | Excursion | 4 |

| Test matrix | | | | | | | |
|---|----------------------------|-------------------|--------------|--------------|------------------------------------|-----------------------------------|--------------|
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit |
| Written test on Agri-food business | WRT | 1 | 4.0 | 1-10 | IND | Wk 9 (2 hrs) | Next term |
| Project | PROJ | 1 | 4.0 | 1-10 | GRP | Wk 10 | Next year |
| Study materials | | | | | | | |
| Title | Author | | Status | | Туре | Code/co | |
| Course Manual | M. Copsey | M. Copsey Require | | | Digitally Make a print available | | rint |
| Lecture hand-outs, additional literature and articles | Various | | Required | | Digitally available | | |
| The Essentials of Operations Management | N. Slack | | Required | | Digitally available | | |
| Marketing and the Customer Value Chain | T. Fotiadis | e.a. | Required | | Book | ISBN 978 | 1138394490 |
| Cultures and Organisations – software of the mind | G. Hofstede Hofstede, M | | Required | | Book | ISBN 978 | 0071664189 |
| Business for Punks | J. Watt | | Recomm | ended | | ISBN 978 | 0241202890 |
| Estimated cost | | | | | | | |
| Cost item | Approximat | te cost | | | Comments | | |
| Required literature/books | €90 for red | quired boo | lks | | Useful as refer entire IFA prog | | rial for the |
| Group Excursion (by bus) | €25 | | | | | | |
| Other travel | N/A | | | | Group work, b | y own trans | sportation |
| Remarks | - | | | | | | |

| Year of study: 2022-2023 Version: 03-2022 |
|--|
| International Food and Agribusiness |
| IF1424 |
| Primary Production Systems |
| Den Bosch |
| Gracia Ribas (RiG) |
| ■ Mandatory □ Not mandatory |
| English |
| 8 |
| Year 1 Term 1 |
| None |
| 1-5-2022 |
| Primary production is broad and diverse. The module focussing on crop and animal production from four perspectives; ✓ Soil, Fertilization and Feed ✓ Management (e.g. labour, technology and housing) ✓ Breeding and Genetics ✓ Health and Diseases We look at the impact of crop- and animal production on global climate change, food waste and loss of biodiversity. We will compare intensified with agroecological farming as production systems, to obtain diverse views on how to cope the challenges in production. |
| To participate successfully, students should be able to: Q4 Creating Change - Identify relevant stakeholders and their role in the global food system Q5 Value based Leadership - Understands the basics of giving & receiving feedback - Understand what an ethical dilemma is and recognize it Q6 Project Management - Cooperate with fellow students in a group assignment; provide and ask for information Q7 Conducting Applied Research - Able to search for literature in the (HAS) library, GreenI and online sources; able to select information from explicitly given sources at HBO level - Able to determine main issue for an identified problem in a guided setting This module contributes to the following IFA qualifications: - 2. Contributing to sustainable innovation in Agri-food production - 4. Creating Change - 5. Value Based Leadership - 6. Project Management - 7. Conducting Applied Research After successful completion, the student is able to: Q2 Student understands agro-food production and consumption, their interrelations and sustainability impact |
| |

| | | _ | | | ed inputs and or duction and sus | | · · |
|--|--|--|---|-----------------------|---|---|---|
| | During Pro that are pra | | _ | | learning object | ives related | to the skills |
| | | | | | ر. I talents and cor | npetences | |
| | | | | | g the basic feedb | | |
| | | | | | a simple analys | | |
| | | Q6 Student actively contributes to projects as part of a team Cooperate with fellow students in a group assignment, provide and ask for | | | | | |
| | | - Cooperate with fellow students in a group assignment; provide and ask for information (PBL skills) | | | | | |
| | | * | , | ng (structi | ure, form) manne | er | |
| | | | | | n applied resear | | |
| | | | | | via GreenI, onlir | | |
| | | | | | implicitly given | | |
| Learning activities and | Method | to the pro | blem; and | amerenti | ate between pri | | ad (hours) |
| teaching methods | Total conta | act hours | | | | Study lot | 60 |
| O | | Self-Study PBL (24 hours/case) | | | | | 96 |
| | Self-study | | | | | | 24 |
| | Self-study | | | | | 68 | |
| | Total | | | | | | 224 |
| Test matrix | | | | | | | |
| - Cot Matrix | | | | | 1 | | |
| - Cot Macin | tion | | | | | tion | |
| - COCCHIGATION | ination | ctor | υ υ | | | nination | |
| - Social de la company de la c | xamination | g factor | grade | ale |) / STX | () | |
| | of examination | nting factor | om grade | g scale | dual/ p work | of examination tion) | |
| | ype of examination | /eighting factor | ottom grade | ating scale | ndividual/ roup work | ime of examination duration) | esit |
| Written test | Type of examination | - Weighting factor | ري Bottom grade | Rating scale | Individual/ Group work | E Time of examination (duration) | Resit Next term |
| Part | A Type of examination | | 2. Bottom grade | 1-10 Rating scale | ≡ Individual Group work | 5) A Time of examination (s. 6) (duration) | Resit Next term |
| Part | | | | 1-10 Pass/ | | Wk9 | |
| Written test PBL | WRT | 1 | 5.5 ² | 1-10 | IND | Wk 9 (2 hrs) | Next term |
| Written test PBL Study materials | WRT | 1 | 5.5 ² pass | 1-10 Pass/ | IND | Wk 9 (2 hrs) Wk 8 | Next term Next year |
| Written test PBL Study materials Title | WRT ASSI Author | 0 | 5.5 ² pass Status | 1-10 Pass/ fail | IND IND Type | Wk 9 (2 hrs) Wk 8 | Next term Next year mments |
| Written test PBL Study materials Title Study manual Primary | WRT | 0 | 5.5 ² pass | 1-10 Pass/ fail | IND IND Type Digitally | Wk 9 (2 hrs) Wk 8 | Next term Next year |
| Written test PBL Study materials Title | WRT ASSI Author | 0 | 5.5 ² pass Status | 1-10 Pass/fail | IND IND Type | Wk 9 (2 hrs) Wk 8 | Next term Next year mments |
| Written test PBL Study materials Title Study manual Primary Production Systems Lecture hand-outs, additional literature and articles | ASSI Author Van de Stee | 0 | 5.5 ² pass Status Required | 1-10 Pass/fail | IND IND Type Digitally available | Wk 9 (2 hrs) Wk 8 | Next term Next year mments |
| Written test PBL Study materials Title Study manual Primary Production Systems Lecture hand-outs, additional literature and articles Estimated cost | ASSI Author Van de Steel Various | 1 0 eg, J | 5.5 ² pass Status Required | 1-10 Pass/fail | IND IND Type Digitally available Digitally available | Wk 9 (2 hrs) Wk 8 | Next term Next year mments |
| Written test PBL Study materials Title Study manual Primary Production Systems Lecture hand-outs, additional literature and articles Estimated cost Cost item | ASSI Author Van de Stee Various Approxima | 1 0 eg, J | 5.5 ² pass Status Required | 1-10 Pass/fail | IND IND Type Digitally available Digitally | Wk 9 (2 hrs) Wk 8 | Next term Next year mments |
| Written test PBL Study materials Title Study manual Primary Production Systems Lecture hand-outs, additional literature and articles Estimated cost Cost item Group Excursion (by bus) | ASSI Author Van de Stee Various Approxima €20 | 1 0 eg, J | 5.5 ² pass Status Required | 1-10 Pass/fail | IND IND IND Type Digitally available Digitally available Comments | Wk 9 (2 hrs) Wk 8 Code/co Updated | Next term Next year mments each year |
| Written test PBL Study materials Title Study manual Primary Production Systems Lecture hand-outs, additional literature and articles Estimated cost Cost item | ASSI Author Van de Stee Various Approxima | 1 0 eg, J | 5.5 ² pass Status Required | 1-10 Pass/fail | IND IND Type Digitally available Digitally available | Wk 9 (2 hrs) Wk 8 Code/co Updated | Next term Next year mments each year |

² Formally 4.0 or higher is a valid grade, but only 5.5 or higher will give credit points

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|----------------------------|--|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF1425 |
| Course unit title | Business Economics |
| Location | Den Bosch |
| Coordinator | Mieke Rovers-Lenssen (RoMi) |
| Type of course unit | ■ Mandatory □ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 8 |
| Moment of delivery | Year 1 Term 3 |
| Prerequisites | None |
| Application deadline | 01-05-2022 |
| Content Learning outcomes | This course covers: The practical introduction to business economics. Students learn: The key principles, concepts and systems of finance, financial accounting and management accounting respectively; Understand which factors determine management, organisation, inventory and warehousing decisions; How to interpret and execute basic financial calculations, analysis, and prepare financial documents; Proper usage of KPIs developing intermediate Excel/Mathematics skills; The course is a practical guide to essential skills of understanding/using financial information for decision-making, e.g. determine the overall financial position, judge the impact on the financial sustainability of an organisation. The module contributes to the following IFA programme qualifications: |
| | 3. Contributing to international business development 6. Project management 7. Conducting applied research After successful completion, the student is able to: Q3: Student understands how international food- & agribusinesses operate Explain financial management principles in given examples; Carry out financial structure assessment of international agri-food businesses; Use cost structure and apply costing principles; Explain used financials in annual reports and draw conclusions; Explain how True Cost Accounting as tool can be effective to address the pervasive imbalance in our agri-food system; Determine the financial and sustainability implications of inventory and warehousing decisions; Recognise and understand different organisation structures, management, and leadership styles of companies (SMEs); Recognise and understand the internal/external factors that determine internal organisation/management. Q6: Student actively contributes to projects as part of a team Plan, execute, monitor and evaluate a project including resources within a self-steering project team. Q7: Student executes consecutive steps in applied research Perform calculations (percentage, equations, exponential functions) on a given assignment and/or data set in Excel; Select, analyse, and combine information to formulate main/sub-questions; Within the international project identify and structure key findings; visualise |

