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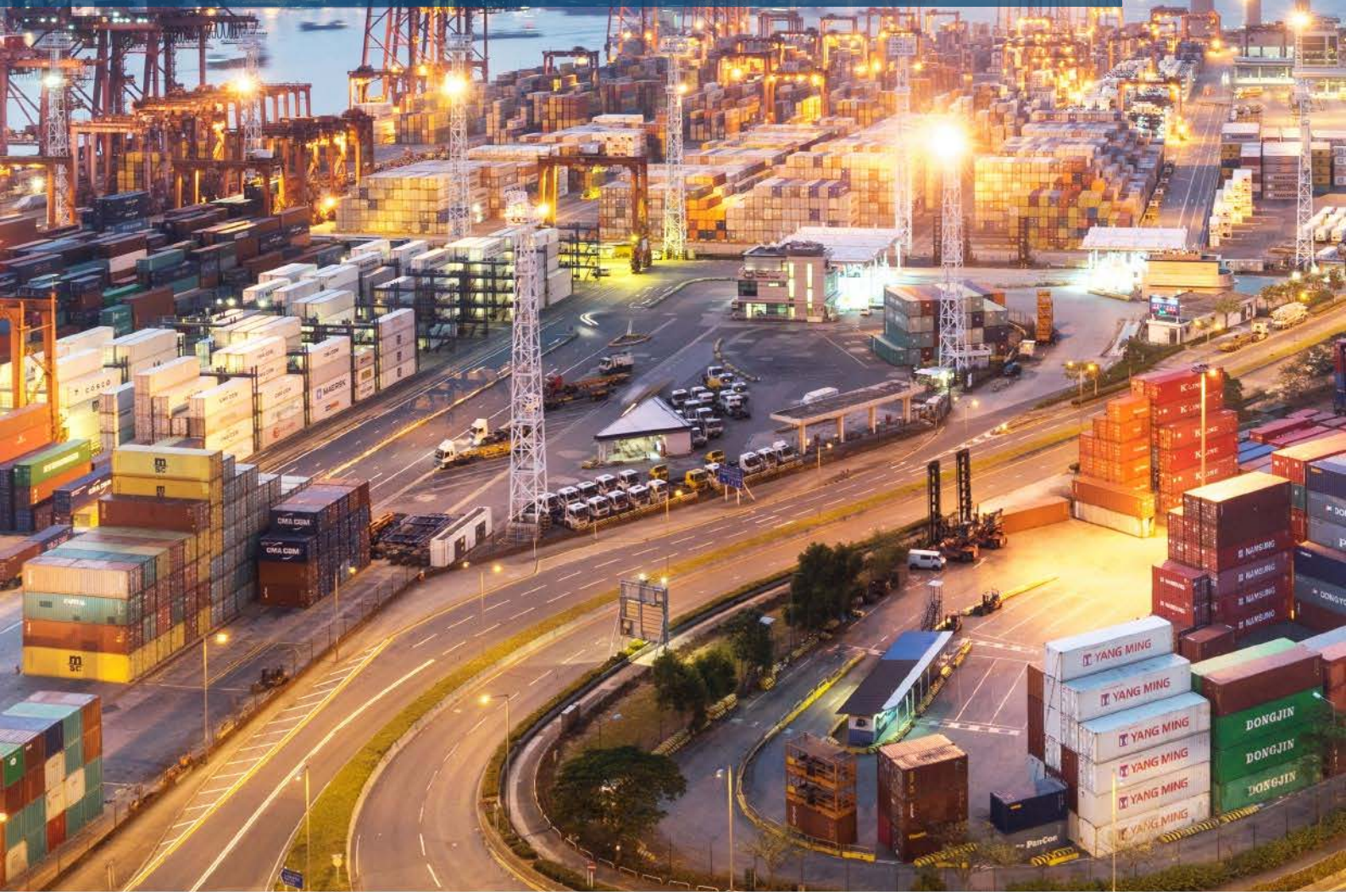
Logistics

Course catalogue year 2, 3, 4
Logistics Management

Year 2021-2022



DISCOVER YOUR WORLD

Breda University
OF APPLIED SCIENCES

Foreword

This study component manual shows you the content of your degree programme. The following elements can be found in it:

- The annual calendar containing lecture weeks, exam weeks, holidays, etc.;
- An overview of all study units with their study load given per year of study;
- Learning objectives and course descriptions per study unit;
- An overview of competencies per year of study, showing you how the competency framework has been developed across all study units.

Teaching activities

During your studies the following teaching activities will be carried out:

- In **workshops** / **projects**, you will work on a big practical assignment (in a project group with fellow students). In doing so, you will acquire knowledge and learn to apply knowledge, and get working as a would-be professional. The lecturer will coach the groups of students as a project supervisor;
- In **modules** and **training courses**, you will acquire profession-relevant knowledge and skills by attending lectures and actively working on assignments. Lecturers will teach and guide you as an expert;
- In the **mentorship programme** (year 2) you will participate in class activities, such as placement workshops. During the mentorship programme, you will be given personal coaching by your mentor, who will also discuss your study progress;
- During your **work placement** and **graduation project**, you will carry out a research and/or assignment commissioned by a company or institution. You will carry it out independently, after which you will have to present the results (and defend them). You will be supervised by a BUas supervising lecturer and a company supervisor during this process.