| Learning activities and | Method | | | | | Study load (hours) | | |
|---|---|-------------------------|---------------------------------------|------------------------------------|---------------------------------|--------------------|--------------|--|
| teaching methods | Thematic 8 | instructio | n lectures | | | | 30 | |
| | Tutorials (c | ompulsor | y) | | | 8 | | |
| | Question & | . Answer se | | | 7 | | | |
| | Internation | al project | mpulsory) | | 8 | | | |
| | Guest lectu | ires + excu | s (compulsory) | | 11 | | | |
| | Excel/math | nematics ir | ncl. self-stu | dy | | | 26 | |
| | Self-study l | nours + pro | oject work | | | | 134 | |
| | Total | | | | | | 224 | |
| Test matrix | | | | | | | | |
| Part | Type of examination Weighting factor Bottom grade Rating scale Individual/ Group work | | Time of examination (duration) | Resit | | | | |
| Written test | WRT | 7 | 5.5 | 1-10 | IND | Wk 9 (2 hrs) | Next term | |
| Project Business (review, | PROJ | 3 | 4.0 | 1-10 | GRP | Wk 1-10 | TBD | |
| report + infographic) | | | | | | | | |
| Study materials | | | | | | | | |
| Title | Author | | Status | | Type | Code/comments | | |
| Course manual | M. Rovers-l | _enssen | Required | | Digitally available | · | each year | |
| Reader | M. Rovers-L | Lenssen | Required | | Digitally available | Updated | each year | |
| The Basics of Financial Management; 5th edition | W. Koetzier Brouwers | -, R. | Required | | Book | 97890017 | 738334 | |
| Mathematics for Business Economics | H. Hamers, Kleppe, B. I | | Recommended | | Book | 97890244 | 128427 | |
| Project Management, A practical Approach | R. Gritt Requ | | | | Book | Already ir | n possession | |
| Estimated cost | | | | | | | | |
| Cost item | Approxima | te cost in (| | | Comments | | | |
| Required literature/books | €90 for required book €90 for additional books (if not in possession yet) | | | Useful as refer entire IFA prog | | rial for the | | |
| Travel costs excursion | €25 | | | | Aimed to be co Biobased Ecor | | ith IF1426 | |
| Remarks | - | · | · · · · · · · · · · · · · · · · · · · | | | <u> </u> | | |

| Course unit code Course unit title Biobas Location Den B Coordinator Frank Type of course unit Language of instruction Credits (ECTS) Moment of delivery Prerequisites Application deadline Content Nowac resour that af chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module I-1-1-2-0 IF 1-4-2-0 IF 1-4- | ational Food and Agribusiness |
|---|--|
| Course unit title Location Den Book Coordinator Frank Type of course unit Language of instruction Credits (ECTS) Moment of delivery Prerequisites Application deadline Content Nowac resour that af chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module Den Book Man Biobas Prank Man | ationati ood and Agribasiness |
| Location Coordinator Frank Type of course unit Language of instruction Credits (ECTS) 6 Moment of delivery Prerequisites Application deadline Content Nowac resour that af chang biomo fuels, a sustaii course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module Den Br Frank Frank Mar | |
| Type of course unit Language of instruction Credits (ECTS) Moment of delivery Prerequisites Application deadline Content | sed Economy |
| Type of course unit Language of instruction Credits (ECTS) Moment of delivery Prerequisites Application deadline Content Nowac resour that af chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Cc | • |
| Type of course unit Language of instruction Credits (ECTS) Moment of delivery Prerequisites Application deadline Content Nowac resour that af chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module | de Bont (BoF) |
| Language of instruction Credits (ECTS) 6 Moment of delivery Prerequisites Application deadline Content Nowae resour that af chang biome fuels, a sustain course essent can be value oppor produ footpr Achieved Learning Outcomes prior to this module Englis Englis Course (a) Fuels, a sustain course essent can be value oppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Co | ndatory Not mandatory |
| Credits (ECTS) 6 Moment of delivery Year 1 Prerequisites None Application deadline 1-5-20 Content Nowad resour that at chang biomore fuels, a sustain course essent can be value voppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Co | |
| Moment of delivery Prerequisites Application deadline Content Nowac resour that at chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module Year 1 None 1-5-20 Nowac resour that at chang biomo fuels, a sustain course essent can be value v oppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Co | |
| Prerequisites Application deadline Content Nowac resour that ad chang biomo fuels, a sustain course essent can be value oppor produ footpr Achieved Learning Outcomes prior to this module None Nome Nowac resour that ad chang biomo fuels, a sustain course essent can be value oppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Co | Term 3 |
| Application deadline Content Nowac resour that af chang biomo fuels, a sustair course essent can be value oppor produ footpr Achieved Learning Outcomes prior to this module 1-5-20 Nowac resour that af chang biomo fuels, a sustair course essent can be value oppor produ footpr Q2 (Co | |
| Content Nowac resour that at chang biomore fuels, a sustain course essent can be value voppor produ footpr Achieved Learning Outcomes prior to this module Q2 (Co | 22 |
| prior to this module Q2 (Cc | days, most of our fuels and materials are still produced from fossil rees. Fossil resources are, however, finite and their use results in emissions feet the environment and human health. Therefore, there is a tendency to e towards a Biobased Economy (BBE). In a BBE, biomass and elecules are the building blocks for (non-)food products, such as colorants, and construction materials. However, biobased products are only nable when the biomass/biomolecules are produced sustainably. This efocusses on renewable production of biomass, considering the cycling of cial elements that are needed to grow biomass. Biomass is complex and e used to produce multiple products. The student will learn to apply the vs. volume theory including ethical dilemmas to indicate business tunities in the BBE. Finally, the student will investigate the impact of ction on climate change, even in the BBE, by calculating a carbon int. |
| - Und - Und - Und and - Und - Und issu Q5 (Va - Fort feed Q6 (Pr - Cod info - Pres Q7 (Cd - Peri set - Find | Illue based Leadership): mulate a learning aim based on feedback received, and ask for related dback & feedforward oject Management): operate with fellow students in a group assignment; provide and ask for armation sent results in a convincing (structure, form) manner onducting Applied Research) form some basic calculations (mean, standard deviation) on a given data in Excel d original sources via GreenI, online and in the (HAS) library |
| - Sele pro | d original sources via GreenI, online and in the (HAS) library ect information from pre-assigned sources at HBO level, relevant to the blem ue external information and form an opinion |

| | | | | | nd sub-questior r tutor | ns, in their o | own words, | |
|-------------------------|--|--|----------------------|--------------|----------------------------|-----------------------------------|------------|--|
| Learning outcomes | The modul 2. Contribu Consumpt 5. Value Ba 6. Project r | with the help of fellow students or their tutor The module contributes to the following program qualifications: 2. Contributing to Sustainable Innovation in Agri-Food Production and Consumption 5. Value Based Leadership 6. Project management | | | | | | |
| | After succe Q2: Studer interrelatio - Explain - Explain - Explain an overv energy/l - Quantify | 7. Conducting Applied Research After successful completion, the student is able to: Q2: Student understands agro-food production and consumption, their interrelations and sustainability impact - Explain the relevance of a Biobased Economy - Explain the main (biobased) processes occurring on planet earth - Explain the Biobased Economy at present and in the near future, and provide an overview of biomass, conversion technologies and bioenergy/biomaterials - Quantify the food versus fuel dilemma and suggest possible solutions - Quantify the flows (input and impact) of carbon based on the processes of a | | | | | | |
| | that are pr Q5 Studen - Provide aware o - Exchang Q6 Studen - Present Q7 Studen - Formula based o - Select, a additior - Select se | During Problem Based Learning sessions learning objectives related to the skills that are practised (Qualification 5, 6 and 7) are: Q5 Student shows awareness of personal talents and competences - Provide and receive feedback, by applying the basic feedback rules, being aware of a multicultural setting - Exchange ideas about an ethical dilemma Q6 Student actively contributes to projects as part of a team: - Present results in a convincing manner (in terms of both structure and form). Q7 Student executes consecutive steps in applied research - Formulate a main question and useful sub-questions in their own words, based on a given case - Select, analyze and combine information from pre-assigned sources with additional information they have sourced themselves | | | | | | |
| | - Assess e | - Assess external information leading to the formation of an opinion | | | | | | |
| Learning activities and | Method | | | | | Study loa | ad (hours) | |
| teaching methods | | em Based | | 1 cases) | | | 60 | |
| | | Lectures and private study | | | | | 90 | |
| | Excursion | | | 8 | | | | |
| | , | piodiesel), i | incl. prepa | ration | | | 8 | |
| | | Exam | | | | | 2 | |
| | Total | | | | | | 168 | |
| Test matrix | | | | | | | | |
| | | | | | | | | |
| - | e of examination | ighting factor | tom grade | ing scale | ividual/ oup work | ne of examination ration) | it | |
| Part | Type of examination | Weighting factor | دن ن Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit | |

 $^{^{3}}$ Formally 4.0 or higher is a valid grade, but only 5.5 or higher will give credit points

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| | | | | | | (2 hrs) | | |
|---------------------------|---------------------------------------|-------------------------|----------|--|------------------------|-------------------|-----------|--|
| PBL + attendance | ASSI | 0 | pass | pass/ fail | IND | Wk 1-8 | Next year | |
| Study materials | | | | | | | | |
| Title | Author | | Status | | Туре | Code/co | mments | |
| Course Manual | Bont, F. de Re | | Required | | Digitally available | Updated each year | | |
| Various articles | - | | Required | | Digitally available | Updated each year | | |
| Practical guide Biodiesel | Van der Hout & van Required Eerten | | | | Digitally available | Updated | each year | |
| Estimated cost | | | | | | | | |
| Cost item | Approxima | te cost in (| € | | Comments | | | |
| Required literature/books | none | | | | | | | |
| Travel costs excursion | € 25 | | | Combined with IF1425 Business Economics | | | | |
| Remarks | - | | | | | | | |

| Course information | Year of study: 2022-2023 Version: def |
|---|---|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF1427 |
| Course unit title | Work Experience Placement (WEP) |
| Location | Den Bosch |
| Coordinator | Gracia Ribas (RiG) |
| Type of course unit | Mandatory □ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 14 ECTS |
| Moment of delivery | Year 1 Term 4 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | During this module, the student will gain practical work experience in an organization in the agri-food sector. The WEP takes place with a duration of 9 weeks. Four days a week the student works in the daily operations of the host organization. One day per week the students works on HAS WEP assignments either from home, or on the premises of the organization. The WEP can take place either in the Netherlands or abroad. |
| Achieved Learning Outcomes prior to this module | To participate successfully, students should be able to: |
| | Q1 Improving Sustainability of the Global Agri-Food System Understand the architecture, functioning, dynamics and outcomes of the global food system Understand the concept of sustainability Understand the principles of systems thinking Q2 Contributing to Sustainable Innovation in Agri-Food Production and Consumption Student understands agro-food production and consumption, their interrelations and sustainability impact Q3 Contributing to New Business Models Recognize and understand consecutive steps in the manufacturing of agrifood products Understand the basic elements of logistics Recognize and understand some fundamentals of marketing Explain financial management principles in given examples. Carry out financial structure assessment of international agri-food businesses. Use the cost structure and apply costing principles. Explain used financials in annual reports and draw conclusions. Recognize and understand different organization structures, management, and leadership styles of companies (SMEs) Recognize and understand the internal/external factors that determine internal organization/management Recognize and understand logistical steps and principles in international agrifood supply chains Q4 Creating change Identify relevant stakeholders and their role in the system of the WEP organization Remember and understand the basics of communication & giving advice (building trust) Q5 Value Based Leadership Identify an ethical dilemma and make a simple analysis, and exchange ideas about it. |