Year 2

Year 2 marks the start of the main phase. This study year consists of 3 trimesters lasting twelve weeks. Every trimester consists of ten lecture weeks and two exam weeks. This year will offer you deepening courses and further prepare you for the third and fourth years, in which learning in practice will be an important part. Just like in the first year, every trimester will offer a project/workshop and several modules and training courses.

Years 3 and 4

The third year of study consists of three trimesters. As a third-year student, you will alternate learning in practice with learning at the academy. During your learning at the academy you will attend deepening courses and work on practical assignments. During the other two trimesters, you will actually start working in practice, and carry out a placement assignment. You will find and apply for the placement position and placement assignment yourself. Of course, you will be supported by the placement coordinator if necessary. Further details can be found in the Placement Handbook. The fourth year of study consists of two semesters. In the first semester, you will attend the minor of your choice. In the second semester, you will do a graduation project commissioned by a company or organisation. You should also find and apply for this project yourself. Further details can be found in the Graduation Handbook.

TER

All provisions can be found in the teaching and examination regulations (TER) 2021-2022. For the academic year 2021-2022, a transitional arrangement which has been approved by the board of examiners will be put in place. This transitional arrangement will be published after the board of examiners has determined it. This arrangement will apply to students who started a project, course, etc. last year, and have not finalised it yet.

We wish you a pleasant and successful academic year.

On behalf of the management team of Built Environment and Logistics,

Debbie Dermout – Academy Director of Built Environment and Logistics

This study component manual is part of the teaching and examination regulations of Built Environment and Logistics.

Yearplanning LGEN + LGMT NL+EN 2021-2022

Week	Monday	Friday	Year 1 class: BE and LOG		Year 2 class: BE and LOG		Year 3 class:		Year 4 regular class:		Year 4 not regular class:
33	16-08-2021	20-08-2021	Summer holiday		Summer holiday		Summer holiday		Summer holiday		Summer holiday
34	23-08-2021	27-08-2021	Start Employees		Start Employees		Summer holiday		Presentations di.24/wo 25/do.26 augustus		Summer holiday
35	30-08-2021	03-09-2021	Introduction week	Clean-up week Yr 20/21	Summer holiday		Internship 1		Introduction week		Graduation 1 - January group
36	06-09-2021	10-09-2021	Academic week 1	Clean-up week Yr 20/21	Academic week 1		Internship 2		Minor 1		Graduation 2 - January group
37	13-09-2020	17-09-2020	Academic week 2		Academic week 2		Internship 3		Minor 2		Graduation 3 - January group
38	20-09-2021	24-09-2021	Academic week 3		Academic week 3		Internship 4		Minor 3		Graduation 4 - January group
39	27-09-2021	01-10-2021	Academic week 4		Academic week 4		Internship 5		Minor 4		Graduation 5 - January group
40	04-10-2021	08-10-2021	Academic week 5		Academic week 5		Internship 6		Minor 5		Graduation 6 - January group
41	11-10-2021	15-10-2021	Academic week 6		Academic week 6		Internship 7		Minor 6		Graduation 7 - January group
42	18-10-2021	22-10-2021	Academic week 7		Academic week 7		Internship 8		Minor 7		Graduation 8 - January group
43	25-10-2021	29-10-2021	Autumn Holidays		Autumn Holidays		Internship 9		Autumn Holidays		Graduation 9 - January group
44	01-11-2021	05-11-2021	Academic week 8	Clean-up week Yr 20/21	Academic week 8		Internship 10		Minor 8		Graduation 10 - January group
45	08-11-2021	12-11-2021	Academic week 9		Academic week 9		Internship 11		Minor 9		Graduation 11 - January group
46	15-11-2021	19-11-2021	Academic week 10		Academic week 10		Internship 12		Minor 10		Graduation 12 - January group
47	22-11-2021	26-11-2021	Academic week 11		Academic week 11 / TEST WEEK		Internship 13		Minor 11		Graduation 13 - January group
48	29-11-2021	03-12-2021	Academic week 12	Register resits	Academic week 12 / TEST WEEK		Internship 14		Minor 12		Graduation 14 - January group
49	06-12-2021	10-12-2021	Academic week 13	Register resits	Academic week 1		Presentations		Minor 13		Graduation 15 - January group
50	13-12-2021	17-12-2021	Academic week 14		Academic week 2		Academic week 1		Minor 14	Register resits	Graduation 16 - January group
51	20-12-2021	24-12-2021	Academic week 15	Resits Sem 1 /Y1	Academic week 3		Academic week 2		Minor 15	Register resits	Graduation 17 - January group
52	27-12-2021	31-12-2021	Christmas Holidays		Christmas Holidays		Christmas Holidays		Christmas Holidays		Christmas Holidays
1	03-01-2022	07-01-2022	Christmas Holidays		Christmas Holidays		Christmas Holidays		Christmas Holidays		Christmas Holidays
2	10-01-2022	14-01-2022	Academic week 16		Academic week 4	Register resits	Academic week 3		Minor 16		Preperation week
3	17-01-2022	21-01-2022	Academic week 17		Academic week 5	Register resits	Academic week 4		Minor 17		Presentation January
4	24-01-2022	28-01-2022	Academic week 18		Academic week 6		Academic week 5		Minor 18		
5	31-01-2022	04-02-2022	Academic week 1		Academic week 7		Academic week 6		RESIT WEEK		
6	07-02-2022	11-02-2022	Academic week 2		Academic week 8	Resits trim 1 /Yr 2	Academic week 7		Graduation 1 - June group		
7	14-02-2022	18-02-2022	Academic week 3	Register resits	Academic week 9	Resits trim 1 /Yr 2	Academic week 8		Graduation 2 - June group		
8	21-02-2022	25-02-2022	Academic week 4	Register resits	Academic week 10		Academic week 9		Graduation 3 - June group		
9	28-02-2022	04-03-2022	Carnaval break		Carnaval break		Carnaval break		Graduation 4 - June group		
10	07-03-2022	11-03-2022	Academic week 5		Academic week 11 / TEST WEEK		Academic week 10		Graduation 5 - June group		
11	14-03-2022	18-03-2022	Academic week 6	Resits Sem 1 /Y1	Academic week 11 / TEST WEEK		Academic week 11 / TEST WEEK		Graduation 6 - June group		
12	21-03-2022	25-03-2022	Academic week 7		Academic week 1		Academic week 12 / TEST WEEK		Graduation 7 - June group		
13	28-03-2022	01-04-2022	Academic week 8		Academic week 2		Internship 1		Graduation 8 - June group		
14	04-04-2022	08-04-2022	Academic week 9		Academic week 3		Internship 2		Graduation 9 - June group		
15	11-04-2022	15-04-2022	Academic week 10		Academic week 4	Register resits	Internship 3	Register resits	Graduation 10 - June group		
16	18-04-2022	22-04-2022	Academic week 11		Academic week 5	Register resits	Internship 4	Register resits	Graduation 11 - June group		
17	25-04-2022	29-04-2022	schedule-free week		Fieldtrip		Internship 5		Graduation 12 - June group		
18	02-05-2022	06-05-2022	May holiday		May holiday		Internship 6		Graduation 13 - June group		
19	09-05-2022	13-05-2022	Academic week 12		Academic week 6	Resits trim 2 /Yr 2	Internship 7	Resits trim 2 /Yr 2	Graduation 14 - June group		
20	16-05-2022	20-05-2022	Academic week 13		Academic week 7	Resits trim 2 /Yr 2	Internship 8	Resits trim 2 /Yr 2	Graduation 15 - June group		
21	23-05-2022	27-05-2022	Academic week 14		Academic week 8	Resits trim 2 /Yr 2	Internship 9	Resits trim 2 /Yr 2	Graduation 16 - June group		
22	30-05-2022	03-06-2022	Academic week 15		Academic week 9		Internship 10		Graduation 17 - June group		
23	06-06-2022	10-06-2022	Academic week 16		Academic week 10		Internship 11		Preperation week		
24	13-06-2022	17-06-2022	Academic week 17		Academic week 11 / TEST WEEK		Internship 12		Assessment		
25	20-06-2022	24-06-2022	Academic week 18	Register resits	Academic week 12 / TEST WEEK	Register resits	Internship 13		Assessment		
26	27-06-2022	01-07-2022	Study week	Register resits	Study week	Register resits	Internship 14		Assessment		
27	04-07-2022	08-07-2022	RESIT WEEK Sem 2 /Y1		RESIT WEEK trim 3/Yr 2		Presentations		Finalization week		
28	11-07-2022	15-07-2022	Finalization week		RESIT WEEK trim 3/Yr 2		Presentations		Graduation ceremony		
29	18-07-2022	22-07-2022	Summer holiday		Summer holiday		Summer holiday		Summer holiday		
30	25-07-2022	29-07-2022	Summer holiday		Summer holiday		Summer holiday		Summer holiday		
31	01-08-2022	05-08-2022	Summer holiday		Summer holiday		Summer holiday		Summer holiday		
32	08-08-2022	12-08-2022	Summer holiday		Summer holiday		Summer holiday		Summer holiday		
33	15-08-2022	19-07-2022	Summer holiday		Summer holiday		Summer holiday		Summer holiday		
34	22-08-2022	26-08-2022	Start Employees		Start Employees		Start Employees				
35	29-08-2022	02-09-2022	Introduction week		Intro college		Internship 1				
36	05-09-2022	09-09-2022	Academic week 1		Academic week 1		Internship 2				

Official days off in 2021-2022		
15	15-Apr	Good Friday
16	18-Apr	Easter Monday
17	27-Apr	King's Day
18	5-May	Liberation Day
21	26-May	Ascension Day
21	27 May	Mandatory day off
23	6-Jun	Whit Monday

Logistics Management 2021- 2022: year 2

Trimester 1

Name	Osiris-code	ECTS	Page
Intermodal Transport	BIP2.MULTI-18P	5	9
Operations Management	BIP2.COPMGT-18C	2	10
Business Process Management & ICT	BIP2.ICTLOG1-19C	3	11
Procurement Management	BIP2.CINKMG-18C	3	12
Professional Writing and Com. 1	BIP2.PCW1-19C	2	13
Management & Organisation	BIP2.MTORG-18C	2	14
Mentoring 2	B2.MENTOR2-18 (LG-EN)	3	15
	Subtotal	**20**	