| | Formulate learning aims, based on personal talents, as part of personal development plan Understand the use of turning personal talents into strengths Q6 Project Management Present results in a convincing (structure, form) manner Plan and monitor project activities in a project team action plan; Prepare and | | | | | | | |
|------------------------------|---|------------------|------------------|-------------------|---------------------------|-----------------------------------|-------------|--|
| | | | | | | | | |
| Learning outcomes | monitor a project budget The WEP contributes to the following program qualifications: Map the system of the organization in a visual way (Q1) Explain the architecture, functioning, dynamics and outcomes of the organizations' system (Q1) Describe what is your role in the organization and the applicable daily activities (Q2) Describe the different departments and/or processes of the organization in a clear and visual way (Q2) Explain how the activities/processed are interrelated and what their impact is on sustainability (Q2) Apply 3 of the learning outcomes of qualification 3 level 1 (contributing to new business models) to the host organization (Q3). Identify relevant stakeholders and their role in the system of the WEP organization (Q4) Apply basic communication skills in a professional setting (Q4) Reflect on your personal and professional growth according the STARR method (Q5) Reflect on the IFA qualifications that you applied during the WEP (Q5) Write a well-structured project report (Q6) Set up a simple research report for an simple problem in a guided setting (Q7) | | | | | | | |
| Learning activities and | Method | a simple re | .searen rep | 0016101 011 31111 | pte probtem | Study loa | | |
| teaching methods | | on & info s | essions | | | | 5 | |
| | 4 days pe (9*32h/w | | ecution of \ | WEP in organis | sation | | 288 | |
| | 1 day per the organ | | aring assig | gnments (at ho | me or at | | 72 | |
| | (9*8h/we | | | | | | | |
| | Report / \ Total | /log | | | | 27 392 | | |
| Test matrix | Total | | | | | | 33 <u>2</u> | |
| oart . | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit | |
| WEP vlog (40%), report (40%) | ASSI | 1 | 5.5 ⁴ | 1-10 | IND | Weeks | Term 1, | |
| & performance (20%) | | | | | | 6 & 9 | 2023-2024 | |
| Assessment host organization | ASSI | 0 | - | 1-10 formative | IND | Week 9 | N.A | |
| Study materials | A | | | | T | C. L | | |
| Title | Author | | 5 | tatus | Type | Code/co | nments | |

⁴ Formally 4.0 or higher is a valid grade, but only 5.5 or higher will give credit points

| Course Manual IF1427 | Ribas, G. | Required | Digitally available | Updated each year | |
|----------------------|---------------------|----------|------------------------|---------------------|--|
| Estimated cost | | | available | | |
| Cost item | Approximate cost in | ı€ | Comments | | |
| Travels | By own/public trans | | | ending on where WEP | |
| Remarks | | | | | |

Year 2

| Course information | Year of study: 2022-2023 |
|---|--|
| | Version: 05-2022 |
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2441 |
| Course unit title | Business & Marketing |
| Location | Den Bosch |
| Coordinator | Mieke Rovers-Lenssen |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 8 |
| Moment of delivery | Year 2 Term 1 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | The Business & Marketing course trains you for strategic business management and marketing concepts and principles in the international agri-food market, as well as conducting applied research in your chosen domain. |
| | With a small student team, for a given organisation, you will identify the value proposition, conduct a situational analysis, define strategic options and deliver an overall implementation and customer value creation plan. |
| | In essence, the course is structured around business challenges and opportunities. |
| | Introduction to applied strategic marketing and the planning process; Use data in assessing the business environment (incl. risk mitigation/financial drivers/structure and culture); Insight in customer behaviour (B2B/B2C); Apply research methodology (incl. LRFM/statistics) in a given assignment; Define a central problem based on SWOT analysis and identify options; Define segmentation, targeting and positioning (STP); Construct an overall 1-year execution plan. |
| Achieved Learning Outcomes prior to this module | To participate successfully, students should be able to: Q3: Contributing to New Business Models - Understand consecutive steps in manufacturing agri-food products; - Understand the basic elements of logistics, inventory and warehousing; - Understand fundamentals of marketing; - Explain financial management principles in given examples; - Carry out financial structure assessment of international agri-food businesses; - Use cost structure and apply costing principles; - Explain used financials in annual reports and draw conclusions; - Explain how True Cost Accounting as tool can be effective to address the pervasive imbalance in our agri-food system; - Recognise and understand different organisation structures, management, and leadership styles of companies (SMEs); - Recognise and understand the internal/external factors that determine internal organisation/management. |

| | Q4. Creating Change - Student can apply basic advisory skills, throughout a | brief and controlled | | | | | |
|-------------------------|--|-----------------------|--|--|--|--|--|
| | advisory process commissioned. Q6. Project management | | | | | | |
| | - Write a structured and complete project proposal; | | | | | | |
| | Present results in a convincing (structure, form) man | ner; | | | | | |
| | - Compose a project plan (including planning/budget | | | | | | |
| | Q7 (Conducting Applied Research) | | | | | | |
| | - Formulate conclusions and recommendations | | | | | | |
| Learning outcomes | The module contributes to the following program qualificati | ons: | | | | | |
| | 3. Contributing to New Business Models | | | | | | |
| | 4. Creating Change | | | | | | |
| | 5. Value-based leadership | | | | | | |
| | 6. Project management | | | | | | |
| | 7. Conducting Applied Research | | | | | | |
| | After successful completion, the student is able to: | | | | | | |
| | Q3: | | | | | | |
| | - Execute the consecutive steps of the marketing | planning process; | | | | | |
| | - Analyse the business environment and determine marketing | | | | | | |
| | strategies; | | | | | | |
| | - Estimate the financial drivers as part of developing marketing | | | | | | |
| | strategies; | | | | | | |
| | - Illustrate business models and key management/organisation | | | | | | |
| | aspects of SMEs/family businesses; | 1 | | | | | |
| | - Determine a 1-year implementation and custom | ner value creation | | | | | |
| | plan. | | | | | | |
| | Q4:Formulate and pitch advice for a SME on a mark | eting assignment | | | | | |
| | Apply basic advisory skills, throughout a market | | | | | | |
| | commissioned by an external client. | ing planning process | | | | | |
| | Q5: | | | | | | |
| | - Give and receive feedback in projects, in order to | o reflect on personal | | | | | |
| | development; | р столо | | | | | |
| | Q6: | | | | | | |
| | - Write a structured and complete (1-year) implen | nentation plan for an | | | | | |
| | external client (including planning/budgeting/ri | sk assessment) | | | | | |
| | Q7: | | | | | | |
| | - Apply various research methodologies, includin | g interview | | | | | |
| | techniques, for collection of primary/secondary | data of acceptable | | | | | |
| | quality; | | | | | | |
| | - Collect data in a correct and organised manner; | | | | | | |
| | - Analyse collected data for discussion and formu | lating conclusions | | | | | |
| | and advice; | | | | | | |
| | - Choose proper methods to answer the research | question and justify | | | | | |
| | the use of the methods (i.e. LRFM/statistics); | | | | | | |
| Learning activities and | Discuss results and methods. Method | Study load (hours) | | | | | |
| teaching methods | | | | | | | |
| 0 | Thematic (guest/instruction) lectures | 40 | | | | | |
| | Group Project including tutoring/company visits | 80 | | | | | |

| Private study and written test | 104 |
|--------------------------------|-----|
| Total | 224 |

| Test matrix | | | | | | | |
|---|-------------------------|------------------|--------------|--------------|---|--------------------------------------|--------------|
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit |
| Written test | WRT | 1 | 4.0 | 1-10 | IND | Wk 9 (2hrs) | Next term |
| Project | ASSI | 1 | 4.0 | 1-10 | GRP | Wk 10 | Next term |
| Study materials | | | | | | | |
| Title | Author | | Status | | Туре | Code/co | mments |
| Course manual | M. Rovers-L | enssen. | Required | | Digitally available | Updated | each year |
| Lecture hand-outs, additional literature, articles | Various | | Required | | Digitally available | Updated each year | |
| Marketing Fundamentals - An International Perspective (2nd edition, 2013) | B.J. Verhage | | Recommended | | Book | Already in possession | |
| Applied Strategic Marketing | K. Alsem | | Required | | Book | ISBN 9781138332089 | |
| The Basics of Financial Management; 5th edition | W. Koetzier Brouwers | , R. | Required | | Book | Already in possession | |
| Doing research - the hows and whys of applied research (4th edition) | N. Verhoeve | en | Required | | Book | Already ii | n possession |
| Project Management, A practical Approach | R. Grit | | Required | | Book | Already in | n possession |
| Estimated cost | | | | | | | |
| Cost item | Approxima | te cost | | | Comments | ; | |
| Literature/books | €45 for red | quired boo | ok | | Useful as reference material for | | |
| | App. €150 possession | | onal books | (if not in | the entire IFA programme | | nme |
| Group excursion (by bus) | About €25 | | | | Aimed to b IF2442 Circ Production | cular Agri-F | |
| Other travel | About €25 | - | | | Cost for ow depending located. | | |
| Remarks | - | | | | 1 | | |