Trimester 2

Name	Osiris-code	ECTS	Page
Aurora	BIP2.AURORA-18P	5	17
Production Management	BIP2.PRMA-18C	3	18
Physical Distribution & ICT	BIP2.ICT-18C	2	19
Research Methods	BIP2.MTO-18C	3	20
Financial Accounting & ABCosting	BIP2.FINACC-18C	2	21
Import & Export Management	BIP2.IMEXMT-18C	2	22
Professional Writing and Com. 2	BIP2.PCW2-19C	3	23
	Subtotal	**20**	

Trimester 3

Name	Osiris-code	ECTS	Page
External Project	BIP2.EXPRO-18P	5	25
Supply Chain Management	BIP2.SCM-18C	2	26
Trade & Transport Law	BIP2.HVRE-18C	3	27
Sales Management	BIP2.SALESM-18C	2	28
Operations Research	BIP2.COR-18C	3	29
Professional Writing and Com. 3	BIP2.PCW3-19C	3	30
Free Elective 1	BIP2.FREE1-02 (LGMT)	1	31
Free Elective 2	BIP2.FREE2-02 (LGMT)	1	32
	Subtotal	**20**	
	Total	**60**	

Logistics Management 2021- 2022: year 3

Trimester 1

Name	Osiris-code	ECTS	Page
Internship 1	BIP3.IS1-19	20	36
	Subtotal	**20**	

Trimester 2

Name	Osiris-code	ECTS	Page
Network Logistics	BIP3.NETLOG-18C	3	38
E-Logistics	BIP3.ELOG-18C	3	39
Entrepreneurship	BIP3.ENT-18C	3	40
Quality Management	BIP3.QUAMG-18C	3	41
Port Logistics	BIP3.PORTL-18C	3	42
Business Communication & Ethics	BIP3.BCE-18C	3	43
Company Analysis	BIP3.COMPANY-18C	2	44
	Subtotal	**20**	

Trimester 3

Name	Osiris-code	ECTS	Page
Internship 2	BIP3.IS2-19	20	46
	Subtotal	**20**	
	Total	**60**	

Logistics Management 2021- 2022: year 4

Semester 1

Name	Osiris-code	ECTS	Page
The Modern Supply Chain	BMSC.20MINOR	30	48
Modern Business in a Changing World	BCW.20MINOR	30	50
Crowd Safety in Hubs & Events	ACS.20MINOR	30	51
Kennislab People and Goods on the Move	BPGM.20MINOR	30	53
Urban Retrofitting	BUR.20MINOR	30	54
Externe Minor ABEL	BEXT.20MINOR	30	

Semester 2

Name	Osiris-code	ECTS	Page
Graduation Thesis	B4.SC-18*	30	56
	Total	**60**	

Logistics Management

Year 2

Logistics management
2021 - 2022: year 2

	Developing policy 1 (Strategic level)	Developing policy 2 (Strategic level)	Developing policy 3 (Strategic level)	Developing policy 4 (Strategic level)	Developing policy 5 (Strategic level)	Directing 1 (Tactical level)	Directing 2 (Tactical Level)	Directing 3 (Tactical level)	Directing 4 (Tactical level)	Directing 5 (Tactical level)	Implementing 1 (Operational level)	Implementing 2 (Operational level)	Implementing 3 (Operational level)	Implementing 4 (Operational level)	Social and communicative subcompetencies 1	Social and communicative subcompetencies 2	Social and communicative subcompetencies 3
Trimester 1																	
Intermodal Transport	2	2	2	2	2	2	2	2	2	2					2	2	2
Operations Management	2	2	1	2	2	2	2	2	2	2							
Professional Writing and Com. 1												2	2	2	2	2	2
Management & Organisation	1	1				1	1							1		1	
Business Process Management & ICT	2		2	1	2	1	1		1	1	1	1					
Procurement Management	3	2	2		2	2					2	3					
Mentoring 2											2	2		2			
Trimester 2																	
Aurora	2	2	2		2	2		2	2	2	2	2	2	2	2	2	2
Physical Distribution & ICT		1	2	1		2		2		1				2	1		1
Financial Accounting & ABCosting	1		1			1	1		2								1
Import & Export Management	2	2		1	2			1					1		1		
Research Methods	2	2			2	2			2		2	2	2	2	2	2	2
Production Management	2	2	1		2		1	2	2	2							
Trimester 3																	
Supply Chain Management	2	2	1		2	2											
Sales Management														2			
Operations Research	2					2				2							
Trade & Transport Law	2	2	2		2				2		2						
External Project	2	2	2		2	2	1	1	1	1	2	2	1	2	2	2	2
Free Elective 1															2		

Logistics Management

Year 2

Trimester 1

OSIRIS-code:	BIP2.MULTI-18P
Course name:	Intermodal Transport
Study load:	5 EC (=140 hours)
Coordinator:	Dirk Broek
Lecturer(s):	Dirk Broek, Stella Stoycheva, Letty Zhu
Learning objective(s):	Upon completion of this study component you are able to: - determine the economic feasibility of the intermodal transport chains; - determine the logistics feasibility of the intermodal transport networks; - draw up the accompanying analyses; - compile a business plan; - implement DESTEP for an intermodal terminal; - set-up proposals.
Content description:	In this study component, the following content is covered: - the project will be preceded by 10 lectures, in which the theory will be discussed. The project is carried out by order of the customer. Elements of competition and play have been incorporated into the project for the project groups. Subsequently, the following parts are dealt with; - elaboration on the offer of the intermodal terminal's services with a determination of an area and destination origin; - making a set-up proposal for an inland terminal; - making a business plan for the inland terminal; - compiling a commercial offer from a perspective of a logistics service provider from a designated country of origin to and from China.
Language:	EN
Teaching activity:	Project with coaching, Lecture
Examination:	Written exam 50% Group assignment 50% Workshop 0%
Mark:	Marks, F, MO
Required literature:	Jong, F., Rodeman, H., Ruijgrok, K., Verweij, K.. The Vitality of Intermodal Transport. InterRoJo Publications (ISBN 9789082814200)
Required other materials:	--

OSIRIS-code:	BIP2.COPMGT-18C
Course name:	Operations Management
Study load:	2 EC (=56 hours)
Coordinator:	André Gijsberts
Lecturer(s):	André Gijsberts
Learning objective(s):	Upon completion of this study component you are able to: - know the principles of the three most important manufacturing philosophies; - have an overview regarding Operations Management; - solve related practice problems.
Content description:	In this study component, the following content is covered: Operations management is the activity of managing the resources which are devoted to the production and delivery of products and services. We use a broad definition of operations, which includes the processes in hospitals, banks and airlines besides the more classic one focused on manufacturing companies only; We start with an introduction in the field of OM and focus mainly on planning and control, with a slight touch on design of products and processes.In the second part of the course manufacturing philosophies MRP and ERP, TOC, Lean and JIT are discussed; The course uses Introduction into Logistics as a foundation.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	E. Goldratt. The Goal: A Process of Ongoing Improvement. 3rd. Novel, every edition is allright (ISBN 9780884271956)
Required other materials:	--

OSIRIS-code:	BIP2.ICTLOG1-19C
Course name:	Business Process Management & ICT
Study load:	3 EC (=84 hours)
Coordinator:	Irene Meeuwesen
Lecturer(s):	Irene Meeuwesen
Learning objective(s):	Upon completion of this study component you are able to: - understand the possibilities which logistic software solutions (amongst all ERP) offer in improving the effectiveness of information availability in organisations; - describe the steps which a company takes to select and implement logistic software solutions; - execute purchasing, sales and warehouse transactions in a logistical application (specifically in an ERP environment); - understand how methodical process design helps to formulate process requirements; - draw proces schemes with help of the international standard BPMn; - explain how the use of logistical software solutions creates better alignment of processes and therefor has a positive impact on KPI's; - independently select and apply BPM techniques to recognize, describe and assess processes.
Content description:	In this study component, the following content is covered: - the role and use of ICT in companies; - the design, function and use of logistic software systems by purchasers, salesmen and warehouse employees; - the various types of order flows in an ERP system; - selection and implementation of logistic software systems; - ICT projects; - datamanagement & Business Inteligence.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 100%
Mark:	Project with coaching
Required literature:	Visser & Van Goor. Logistics: Principles and Practice : a demand and supply chain management approach. Heruitgave. Hessel Visser B.V. (ISBN 9789081649117)
Required other materials:	Handouts, articles, magazines. Published via Teams.

OSIRIS-code:	BIP2.CINKMG-18C
Course name:	Procurement Management
Study load:	3 EC (=84 hours)
Coordinator:	Luuk Koopman
Lecturer(s):	Luuk Koopman
Learning objective(s):	Upon completion of this study component you are able to: - identify the core procurement strategies, make a difference between procurement, purchasing and supply chain management; - advise how to establish an effective purchasing system; - advise how to identify the best suppliers; - identify the major cost drivers and advise to add value and reduce costs; - advise how procurement activities should be performed best; - identify how procurement activities may impact profitability.
Content description:	In this study component, the following content is covered: - procurement scope and development; - strategic aspects of purchasing; - procurement, structure and organization; - the purchasing and supply environment; - key considerations: Quality, Quantity, Time, Source decision making, Price; - purchasing negotiations; - international purchasing; - capital goods; - purchasing for resale; - purchasing systems; - people in Procurement; - research into Procurement and Supply.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 50% Group assignment 50%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Handouts, articles, magazines, additional study material. Published via Teams.

OSIRIS-code:	BIP2.PCW1-19C
Course name:	Professional Writing and Com. 1
Study load:	2 EC (=56 hours)
Coordinator:	Raechel Torner
Lecturer(s):	Emmi Bravo Palacios, Raechel Torner
Learning objective(s):	Upon completion of this study component you are able to: - write a professional article on a logistic topic; - discuss logistic topics in a professional way.
Content description:	In this study component, the following content is covered: - the structure of an article based on different perspectives; - the use of reliable sources; - the use of academic vocabulary; - preparing relevant discussion questions and input; - practising different roles: chairman, discussion member and observer.
Language:	EN
Teaching activity:	Lecture, Training
Examination:	Individual assignment 60% Individual assignment 40%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.MTORG-18C
Course name:	Management & Organisation
Study load:	2 EC (=56 hours)
Coordinator:	Erik van Diffelen
Lecturer(s):	Erik van Diffelen
Learning objective(s):	Upon completion of this study component you are able to: - describe foundation concepts and theories in the field of Management & Organization; - to analyze practical organizational processes through a theoretical lens; - explicate effective behavior in future work-related situations.
Content description:	In this study component, the following content is covered: - job satisfaction; - perception and decision making; - motivation; - group behavior; - leadership; - organization structure; - change management.
Language:	EN
Teaching activity:	Lecture
Examination:	Individual assignment 20% Written exam 80%
Mark:	Marks, F, MO
Required literature:	Robbins & Judge. Essentials of Organizational Behavior. Pearson (ISBN 9781292406664)
Required other materials:	--