| Course information | Year of study: 2022-2023 |
|---|---|
| | Version: 03-2022 |
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2442 |
| Course unit title | Circular Agri-Food Production 1 |
| Location | Den Bosch |
| Coordinator | Frank de Bont (BoF) |
| Type of course unit | Mandatory □ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 6 EC |
| Moment of delivery | Year 2, Term 1 (but: This course can only be taken in combination with Circular Agri-Food Production 2 (IF2444)) |
| Prerequisites | See Achieved Learning Outcomes prior to the start |
| Application deadline | 1-5-2022 |
| Content | The current food system is unsustainable: resources are depleted, waste streams are not reused and diets are not healthy. Meanwhile, agricultural production is an increasing resource for materials and chemicals in a biobased economy. |
| | In this course students will learn current opportunities to optimize the production and consumption in the food system, that will help to develop towards a circular economy. Students will learn to calculate balances on different elements, and the technologies that can promote circular production. |
| | Also, students will execute a research project in the field of agri-food production They will do their own experiments, using the lab facilities of HAS. The results will be presented in a report and at an event (in term 2). |
| Achieved Learning Outcomes prior to start | O2 (Contributing to Sustainable Innovation in Agri-Food Production and Consumption): - Explain the relevance of a Biobased Economy - Explain the main (biobased) processes occurring on planet earth |
| | - Explain the Biobased Economy in present and near future and give an overview of biomass, conversion technologies and bio-energy/biomaterials |
| | - Quantify the food versus fuel dilemma and come up with possible solutions |
| | - Quantify the flows (input and impact) of carbon based on the processes of a farm (foot printing). |
| | O7 (Conducting Applied Research): - Perform some basic calculations (mean, standard deviation) on a given data set in Excel with given data |
| | - Formulate a main question and useful sub-questions in their own words, based on a given case |
| | - Select, analyze and combine information from implicitly given sources with extra information they have found themselves |

| | 6.1.1 | . / | . 1 . | Tar Value | . 1 1 | . 1. 1.1 | |
|---|---|--|--------------|-----------|-----------------------------|--------------------------------|---|
| | - Select sources (secondary data) that are relevant and reliable | | | | | | |
| | - Judge external information leading to the formation of an opinion | | | | | | |
| Learning outcomes | The module contributes to the following IFA-program qualifications: 2. Contributing to Sustainable Innovation in Agri-Food Production and Consumption 7. Conducting Applied Research After successful completion, the student is able to: O2: Student analyses (international) developments and opportunities towards sustainable agrofood production and consumption - Student can evaluate options to valorize waste streams of food production systems - Student can compute the amount of streams and resources in food the production system O7: Student executes applied research and contributes to its design - Describe relevant research methodologies (experiments) - Write a theoretical background using up to date and trustworthy information sources | | | | | | |
| | Formulate and test a hypothesis Choose proper methods to answer the research question and justify the use | | | | | | |
| | of the methods. | | | | | | |
| Learning activities and | Method Study load (hours) | | | | | | |
| _ | | | | | | Study | rioad (nours) |
| teaching methods | Lectures ar | nd inspirat | ion sess | sions | | Study | 36 |
| _ | Lectures ar | • | ion sess | sions | | Study | |
| _ | | visits . | | | | Study | 36 |
| _ | Company v Practicals (Tutor meet | visits in lab or ir ings | | | | Study | 36 8 2 4 |
| _ | Company v Practicals (Tutor meet Project wo | visits in lab or ir ings | | | | Study | 36 8 2 4 52 |
| _ | Company v Practicals (Tutor meet Project wor Self study | visits in lab or ir ings | | | | Study | 36 8 2 4 52 64 |
| _ | Company v Practicals (Tutor meet Project wo Self study Exams | visits in lab or ir ings | | | | Study | 36 8 2 4 52 64 2 |
| teaching methods | Company v Practicals (Tutor meet Project wor Self study Exams Total | risits in lab or ir ings rk | | | | Study | 36 8 2 4 52 64 |
| _ | Company v Practicals (Tutor meet Project wor Self study Exams Total | risits in lab or ir ings rk | | | | Study | 36 8 2 4 52 64 2 |
| teaching methods | Company v Practicals (Tutor meet Project wor Self study Exams Total | risits in lab or ir ings rk | | | Individual/ Group work | Time of examination (duration) | 36 8 2 4 52 64 2 168 |
| Test matrix IF2442 – Circular Ag | Company v Practicals (Tutor meet Project wo Self study Exams Total ri-Food Prod | risits in lab or in ings rk uction 1 | n field or | rat home) | Individual/ ☐ Group work | | 36 8 2 4 52 64 2 168 |
| Test matrix IF2442 – Circular Ag Written test Circular Agri-Food | Company v Practicals (Tutor meet Project wo Self study Exams Total ri-Food Prod | Meighting factor Meighting factor Meighting factor | Bottom grade | rat home) | | Time of examination (duration) | 36 8 2 4 52 64 2 168 |

 $^{\rm 5}$ Formally 4.0 or higher is a valid grade, but only 5.5 or higher will give credit points

| Study materials | | | | | | |
|---|-----------------------------|----------|------------------------|---|--|--|
| Title | Author | Status | Туре | Code/comments | | |
| Study manual Circular Agri- Food Production | Bont, F. de | Required | Digitally available | Updated each year | | |
| Doing Research - the Hows and Whys of Applied Research | Nel Verhoeven (4th edition) | | Book | Already in possession | | |
| Estimated cost | Estimated cost | | | | | |
| Cost item | Approximate cost | | Comments | | | |
| Travel costs excursions | €50 | | | visit, aimed to be ith IF2441 Business and | | |
| Literature | (€50) | | If not in poss | session yet | | |

| Course information | Year of study: 2022-2023 | | | | | |
|---|--|--|--|--|--|--|
| | Version: 04-2022 | | | | | |
| Study Programme | International Food and Agribusiness | | | | | |
| Course unit code | IF2443 | | | | | |
| Course unit title | Sustainable Value Chains | | | | | |
| Location | Den Bosch | | | | | |
| Coordinator | Marnix Wolters (WoMa) | | | | | |
| Type of course unit | ☑ Mandatory ☐ Not mandatory | | | | | |
| Language of instruction | English | | | | | |
| Credits (ECTS) | 8 | | | | | |
| Moment of delivery | Year 2 Term 2 | | | | | |
| Prerequisites | None | | | | | |
| Application deadline | 1-5-2022 | | | | | |
| Content | Within the Sustainable Value Chains module, the following topics are covered: Market transformation & sustainability initiatives; Voluntary sustainability standards (certification); Supply chain management, logistics and distribution; Quality management in global supply chains; Global food trade via global food chains and commodity markets; Price volatility and business mitigation strategies; Responsible & inclusive business. | | | | | |
| Achieved Learning Outcomes prior to this module | Understand the architecture, functioning, dynamics and outcomes of the global food system. Understand the concept of sustainability Understand the principles of systems thinking Q3 Student understands agro-food production and consumption, their interrelations and sustainability impact Recognize and understand consecutive steps in the manufacturing of agrifood products | | | | | |
| | Identify consecutive processes throughout the supply chain of a food product Recognize and understand logistical steps and principles in international agrifood supply chains Q4 Student identifies different stakeholders and recognizes different opinions and values Identify relevant stakeholders and their role in the global food system Remember and understand the basics of communication & giving advice (building trust) Give a professional presentation in English Indicate differences between cultures and describe how this affects communication in and between cultures in an international agri-food business Identify relevant stakeholders and their role in the global food system Apply basic communication skills in a professional setting Q5 Student shows awareness of personal talents and competences | | | | | |

- Understands the basics of giving & receiving feedback
- Understand what an ethical dilemma is and recognize it
- Q6 Student actively contributes to projects as part of a team
- Plan project activities in a project team
- Complete steps in a project in a timely manner
- Apply a clear structure (format) in a project report
- Present project results in a convincing (structure, form) manner
- Apply correct referencing in reporting
- Write a well-structured project report

Learning outcomes

The module contributes to the following program qualifications:

- 1. Improving Sustainability of the Global Agri-Food System
- 3. Contributing to New Business Models
- 5. Value-based leadership
- 6. Project management

After successful completion, the student is able to:

- Q1 Student is able to analyse the governance and sustainability of food systems and examine different system interventions
- Understand global food trade via chains and markets and interpret interventions towards sustainable market transformation
- Analyse sustainability challenges in the global food system and argue possible business interventions
- Q3 Student identifies opportunities in agri-food markets and international supply chains and with that contributes to business development
- Interpret the functioning and effect of contractual agreements, trade agreements and other policy instruments on international trade relations and different stakeholders
- Analyse the effect of fluctuations in currencies, commodities and the interdepency of these flows and identify tools for risk mitigation
- Execute a Plan-Do-Check-Act (pdca) cycle for quality management systems
- Compare and judge decisions in the set-up and management of value chains, both up- and downstream, for sustainability and operational issues. Give recommendations for improvements that make sense in a business environment
- Execute a Plan-Do-Check-Act (pdca) cycle for quality management systems
- Compare and judge decisions in the set-up and management of value chains, both up- and downstream, for sustainability and operational issues. Give recommendations for improvements that make sense in a business environment
- Understands the concepts of Lean and Agile production and the implications thereof on agrifood supply chains
- Analyse the financial implications of sustainability interventions in existing supply chains

Q4: Student advices a single company on sustainable improvement in the global agri-food sector

- apply basic advisory skills, throughout a brief and controlled advisory process commissioned by an external client
- Q5: Student evaluates personal talents and competences, and reflects on ethical issues, leading to personal leadership
- Give and receive feedback in projects, in order to reflect on personal development
- Q6: Student organizes and executes a project and collaborates in teams and with the client
- Compose a project plan for a real-life assignment (including planning/budgeting/risk assessment)
- Execute a real life project in international context according to a set-up project plan and with guidance

| Method | Study load (hours) |
|-----------------------------|--------------------|
| Lectures | 32 |
| Guest lectures | 6 |
| Tutorials (group project) | 7 |
| Excursion to PoR | 8 |
| Self-study and project work | 191 |
| Total | 224 |

Test matrix

| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit |
|--------------|------------------------|------------------|--------------|--------------|---------------------------|--------------------------------------|-------------------|
| Written test | WRT | 3 | 4.0 | 0-10 | IND | Wk9 | Next term |
| Project | PROJ | 2 | 4.0 | 0-10 | GRP | Wk8 | Next year/tbd* |

^{*} The retake options depend on the reason(s) for failing the assignment(s). The tutor therefore decides upon the exact substitute assignment or re-sit possibility, and does this in consultation with the module coordinator or other coaches

Study materials

| Title | Author | Status | Туре | Code/comments |
|--|-----------------------------|----------|------------------------|-----------------------|
| Course Manual | Wolters, M | Required | Digitally available | Updated each year |
| Changing the Game | Simons, L and Nijhof, A. | Required | Book | New (published 2020) |
| IFA Value Chain Reader | Wolters, M | Required | Digitally available | Already in possession |
| Project Management, A practical Approach | Grit, R. | Required | Book | Already in possession |