OSIRIS-code:	B2.MENTOR2-18 (LG-EN)
Course name:	Mentoring 2
Study load:	3 EC (=84 hours)
Coordinator:	Ilse Hens
Lecturer(s):	Ilse Hens
Learning objective(s):	Upon completion of this study component you are able to: - learn about skills and interests; - learn about strong and weak points; - see possibilities and constraints; - make a well considered choice for a work placement; - give feedback; - share experiences.
Content description:	In this study component, the following content is covered: - feedback; - discuss PDP; Personal Development Plan; - identify ambitions, goals and capacities; - international field trip; - guest lectures from the industry; - work placement preparations; - individual meetings; - placement workshops.
Language:	EN
Teaching activity:	Training, Fieldtrip, Workshop
Examination:	Individual assignment 100%
Mark:	Marks, P, F, MO
Required literature:	--
Required other materials:	--

Logistics Management

Year 2

Trimester 2

OSIRIS-code:	BIP2.AURORA-18P
Course name:	Aurora
Study load:	5 EC (=140 hours)
Coordinator:	Irene Meeuwesen
Lecturer(s):	Irene Meeuwesen, Stella Stoycheva, Letty Zhu
Learning objective(s):	Upon completion of this study component you are able to: - use the theoretical background in Operations Management for an advice in a practical case study.
Content description:	In this study component, the following content is covered: Aurora has several problems in its operations at different companies. You are asked in your role as consultant to analyse these problems and invent solution strategies. These solutions are presented by your consultancy agency at the end of the project (group product). Further on: there will be an assignment to choose a company, contact and interview the operations manager and make an analysis of this company. This will result in a report (individual product). The project uses the course Operations Management as a foundation.
Language:	EN
Teaching activity:	Project with coaching
Examination:	Group assignment 60% Individual assignment 40% Workshop 0%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Reader, e-book, to be handed out in kick off session. Published via Teams.

OSIRIS-code:	BIP2.PRMA-18C
Course name:	Production Management
Study load:	3 EC (=84 hours)
Coordinator:	André Gijsberts
Lecturer(s):	André Gijsberts
Learning objective(s):	Upon completion of this study component you are able to: use different techniques from Operations Management.
Content description:	In this study component, the following content is covered: - rehearsal concepts of OM; - planning on different levels: from S&OP, workforce planning to machine planning; - scheduling on differnet levels (with LEKIN); - guest lectures(if possible); - jobbing & project production (with network planning & MS-project); - queuing theory.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Individual assignment 50% Individual assignment 50%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.ICT-18C
Course name:	Physical Distribution & ICT
Study load:	2 EC (=56 hours)
Coordinator:	Jan van Elderen
Lecturer(s):	Jan van Elderen
Learning objective(s):	Upon completion of this study component you are able to: - recognize the role of ICT within a (distribution) organization and understand the implications involved; - solve a (complex) route and route planning issue using specific software solutions; - name and interpret the relationships between different software solutions (ERP, FMS, TMS, WMS) within a distribution environment; - recognize and continue the process of the selection process and implementation of performance indicators within a distribution environment; - describe the current developments (innovations) within ICT & distribution and provide advice on the practical applicability of these developments in distribution logistics.
Content description:	In this study component, the following content is covered: - role of ICT within distribution; - trip- and Routeplanning; - transportmanagement Systems; - fleet Management Systems; - automatic Identification; - performance Indicators within Distribution; - innovation in Distribution (&ICT); - ICT and distribution in practice: Casestudy/Examples.
Language:	EN
Teaching activity:	Lecture, Training
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Other - Manuals ORTECRS & Cases. Published via Teams.

OSIRIS-code:	BIP2.MTO-18C
Course name:	Research Methods
Study load:	3 EC (=84 hours)
Coordinator:	Justin van de Pas
Lecturer(s):	Sannie van Boxtel, Alinda Kokkinou, Justin van de Pas
Learning objective(s):	Upon completion of this study component you are able to: - understand, remember and describe how to design and conduct an applied research project such as - an internship assignment; - apply a selected number of research methods in real life situations.
Content description:	In this study component, the following content is covered: - the research process and making a research plan; - research design; - types of research and relation with the handling cycle; - research techniques; - data collection and corresponding plans; - sampling and reliability intervals.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 55% Group assignment 45%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.FINACC-18C
Course name:	Financial Accounting & ABCosting
Study load:	2 EC (=56 hours)
Coordinator:	Jan Verhey
Lecturer(s):	Jan Verhey
Learning objective(s):	Upon completion of this study component you are able to: - read financial overviews and analyze financial statements; - interpret financial reports; - choose between and apply financial sources; - compose and analyze the basics of Activity Based Cost
Content description:	In this study component, the following content is covered: - financial planning; - the financial structure; - capital budgeting; - working capital management; - reverse factoring and other methods of Supply Chain Finance; - capital structure; - financial statement analysis; - activity based costing (basics).
Language:	EN
Teaching activity:	Lecture
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Reader, e-book - Purchase Finance and Control Year 2 (via Edumundo)

OSIRIS-code:	BIP2.IMEXMT-18C
Course name:	Import & Export Management
Study load:	2 EC (=56 hours)
Coordinator:	Erik van Diffelen
Lecturer(s):	Erik van Diffelen, Sijbren Hogewerf
Learning objective(s):	Upon completion of this study component you are able to: - obtain an insight on import management; - get a principle of export management; - analyse on operational, tactical and strategic levels export-import operations; - discuss trade facilitation in a glance; - define HS-codes; - give a description of imported items for the customs purposes; - calculate customs duties and import duties.
Content description:	In this study component, the following content is covered: - logistic aspects of import and export; - customs aspects of import and export; - financial aspects of import and export; - an import/export plan; - WTO; - HS-codes.
Language:	EN
Teaching activity:	Lecture
Examination:	Written exam 80% Group assignment 20% Lecture
Mark:	Marks, F, MO
Required literature:	Hans Veldman. Export Management: A European Perspective. Noordhoff Uitgevers (ISBN 9789001700324)
Required other materials:	--

OSIRIS-code:	BIP2.PCW2-19C
Course name:	Professional Writing and Com. 2
Study load:	3 EC (=84 hours)
Coordinator:	Raechel Torner
Lecturer(s):	Simone Jacobs, Raechel Torner
Learning objective(s):	Upon completion of this study component you are able to: - identify your qualities, development points, interests and ambitions in relation to the industry, your education, and your future career; - apply for a placement or job in a professional manner; - profile yourself in a professional manner; - make choices as to which application method(s) best suit your personality and the organisation to which you are applying; - identify and proactively use resources available to help you reach your personal development goals in the 3rd and 4th year of the study.
Content description:	In this study component, the following content is covered: - tools, resources, and exercises to aid you in your professional development; - the use of various online and offline application methods; - networking skills and how to increase your professional visibility.
Language:	EN
Teaching activity:	Training
Examination:	Individual assignment 100%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

Logistics Management

Year 2

Trimester 3

OSIRIS-code:	BIP2.EXPRO-18P
Course name:	External Project
Study load:	5 EC (=140 hours)
Coordinator:	Sannie van Boxtel
Lecturer(s):	Sannie van Boxtel, Semi Torun, Letty Zhu
Learning objective(s):	Upon completion of this study component you are able to: - analyse a logistic problem in an actual project in the field of warehousing, transport, events or production logistics; - give recommendations for logistic improvements.
Content description:	In this study component, the following content is covered: - professional behavior; - contact with commissionar; - preparation for the first internship; - report writing; - literature study.
Language:	EN
Teaching activity:	Project with coaching
Examination:	Individual assignment 50% Process (obligatory) 50% Workshop 0%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.SCM-18C
Course name:	Supply Chain Management
Study load:	2 EC (=56 hours)
Coordinator:	Pauline van Beusekom
Lecturer(s):	Pauline van Beusekom, Jan Willem Boskaljon
Learning objective(s):	Upon completion of this study component you are able to: - analyse the demand and supply side of supply chains; - analyse the level of chain integration, and understand its implication; - understand key aspects for supply chain design; - understand the concepts of responsiveness, resilience relationships and reliability in supply chains.
Content description:	In this study component, the following content is covered: - supply chain design - supply chain integration; - supply chain concepts; - supply chain risks.
Language:	EN
Teaching activity:	Lecture, ,
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	Martin Christopher. Logistics and Supply Chain Management. Pearson education (ISBN 9781292083797)
Required other materials:	--

OSIRIS-code:	BIP2.HVRE-18C
Course name:	Trade & Transport Law
Study load:	3 EC (=84 hours)
Coordinator:	Vacancy Logistics
Lecturer(s):	Vacancy Logistics
Learning objective(s):	Upon completion of this study component you are able to: - analyse basic cases with regard to contract law (Dutch), trade law and transportation law.
Content description:	In this study component, the following content is covered: - breach of contract and remedies; - applicability of the CISG; - obligations of buyer and seller deriving from an international contract of sale; - transfer of risk between buyer and seller in context of an international contract of sale; - incoterms; - applicability of CMR, CMNI, Hague Visby Rules and Montreal Convention; - obligations of carriers, consignors, and consignees; - liability of carriers; - restrictions and limitations on liability of carriers; - customs; - documents.
Language:	EN
Teaching activity:	Lecture
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	Jansen, M.A.. Law & self-regulation : legal and business perspectives. Legalmarketing.nl (ISBN 9789053834282)
Required other materials:	--