Estimated cost

Cost item Approximate cost in € Comments

| Literature/books | Approx. 80 EUR | If not in possession yet |
|------------------|----------------|--------------------------|
| Excursion | Approx. 25 EUR | Port of Rotterdam visit |
| Company visits | Approx. 25 EUR | Depending on location |
| Remarks | | |

| Course information | Year of study: 2022-2023 |
|---|---|
| | Version: 03-2022 |
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2444 |
| Course unit title | Circular Agri-Food Production 2 |
| Location | Den Bosch |
| Coordinator | Frank de Bont (BoF) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | IF2444 |
| Moment of delivery | Year 2, Term 2 (but: This course can only be taken in combination with Circular Agri-Food Production 1 (IF2442)) |
| Prerequisites | See Achieved Learning Outcomes prior to the start |
| Application deadline | 1-5-2022 |
| Content | The current food system is unsustainable: resources are depleted, waste streams are not reused and diets are not healthy. Meanwhile, agricultural production is an increasing resource for materials and chemicals in a biobased economy. |
| | In this course students will learn current opportunities to optimize the production and consumption in the food system, that will help to develop towards a circular economy. They will focus on one domain: either Primaray Production or Food Production and Consumption. In either domain students will learn about current technological developments and possible solutions to promote a sustainable system. |
| | Also, students will execute a research project in the field of agri-food production They will do their own experiments, using the lab facilities of HAS. The results will be presented in a report and at an event (in term 2). |
| Achieved Learning Outcomes prior to start | O2 (Contributing to Sustainable Innovation in Agri-Food Production and Consumption): - Explain the relevance of a Biobased Economy |
| | - Explain the main (biobased) processes occurring on planet earth |
| | - Explain the Biobased Economy in present and near future and give an overview of biomass, conversion technologies and bio-energy/biomaterials |
| | - Quantify the food versus fuel dilemma and come up with possible solutions |
| | - Quantify the flows (input and impact) of carbon based on the processes of a farm (foot printing). |
| | Q7 (Conducting Applied Research): Perform some basic calculations (mean, standard deviation) on a given data set in Excel with given data |
| | - Formulate a main question and useful sub-questions in their own words, based on a given case |

- Select, analyze and combine information from implicitly given sources with extra information they have found themselves
- Select sources (secondary data) that are relevant and reliable
- Judge external information leading to the formation of an opinion

And specific for the choice for Food or Primary Production: O2 Food:

- Understand food processing systems
- Understanding nutrition levels and requirements
- Understand properties and conversion of substances in food

O2 Primary production systems:

- Understand the differences in primary production systems (crop and animal) and its impacts on production levels
- Understand the differences in required inputs and outputs, and its impacts
- Understand the relation between primary production and sustainability issues

Learning outcomes

The module contributes to the following IFA-program qualifications:

- 2. Contributing to Sustainable Innovation in Agri-Food Production and Consumption
- 7. Conducting Applied Research

After successful completion, the student is able to:

<u>Q2: Student analyses (international) developments and opportunities towards sustainable agrofood production and consumption</u>

Domain Food

- Student can illustrate the impact of valorizing options on resources, environment and health
- A student can assess interventions to promote sustainable diets and food security
- A student can examine Innovations in technological developments in food processing and health and sketch possible impact for the future

Domain Primary Production:

- Student can illustrate the impact of valorizing options on resources, environment and health
- A student can suggest innovations to promote agro-ecolocial or sustainable intensifcation practices
- A student can examine current and future innovations in primary production systems and sketch possible impact on the future

<u>O7: Student executes applied research and contributes to its design</u>

- Collect data in a correct and organised manner
- Discuss results and methods
- Perform some basic statistic calculations (e.g. mean, standard deviation, frequencies, crosstabs, Chi-square, analysis of variance) on a collected data set, making use of statistical software (R)
- Formulate conclusions and recommendations.

| Learning activities and | Method | | | | | Study | load (hours) |
|--|--------------------------------|------------------|--------------|--------------|--|--------------------------------------|--------------|
| teaching methods | Lectures an | ıd inspirat | ion sess | ions | | | 36 |
| | Company v | | | | | | 8 |
| | Practicals (i | in lab, in fi | eld or a | t home) | | | 2 |
| | Tutor meet | ings | | | | | 4 |
| | Project wor | k | | | | | 46 |
| | Event | | | | | | 6 |
| | Self study | | | | | | 65 |
| | Exams | | | | | | 1 |
| Test matrix IF2444 – Circular Agr | Total i-Food Produ | uction 2 | | | | | 168 |
| resemanti z m en | 110001100 | uction 2 | | | | | |
| | nc | factor | ade | e] | _ * | uc | |
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit |
| Oral test Circular Agri-Food Production | ORAL | 2 | 4.0 | 1-10 | IND | Wk9 | Next term |
| Project Circular Agri-Food Production 2 | ASSI | 1 | 4.0 | 1-10 | GRP | Wk 1-10 | Next term** |
| ** The retake options depend on the exact substitute assignment or re- | | | | | | | |
| Study materials | | | | | | | |
| Title | Author | | Status | ; | Туре | Code/cor | mments |
| Course manual Circular Agri- Food Production | Bont, F. de | | Requi | red | Digitally available | Updated | each year |
| Doing Research - the Hows and Whys of Applied Research | Nel Verhoev edition) | ven (4th | Requi | red | Book | Already ir | n possession |
| Estimated cost | | | | | | | |
| Cost item | Approximat | te cost | | | Comments | | |
| Travel costs excursions | €50 1 con comb | | | | company visit, aimed to be ombined with IF2443 Sustainable alue Chains | | |
| Literature | (€50) If not in possession yet | | | | | | |

| Course information | Year of study: 2022-2023 |
|---|--|
| | Version: 03-2022 |
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2445 |
| Course unit title | Business Development 1 |
| Location | Den Bosch |
| Coordinator | Mark Copsey (CoM) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 6 |
| Moment of delivery | Year 2 Term 3 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | This course covers: |
| | Introduction into entrepreneurship and (international) business start up to achieve social and environmental impact. Develop a (draft) business ideas to feed into a self-elaborated business venture. Conduct a statistical (quantitative) analysis of a market survey. |
| Achieved Learning Outcomes prior to this module | To participate successfully, students should be able to: Q3 Contributing to New Business Models Recognise and understand logistical steps and principles in international agri-food supply chains; Determine the financial and sustainability implications of inventory and warehousing decisions; Recognise and apply the fundamentals of Marketing; Identify, explain and demonstrate financial management and costing principles, (financial and cost) structures, investments and annual reports: Explain financial management principles in given examples; Carry out financial structure assessment of international agri-food businesses; Use cost structure and apply costing principles; Explain how True Cost Accounting as tool can be effective to address the pervasive imbalance in our agri-food system; Recognise and understand different organisation structures, management, and leadership styles of companies (SMEs); Recognise and understand the internal/external factors that determine internal organisation/management. Q7 Conducting Applied Research Perform some basic calculations (mean, standard deviation) on a given data set in Excel with given data; Formulate a main question and useful sub-questions in their own words, based on a given case; |

| | T | | | | | | |
|-----------------------------------|--|--|--|--|---|--|--|
| | | | | information found themse | | ly given so | urces with |
| | - Select so | ources (sec | ondary da | ta) that are re | elevant and r | eliable; | |
| | - Judge ex | ternal info | rmation le | ading to the | formation of | an opinio | n. |
| Learning outcomes | Q3. New Bu Q6. Project Q7. Doing re After succes Q3: Analyse (Sustainable Manag organis entrep Logisti interna Financ assum plan. Q6: Comple company ce Apply r Q7: Studen Apply v accept Statisti Apply i Analyse | usiness Mo managem esearch ssful comp e & evaluat e) Busines ement & E sational fe reneurship cs: evaluat ational agr ial manage ptions, des ete tasks a ontext: methodolo t executes various res able qualifical analys nterview tre e and judg | dels pletion, the e (sustaina es Venture: ntreprener asibility ba o in a self-e e and dem i-food supp ement: dist sign a clear applied re earch metl ty; is & calcula echniques, e collected | il the financi revenue mo e within a gro niques and to search and c nodologies fo | ole to: s opportunit ate and dem ries of) mana siness ventu istical steps al implicatio del, and deli oup project i pols of projec ontributes to or collection given) data se | ies based of constrate the agement & constrate the agement & constraint of the agement of the ag | oles in on your or financial disciplinary ment. or) data of earket survey; |
| Learning activities and | Method | sions and | advice). | | | Study | load (hours) |
| teaching methods | Thematic le | etures | | | | | 25 |
| | Working led | | aractive) | | | | 13 |
| | Guest lectu | | ractive) | | | | 5 |
| | Company v | | | | | | 5 |
| | Group proje | ect: busine | ess case (co | ncept) | | | 80 |
| | Private stud | dy / exam | | | | | 40 |
| | Total | | | | | | 168 |
| Test matrix | | | | | | | |
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit |
| Written test Statistics | WRT | 1 | 4.0 | 1-10 | IND | Wk9 | Next term |
| Assignment Business Development 1 | ASSI | 1 | 4.0 | 1-10 | IND | Wk 9 | Next term |
| | 1 | i . | i . | 1 | 1 | i . | 1 |

| Project Business Development 1 | PROJ | 2 | 4.0 | 1-10 | GRP | Wk 10 | Next term |
|---|--|-------------|--------------|----------------|--|---------------------|------------|
| Study materials | | | | | | | |
| The study material builds on IFA Yea Management by Brouwers, Doing R Marcus; and Project Management b | esearch by Verl | noeven; Mai | rketing Fund | amentals by Ve | erhage; Organ | | |
| Title | Author | | Status | | Туре | Code/cor | nments |
| Course Manual | M. Copsey | | Required | | Digitally available | Updated each year | |
| Business development reader | Multiple aut | hors | Required | | Digitally | Reader | |
| Statistics and 'R' | HAS Univers | | Required | | Digitally available | Reader | |
| The Sustainable Business Handbook | D. Grayson | | Required | | Book | ISBN 9782 | 1398604049 |
| The Design Thinking Toolbox | M. Lewrick | | Recomme | ended | Tools | Soft copy available | |
| Disciplined Entrepreneurship | B. Aulet | | Recomme | ended | Book | Soft copy | available |
| Design a Better Business | P. van der F | Pijl | Recomme | ended | Book | Soft copy | available |
| Estimated cost | | | | | | | |
| Cost item | Approximat | e cost in € | | | Comments | | |
| Literature/books | €45 for req €80 for add possession | ditional bo | | 1 | | | |
| Group excursion (by bus) | €15 | | | | | | |
| Other travel | About €25 | =- | | | Small excur own transp estimated o | ortation. Ba | ased on |

Remarks

transport.

| Course information | Year of study: 2022-2023 |
|---|--|
| | Version: 04-2022 |
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2446 |
| Course unit title | Food Systems Governance |
| Location | Den Bosch |
| Coordinator | Bram van Helvoirt (HeBr) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 8 |
| Moment of delivery | Year 2 Term 3 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | Within the Food Systems Governance module, the following topics are covered: The human right to food; The (changing) roles, interests and responsibilities of government, private sector and civil society in the governance of food systems; Public and private governance of food systems and global agri-food chains; Food systems governance issues relating to sustainability, justice and democracy; Food trade in relation to food sovereignty; Policy (in)coherence and food politics; Analysis and real-life exploration of international food systems; Moral dilemmas in the global food system and ethical sensitivity. |
| Achieved Learning Outcomes prior to this module | Q1 Student understands the global food system and its outcomes Understand the architecture, functioning, dynamics and outcomes of the global food system. Understand the concept of sustainability Understand the principles of systems thinking Q3 Student understands agro-food production and consumption, their interrelations and sustainability impact Recognize and understand consecutive steps in the manufacturing of agrifood products Identify consecutive processes throughout the supply chain of a food product Recognize and understand logistical steps and principles in international agrifood supply chains Q5 Student shows awareness of personal talents and competences Understands the basics of giving & receiving feedback Understand what an ethical dilemma is and recognize it Q6 Student actively contributes to projects as part of a team |

| | - Plan project activities in a project team | | | | |
|-------------------------|--|-----------------------|--|--|--|
| | - Complete steps in a project in a timely manner | | | | |
| | - Apply a clear structure (format) in a project report | | | | |
| | Present project results in a convincing (structure, form) |) manner | | | |
| | - Apply correct referencing in reporting | , | | | |
| | - Write a well-structured project report | | | | |
| | write a well structured project report | | | | |
| | Q7 Student executes consecutive steps in applied researcher Formulate a main question and useful sub-questions in based on a given case | | | | |
| | - Select, analyze and combine information from implicit extra information they have found themselves | ly given sources with | | | |
| | - Select sources (secondary data) that are relevant and r | eliable | | | |
| | - Judge external information leading to the formation of | f an opinion | | | |
| Learning outcomes | The module contributes to the following program qualific | cations: | | | |
| | Improving Sustainability of the Global Agri-Food Syster Contributing to New Business Models Value-based leadership Conducting Applied Research | n | | | |
| | After successful completion, the student is able to: | | | | |
| | Q1 Student applies knowledge on the governance and sustainability of food systems to contribute to a solution in a clearly arranged situation - Interpret the governance of the global food system from an institutional and political economy perspective; - Analyse existing policy interventions in the food system to assess their effectiveness; - Engage with food system actors in a real-life international setting to understand system functioning and outcomes | | | | |
| | Q3 Student identifies opportunities in agri-food markets and international supply chains and with that contributes to business development - Understand international agrifood trade patterns and policy instruments and how these influence the business climate for agrifood SMEs | | | | |
| | Q5: Student evaluates personal talents and competences issues, leading to personal leadership Demonstrate intercultural (disciplinary and stakeholdership) Reflect on ethical issues | | | | |
| | Q7: Student executes applied research and contributes to - Performing qualitative research | o its design | | | |
| Learning activities and | Method | Study load (hours) | | | |
| teaching methods | (Guest) lectures | 30 | | | |
| | Assignment tutorials | 10 | | | |
| | Other tutorials | 10 | | | |

| | International excursion + preparation tutorials Excursion to Brussels Self-study (including assignment) | | | | | | 80 10 | |
|--|---|--------------------------|---------------------------|--|--------------------------------------|--------------------------------|-------------------|--|
| | Self-study (Total | including | assignmen | t) | | | 84 224 | |
| Test matrix | rotat | | | | | | 221 | |
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit | |
| Written test | WRT | 1 | 5.5 | 0-10 | IND | Wk 9 | Next term | |
| Assignment | ASSI | 1 | 4.0 | 0-10 | GRP | Wk8 | Next year or tbd* | |
| International Excursion | ASSI | 0 | PASS | Pass/fail | GRP | Wk 10 | Next year or tbd* | |
| *The retake options depend on the upon the exact substitute assignment | | | | | | | | |
| Study materials | | | | | | | | |
| Title | Author | | Status | | Type | Code/comments | | |
| Study Manual | Helvoirt, B. | van | Required | | Digitally available | Updated each year | | |
| Food Systems Governance reader | Helvoirt, B. | van | Required | | Digitally available | Updated every year | | |
| Changing the Game | Simons, La Nijhof, A. | ind | Required | | Book | Already in possession | | |
| Doing research - the hows and whys of applied research | Nel Verhoed edition) | ven (4th | Required | | Book | Already in possession | | |
| Cultures and Organisations – software of the mind | Hofstede, F & Minkov | lofstede | Required | | Book | Already i | n possession | |
| Estimated cost | | | | | | | | |
| Cost item | Approxima | te cost | | | Comments | 5 | | |
| Literature/books | (€ 200) | | | | If not in po | ssession ye | et | |
| Excursion Brussels | €25 | | | | Study visit | to EU insti | tutes | |
| International excursion | Depending | on countr | y of destin | ation | Students w preparatio programm | n of excurs | | |
| Remarks | Governance | e and Inte Food Syste | rnational E ems Goverr | module is a r xcursion mod nance modul | dules (forme | r IFA curric | | |

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|---|--|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2447 |
| Course unit title | Business Development 2 |
| Location | Den Bosch |
| Coordinator | Mark Copsey (CoM) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 6 |
| Moment of delivery | Year 2 Term 4 |
| Prerequisites | None |
| Application deadline | 1-5-2022 |
| Content | This module covers: Entrepreneurship and (sustainable) business development options and challenges in emerging markets. Construct a full-elaborated start up business proposition designed to achieve impact in an emerging market. |
| Achieved Learning Outcomes prior to this module | To participate successfully, students should be able to: Q3 Contributing to New Business Models Recognise and understand logistical steps and principles in international agri-food supply chains; Determine the financial and sustainability implications of inventory and warehousing decisions; Recognise and apply the fundamentals of Marketing; Identify, explain and demonstrate financial management and costing principles, (financial and cost) structures, investments and annual reports: Explain financial management principles in given examples; Carry out financial structure assessment of international agri-food businesses; Use cost structure and apply costing principles; Explain used financials in annual reports and draw conclusions; Explain how True Cost Accounting as tool can be effective to address the pervasive imbalance in our agri-food system; Recognise and understand different organisation structures, management, and leadership styles of companies (SMEs); Recognise and understand the internal/external factors that determine internal organisation/management; Q7 Conducting Applied Research Perform calculations (percentage, equations, exponential functions) on a given assignment and/or data set in Excel; Select, analyse, and combine information to formulate main/sub-questions; Select, analyse and combine information from implicitly given sources with extra information they have found themselves; Select sources (secondary data) that are relevant and reliable; Judge external information leading to the formation of an opinion. |
| Learning outcomes | The module contributes to the following program qualifications: |

- Q3. New Business Models
- Q6. Project management
- Q7. Doing research

After successful completion, the student is able to:

Q3: Analyse & evaluate (sustainable) business opportunities based on a created (Sustainable) Business Venture:

- Financial management: distil the financial implications based on your assumptions, design a clear revenue model, and deliver a 3-year financial plan:
- Management & Entrepreneurship: evaluate and demonstrate the organisational feasibility based on (theories of) management & entrepreneurship in a self-elaborated business venture;
- Logistics: evaluate and demonstrate logistical steps and principles in international agri-food supply chains;
- Business environment: evaluate and demonstrate inclusive business development approaches in a self-elaborated business venture in the context of an emerging market.

Q6: Complete tasks and prioritize within a group project in a multi-disciplinary company context

- Apply methodologies, techniques and tools of project management.

Q7 Student executes applied research and contributes to its design

- Apply various research methodologies for collection of (primary) data of acceptable quality;
- Statistical analysis & calculations on a (given) data set from a market survey;
- Apply interview techniques, case studies;
- Analyse and judge collected data for discussion and formulating conclusions and advice.

| Learning | activiti | ies an | d teac | hing |
|----------|----------|--------|--------|------|
| methods | | | | |

| Method | Study load (hours) |
|--|--------------------|
| Thematic lectures | 25 |
| Working lectures (interactive) | 14 |
| Guest lectures | 6 |
| Company visit | 5 |
| Group project: business plan (concept) | 78 |
| Private study / exam | 40 |
| Total | 168 |

Test matrix

| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination | Resit |
|---|------------------------|------------------|--------------|--------------|---------------------------|---------------------|-----------|
| Written test Business Development 1 + 2 | WRT | 2 | 5.5 | 1-10 | IND | Wk 9 | Next term |
| Project Business Development 2 | PROJ | 2 | 4.0 | 1-10 | GRP | Wk 10 | Next term |

Study materials

The study material builds on IF2445 Business Development 1 and so these resources remain relevant. Those listed below are additional resources for this course.

| Title | Author | Status | Type | Code/comments |
|---------------------------------------|---------------------------------------|----------------|------------|--|
| Course Manual | M. Copsey | Required | Digitally | Updated each year |
| | | | available | |
| Social Innovation in Africa | N. Okonkwo Nwuneli | Required | Book | ISBN 9781138182844 |
| Business Experimentation | R. James; J. Goddard | Recommended | Book | ISBN 9781398601673 |
| Testing Business Ideas | D. Bland | Recommended | Book | ISBN 9781119551447 |
| Business Model Generation | A. Osterwalder | Recommended | Tools | Available on |
| | | | | www.strategyzer.com |
| Entrepreneurial Marketing | E. Nijssen | Recommended | Book | ISBN 9780367445324 |
| Estimated cost | | | | |
| Cost item | Approximate cost in € | | Comments | |
| Literature/books | €80 for required book | < | | |
| | | | | |
| | €80 for additional bo | oks (if not in | | |
| | €80 for additional bo possession yet) | oks (if not in | | |
| Group excursion (by bus) | | oks (if not in | | |
| Group excursion (by bus) Other travel | possession yet) | oks (if not in | Small excu | rsion / group work, by |
| | possession yet) €15 | oks (if not in | | rsion / group work, by ortation. Based on |
| | possession yet) €15 | oks (if not in | own transp | |
| | possession yet) €15 | oks (if not in | own transp | ortation. Based on |

| Course information | | Year of study: 2022-2023 Version: 03-2022 | | | |
|---|---|--|--|--|--|
| Study Programme | International Food and Agribusiness | | | | |
| Course unit code | IF2448 | | | | |
| Course unit title | Extension on Sustainability (ExtenS) | | | | |
| Location | Den Bosch | | | | |
| Coordinator | Jeannette van de Steeg | | | | |
| Type of course unit | | | | | |
| Language of instruction | English | | | | |
| Credits (ECTS) | 8 | | | | |
| Moment of delivery | Year 2 Term 4 | | | | |
| Prerequisites | None | | | | |
| Application deadline | 1-5-2022 | | | | |
| | and entrepreneurs on sustainability issues wefficient use of resources, food and/or reside confronted with a real-life situation in which groups (approximately 3 students), students company in the agri-food business. The constitution Students will interview the owner or manage. They will quantify the sustainability of the cadvice to the company regarding the option supervised by a tutor, both knowledge and the lectures are on Sustainable Engineering footprints are discussed; CO ₂ , N, P, water. In consultative selling are covered. | ues. In this module, students are in they can develop these skills. In small is take on the role of a consultant for a impany is facing a sustainability issue. For and analyse the issue thoroughly, company, and use this as the basis for the ins for improvement. In this project, skills are applied. | | | |
| Achieved Learning Outcomes prior to this module | Q2: Student analyses (international) develos sustainable agrofood production and consustainable agrofood production and consustainable agrofood production solved to valoriz systems Student can evaluate options to valoriz systems Student can illustrate the impact of valenvironment and health Student can compute the amount of st production system Q4. Creating Change Student can apply basic advisory skills advisory process commissioned Q5. Value-based leadership Give and receive feedback in projects, indevelopment (in relation to others) Q6. Project management Write a structured and complete project Compose a project plan (including plant) Q7 (Conducting Applied Research) Describe relevant research methodology Write a theoretical background using usources Formulate and test a hypothesis Choose proper methods to answer the of the methods, | umption ze waste streams of food production dorizing options on resources, treams and resources in food the throughout a brief and controlled in order to reflect on own personal enting/ budgeting/ risk assessment) gies (experiments) up to date and trustworthy information | | | |

| | - Collect data in a correct and organised manner | | | | | | | |
|----------------------------------|--|--------------------------------|-------------------------|---------------|---------------------------|---------------------|-----------|--|
| | Discuss results and methodsFormulate conclusions and recommendations | | | | | | | |
| I complete control of | | | | | | | | |
| Learning outcomes | The module contributes to the following program qualifications: | | | | | | | |
| | Sustainable production and consumption Greating Change | | | | | | | |
| | 4. Creating Change | | | | | | | |
| | 5. Value-based leadership | | | | | | | |
| | - | 6. Project management | | | | | | |
| | 7. Conductii | 7. Conducting Applied Research | | | | | | |
| | After successful completion, the student is able to: | | | | | | | |
| | Q2: | | | | | | | |
| | - Quantity Q4: | the enviror | ımental ım _l | oact of sir | nple agri-food sy | stems | | |
| | _ | sic advisory | / skills, thro | ughout a | brief and control | led advisor | y process | |
| | commiss | ioned by a | n external c | lient | | | | |
| | Q5: | | | | | | | |
| | | | | - | in order to reflec | t on own p | ersonal | |
| | | nent (in re | lation to of | iners) | | | | |
| | Q6: | a project | alan for a ro | al life acc | ignment (includi | na | | |
| | | | | | ngilinent (includi | i ig | | |
| | planning/budgeting/risk assessment) | | | | | | | |
| | Q7: - Conduct qualitative research by analysing interviews (coding), focusing on | | | | | | | |
| | - Conduct qualitative research by analysing interviews (coding), focusing on providing an advise | | | | | | | |
| Learning activities and teaching | Method Study load (hours) | | | | | | | |
| methods | Lectures Su | stainable E | ngineering | | | | 14 | |
| | | | | Sustainab | le Engineering | | 28 | |
| | Workshops | | | | | | 14 | |
| | Private stud | y and oral | on Commu | nication | | | 28 | |
| | Group Proje | ct Foot-pri | nting | | | 140 | | |
| | Total | | | | | 224 | | |
| Test matrix | | | | | | | | |
| | | | | | | | | |
| | | tor | a. | | | | | |
| | lon | Weighting factor | Bottom grade | ale | <u>></u> ऱ् | uo | | |
| | of inati | ıting | m g | 3 sc. | dual | of inati | | |
| Part | Type of examination | eigh | otto | Rating scale | Individual/ Group work | Time of examination | Resit | |
| ď. | | \$ | | | | | | |
| Written test | WRT | 1 | 5.5 | 0-10 | IND | Wk 9 | Next term | |
| Oral exam Communication | ORAL | 1 | 5.5 | 1-10 | IND | Wk 10 | Wk 11 | |
| Project | ASSI | 1 | 4.0 | pass/ fail | GRP | Wk 10 | Next term | |
| Study materials | | | | | | | | |
| Study materials | | | | | | | | |
| Title | Author | | Status | | Туре | Code/cor | nments | |
| | Author Various | | Status Required | | Type Digitally | Code/cor | | |

| Reader Sustainable Engineering | M. van Eerten | Required | Digitally available | | |
|--|-----------------------------|----------|--|-----------------------|--|
| Doing research - the hows and whys of applied research | Nel Verhoeven (4th edition) | Required | Book | Already in possession | |
| Project Management, A practical Approach | Grit, R. | Required | Book | Already in possession | |
| Strengths Finder 2.0 | Rath, T. | Required | Book + code | Already in possession | |
| Lecture hand-outs, additional literature, articles | Various | | Digitally available | Indicated per year | |
| Estimated cost | | | | | |
| Cost item | Approximate cost | | Comments | | |
| Literature/books | (€90) | | If not in possession yet | | |
| Other travel | About €75 | | Cost for own transportation is depending on where client is located. | | |
| Remarks | - | | | | |

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|---|---|
| Study Programme | International Food and Agribusiness |
| Course unit code | IF2450 |
| Course unit title | Personal Leadership 2 |
| Location | Den Bosch |
| Coordinator | Milouska Lensing-Molenaars (MMi) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 4 |
| Moment of delivery | Year 2 Term 1-4 |
| Prerequisites | IF1420 Personal Leadership 1 |
| Application deadline | 1-5-2022 |
| Content | The main goal of the Personal Leadership course is to teach the student how to instigate his or her personal development based on self-knowledge, personal motivation, learning goals, self-reflection, feedback & feed forward. The course offers opportunities to reflect on personality, behaviour and attitude. It provides students with tools for change and improvement and offers them guidelines for reaching personal objectives and exploring their talents, values and ambitions. Moreover, the Personal Leadership course teaches students how to critically self-reflect in relation to others, leading to personal leadership within relevant social, international and ethical dimensions. Personal Leadership in the second year of the IFA study program builds on the Personal Leadership course in year 1 (IF1420), in which the students mainly focused on their own personal talents and individual performance. This course not only helps students to further explore themselves but also to reflect upon their own personality, behaviour and attitude in relation to others. Next to that, they start making plans for their future (careers) and taking more and more responsibility for their personal growth and own study planning. They begin with short and medium-term planning for their Internship and Electives in year 3, as well as their Specialisation and Graduation project in year 4. Moreover, they are challenged to place these plans in a long-term career perspective (job orientation). |
| Achieved Learning Outcomes prior to this module | To participate successfully, students should be able to: Q 5. Value-based leadership - Understand the purpose of personal development (plan) & self-reflection - Identify personal talents - Connect with co-students &staff effectively (teambuilding) - Formulate learning aims, based on personal talents, as part of personal development plan - Understand the use of turning personal talents into strengths - Write a personal reflection report (incl. ethical dilemma), based on the personal development plan |
| Learning outcomes | Q 5. Value-based leadership (level 2) Student is able to give and receive feedback, evaluate personal talents and competences, and reflect on ethical issues, leading to personal leadership |

After successful completion, the students are able to: - Draw up a personal development year plan (PDP), based on previous selfreflection, including personal and/or professional learning aims and concrete actions to reach their goals - Explore and present an overview of their future study and career options - Create their own 'personal brand' and pitch themselves by means of a letter of application & CV, or via job interviews, social media and networking activities - (Use all input to) self-reflect in relation to others, and to critically evaluate themselves within relevant social, international and ethical dimensions. Method Study load (hours) Learning activities and teaching methods Lectures 16 Practicals 8 8 Workshops Coach (group) sessions 15 Individual coaching 5 Self-study: PDP, assignments, selfreflection report 40 Selfmanagement (SMHs) 20 examination Rating scale Time of Type of Resit pass/ Self-reflection report (& 20 **PASS** IND Wk 10 Tbd** SMHs), incl. Year 3/4 planning fail "The retake options depend on the reason(s) for failing the assignment(s). The lecturer or coach therefore decides upon the exact substitute assignment or re-sit possibility, and does this in consultation with the module coordinator or other coaches Title Code/comments Status **Author** Type Course Manual Personal Lensing-Molenaars, Required Digitally Updated each year Leadership Y2 available M.F. StrengthsFinder 2.0, Discover Rath, T. Book + code Already in possession Required Your CliftonStrengths Cost item Approximate cost in € Comments Literature/books na

Year 4

| Course information | Year of study: 2022-2023 Version: 03-2022 |
|-------------------------|---|
| Study Programme | International Food and Agribusiness |
| Course unit code | MN4411 |
| Course unit title | Future Food Systems |
| Location | Den Bosch |
| Coordinator | Erwin Bouwmans (Bouw) |
| Type of course unit | ☑ Mandatory ☐ Not mandatory |
| Language of instruction | English |
| Credits (ECTS) | 30 |
| Moment of delivery | Year 4 Term 1 + 2 |
| Prerequisites | HAS students and students of other Dutch institutions: Propaedeutic diploma, plus 52+ ECTS of year 2 and 30+ ECTS of year 3, of which at least one finished internship in year 3. Credits are obtained in the IFA program or a related bachelors program in Agriculture, Agribusiness, Food production or Environmental studies. International admissions: Three years of higher education on bachelor's level of which at least 75% has been obtained and in which at least one major practical assignment or traineeship has been completed. Credits are obtained in a program related to Agriculture, Agribusiness, Food production or Environmental studies. Admissions are subjected to approval by the module team. |
| Application deadline | 1-5-2022 |
| Content | The current status of the agriculture sector is not so much the result of misguided intention, but more of system failure. Our supply chains are long and not always transparent. Our global markets are designed to go for the lowest price, irrespective of the longer-term consequences for the stakeholders involved. Besides creating mainstream market demand as a driver for change, support services need to be structurally strengthened and rebuilt, national government policies need to be reformed and financial institutions need to learn to look at agriculture as a business opportunity and invest in its modernization. Transformation of the current system and, in the meantime, Innovation in the current chains and businesses are necessary and taking place. |
| | With Global Food Systems in IFA year 1 the curriculum started four years ago with investigating the international food system. Now, in IFA year 4 the MN4411 module inspires students to reach for the next level (3) on all IFA qualifications via deeper investigating production chains and come up with ideas for transition and improvement; ideas that enhance both sustainability and business. The module sheds light on the innovation process and on the transformation into a new system. Students are also stimulated to enlarge their professional network. The module focuses on 'Value Based Change Management'; how to improve the world into a better place, starting with your own inner values leading to a value based change of the agro-food system. This Year 4 Specialisation is divided into four main topics: 1. Transition of a sector or country in a wider system with other stakeholders (government, knowledge institutions, civil society) using Multi Level Perspective and building Future Scenarios. |

3. Circular Calculation at process and company (link) level within the current situation, using True Cost Accounting and Multi Criteria Analysis.

4. Domain: crop, animal, or food production.

Learning outcomes

The module contributes to all program qualifications, partly at the final level:

- 1. Improving sustainability of the Global Agro-food system
- 2. Applying bio-based & circular economy principles in agro-food systems (final)
- 3. Contributing to sustainable innovation in a sector (animal production, crop production or food processing/nutrition) (final)
- 4. Contributing to international business development
- 5. Providing advice
- 6. Networking & influencing
- 7. (Self)-reflection and judgement
- 8. Project management
- 9. Doing research (final)

After successful completion, the student is able to:

Q1

- analyse business /sectors in the context of a global food system (past)
- to analyse future trends and to develop future scenarios
- perceive a supply chain as a system, and oversee the players in it $\ensuremath{\mathbb{Q}} 2$
- interrelate processes and business practices regarding agro-food systems
- contribute to circular/bio-based agro-food systems, using multi criteria analysis and/or impact analysis

Q3

- complete analysis of production systems to identify long term trends and opportunities within the (animal, crop or food) sector
- apply insights in current developments in his/her domain to identify opportunities in his/her domain production systems that contribute to more sustainable systems

Q4

- come up with new business ideas for an existing company to improve sustainability
- compare and select different future business options using true cost accounting
- identify promising niches and new business models from future scenario studies

05

- provide advice on options for the implementation of a sustainability project within a production field

Q6

- contribute to transitions in a niche, business or project (internal)
- contribute to transitions in a network with stakeholders (external)

07

- identify and understand personal and interpersonal strengths
- reflect on personal Value Based Leadership in the light of the ever-changing agro-food complex
- reflect on the development of one's own talents and those of fellows in a group

08

- select and justify project management method
- write a complete project plan in a complex situation in relation with the client

| | execute a project according to planning and budget (resources and money) effectively manage projects showing effective project management skills recognize and evaluate his/her own role in a group place own role within the larger context clearly communicate within multi-stakeholder environment and manage expectations identify connections within a sector and determine the common objectives for projects and collaboration Q9 design and execute a professional research which answers research questions on a topic related to sustainable innovation in his/her domain (crop, animal or food) | | | | | | |
|--|---|------------------|--------------|---------------|---------------------------|-----------------------------------|--------|
| Learning activities and | Method | | | | | Study load | (hrs) |
| teaching methods | Thematic | lectures and | excursion | s on Transiti | ion and | 56 | |
| _ | Scenarios | | | | | | |
| | Lectures P | roject mana | gement | | | 28 | 3 |
| | | o; College To | | shops, Food | Experience | 16 | 8 |
| | Circular Ca | alculation; le | ctures, wo | rkshops | | 56 | ĵ. |
| | | ectures doing | | | Research, | 25 | 2 |
| | Domain le | | | | | | |
| | | ject in which | students | apply conte | nt to a real- | 28 | 0 |
| | life case | | | | | | |
| | Total | | | | | 84 | 0 |
| Test matrix | | | | | | | |
| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examinatior (duration) | Resit |
| Reflection report (Personal | ASSI | 3 | 4.0 | 1-10 | IND | Wk 16 | Term 3 |
| leadership) | | | | | | | |
| Individual research | ASSI | 5 | 5.5 | 1-10 | IND | Wk 18 | Term 3 |
| Domain test | ASSI | 2 | 4.0 | 1-10 | IND | Wk 15 | Term 3 |
| Project report & presentation | PROJ | 10 | 5.5 | 1-10 | GRP | Wk 19 | tbd |
| Attendance & excursions | ASSI | 0 | pass | pass/fail | IND | Wk 20 | tbd |
| Study materials | | | | | | | |
| Title | Author | | | Status | Туре | Code/com | |
| Study Manual, 2021 | various | | | equired | Digitally available | Updated each year | |
| How to Do Research | Grit, R. and | d Julsing, M. | Re | Required | | Already in possession (yr 2) | |
| Project Management | Grit, R. | | Re | equired | Book | Already in possession (yr 1) | |
| Strengths Finder 2.0 | Rath, T. | | Re | equired | Book + code | Already in possession | |
| Changing the Food Game | Simons, L. | | Re | equired | Book | Already in possession | |
| The 7 Habits of Highly Effective People | Covey (201 | 13, or later) | Re | equired | Book | ISBN 978 147 112 9391 | |
| Lecture hand-outs, add. literature and articles | various | | Re | equired | Digitally available | Indicated per year | |

| Estimated cost | | | | | | |
|--------------------------|-----------------------------------|--|--|--|--|--|
| Cost item | Approximate cost in € | Comments | | | | |
| Literature/books | 25 | Most books are already in | | | | |
| | | possession | | | | |
| Group Excursion (by bus) | 50 | | | | | |
| Other travel | 100 | Travel for additional excursions / | | | | |
| | | group work for project, on public | | | | |
| | | transport base | | | | |
| Remarks | If and when Corona rules are in p | If and when Corona rules are in place, the module will be adjusted | | | | |
| | accordingly. | | | | | |

| Course information system | | Year of study: 2022-2023 Version: 2022 | | | | | | |
|----------------------------------|--|---|--|--|--|--|--|--|
| Study Programme | International Food and Agribusiness | | | | | | | |
| Course unit code | IF4403 | | | | | | | |
| Course unit title | Professional Assessment | | | | | | | |
| Location | Den Bosch | | | | | | | |
| Coordinator | Milouska Molenaars (MMi) | | | | | | | |
| Type of course unit | | ` ' | | | | | | |
| Language of instruction | English | | | | | | | |
| Credits (ECTS) | 2 | | | | | | | |
| Moment of delivery | Year 4 Term 1+2 or Term 3+ | -4 | | | | | | |
| Prerequisites | IF1420 Personal Leadership Y1, IF2450 Personal | onal Leadership IF2. Year 3 reflections | | | | | | |
| · | and/or MN4411 FFS-Personal Leadership rep | - | | | | | | |
| Application deadline | 1-9-2021 | | | | | | | |
| Content | Students spend approximately 15 weeks wor | king on a portfolio in which they reflect | | | | | | |
| | on their professional and personal developm | | | | | | | |
| | 'proof' of their development over the past fev | • | | | | | | |
| | to support their reflections. Coaching sessio | | | | | | | |
| | others (international) recruiters and IFA alum | - | | | | | | |
| | (| ya.ao a.o ao p. 00000. | | | | | | |
| | At the end of term 2 or 4, a professional asse | essment interview will take place during | | | | | | |
| | At the end of term 2 or 4, a professional assessment interview will take place during which the student will present and discuss the content of this portfolio. This interview | | | | | | | |
| | resembles a professional job interview and is conducted by an IFA examiner and an | | | | | | | |
| | external person from the IFA professional field. | | | | | | | |
| Learning outcomes | The module contributes to the following program qualifications: | | | | | | | |
| | 5. Value Based Leadership | y 4 | | | | | | |
| | | | | | | | | |
| | After successful completion, the student is al | ble to: | | | | | | |
| | reflect on own skills and competences | s and personal development in relation to | | | | | | |
| | the IFA qualifications and the study pr | ogram as a whole. | | | | | | |
| | | | | | | | | |
| | o demonstrate the ability to convert fee | dback (both requested and not) into In addition, the student demonstrates the | | | | | | |
| | | ies to allow the project to function in the | | | | | | |
| | best possible way. | nee to unow the project to runotion in the | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Learning activities and teaching | Method | Study load (hours) | | | | | | |
| methods | Introduction lecture and Feedback Leadershi | • | | | | | | |
| | Guest lectures International Recruitment (2) 4 | | | | | | | |
| | Portfolio development & preparation assessment 35 | | | | | | | |
| | 2 interviews with professionals from the indu | ustry 10 | | | | | | |
| | Criterion focused interview | 4 | | | | | | |
| | Total | 56 | | | | | | |
| Test matrix | | | | | | | | |

| Part | Type of examination | Weighting factor | Bottom grade | Rating scale | Individual/ Group work | Time of examination (duration) | Resit | |
|---|-----------------------|------------------|--------------|---------------|---------------------------|-----------------------------------|-------|--|
| Criterion focused interview (incl. portfolio) | ORAL | 0 | pass | pass/fai I | IND | T2 or T4 (1 hr) | tbd | |
| Study materials | | | | | | | | |
| Title | Author | | Status | | Туре | Code/comme | nt | |
| Course Manual Professional Assessment | Lensing, M.I | F. | Required | d | Digitally available | Updated each | year | |
| Estimated cost | | | | | | | | |
| Cost item | Approximate cost in € | | | Comments | | | | |
| n.a. | | | | | | | | |
| Remarks | | | | | | | | |