OSIRIS-code:	BIP2.SALESM-18C
Course name:	Sales Management
Study load:	2 EC (=56 hours)
Coordinator:	Peter Kole
Lecturer(s):	Sijbren Hogewerf, Peter Kole
Learning objective(s):	Upon completion of this study component you are able to: - explain the importance between sales and logistics using at least three practical examples; - practically apply at least three different sales methods in a preestablished environment; - draw up a sales plan for a logistics service, based on a step-by-step plan; - analyze the sales strategy and objectives of a company in such a way that you can indicate whether this strategy is appropriate for the given company objectives (application); - identify and apply at least ten points for attention in the introductory, socialization, inventory, summarizing and final phase of the sales converstation; - to make a substantiated price calculation in order to be able to calculate a practical quotation example; - prepare yourself in a well-founded manner for a sales conversation. Within this it is important that you actively search for the (deeper) needs of the potential customer; - to explain the importance of sales within the logistics chain
Content description:	In this study component, the following content is covered: - awareness of the basic principles of sales; - the sales organization and how it is designed; - the developments and trends in a sales environment; - strategic and operational sales management; - the sales and decision-making process; - inventory and argue; - presenting and offering; - negotiate and conclude.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 70% Group assignment 30% Studio with coaching 0%
Mark:	Marks, F, MO
Required literature:	Gerbrand Rustenburg, Arnold Steenbeek. Sales Management. Noordhoff (ISBN 9789001807986)
Required other materials:	--

OSIRIS-code:	BIP2.COR-18C
Course name:	Operations Research
Study load:	3 EC (=84 hours)
Coordinator:	André Gijsberts
Lecturer(s):	André Gijsberts
Learning objective(s):	Upon completion of this study component you are able to: building, solving and analyzing linear programming and network models.
Content description:	In this study component, the following content is covered: - formulation of Linear Programming (LP) models; - graphical method for solving small LP-problems; - building, solving and analyzing models with the Excel Solver; - using algorithms for certain types of network problems (Shortest path, TSP, MST, CPP et cetera); - able to connect both areas to problems in production and distribution.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Written exam 100%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.PCW3-19C
Course name:	Professional Writing and Com. 3
Study load:	3 EC (=84 hours)
Coordinator:	Raechel Torner
Lecturer(s):	Simone Jacobs, Raechel Torner
Learning objective(s):	Upon completion of this study component you are able to: - write an advisory report based on a proposal / quotation for services, an interview, and desk research; - make a choice as to which communication skills are needed to turn a client's request into professional advice.
Content description:	In this study component, the following content is covered: - the important parts of a quotation for services; - interview forms and techniques; - using a feasibility study to write an advisory note.
Language:	EN
Teaching activity:	Training
Examination:	Group assignment 100%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.FREE1-02 (LGMT)
Course name:	Free Elective 1
Study load:	1 EC (=28 hours)
Coordinator:	Ilse Hens
Lecturer(s):	Ilse Hens
Learning objective(s):	Upon completion of this study component you are able to: - make a choice for an activity for your personal development; extra on your CV; - develop your skills on a self-chosen topic; - write a plan for your development on self-chosen learning objective.
Content description:	In this study component, the following content is covered: The design and planning of your free electives, under two conditions: 1. for each credit, you must choose an activity that requires 28 hours of work; 2. you have to be able to explain why the activity is a valuable addition to your curriculum. What will you learn and which competencies will you develop? Examples: - course at an other education in- or outside BUas (only courses which are not part of your own curriculum); - online courses / trainingen; - assignments and / or study trips, organized by teachers / employees from the BUas; - dutch speaking students can also choose courses of the Dutch Free Electives. For more information, see LMS, Info Sources.
Language:	EN
Teaching activity:	--
Examination:	Individual assignment 100%
Mark:	Marks, P, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP2.FREE2-02 (LGMT)
Course name:	Free Elective 2
Study load:	1 EC (=28 hours)
Coordinator:	Ilse Hens
Lecturer(s):	Ilse Hens
Learning objective(s):	Upon completion of this study component you are able to: - make a choice for an activity for your personal development; extra on your CV; - develop your skills on a self-chosen topic; - write a plan for your development on self-chosen learning objective.
Content description:	In this study component, the following content is covered: The design and planning of your free electives, under two conditions: 1. for each credit, you must choose an activity that requires 28 hours of work; 2. you have to be able to explain why the activity is a valuable addition to your curriculum. What will you learn and which competencies will you develop? Examples: - course at an other education in- or outside BUas (only courses which are not part of your own curriculum); - online courses / trainingen; - assignments and / or study trips, organized by teachers / employees from the BUas; - dutch speaking students can also choose courses of the Dutch Free Electives. For more information, see LMS, Info Sources.
Language:	EN
Teaching activity:	--
Examination:	Individual assignment 100%
Mark:	Marks, P, F, MO
Required literature:	--
Required other materials:	--

Logistics Management

Year 3

Logistics management
2021 - 2022: year 3

	Developing policy 1 (Strategic level)	Developing policy 2 (Strategic level)	Developing policy 3 (Strategic level)	Developing policy 4 (Strategic level)	Developing policy 5 (Strategic level)	Directing 1 (Tactical level)	Directing 2 (Tactical Level)	Directing 3 (Tactical level)	Directing 4 (Tactical level)	Directing 5 (Tactical level)	Implementing 1 (Operational level)	Implementing 2 (Operational level)	Implementing 3 (Operational level)	Implementing 4 (Operational level)	Social and communicative subcompetencies 1	Social and communicative subcompetencies 2	Social and communicative subcompetencies 3
Trimester 1																	
Internship 1	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2
Trimester 2																	
Entrepreneurship	2	2	1	2	2		2	2	2	2	2	2	2	2	2	2	2
Company Analysis						3	2						3	3			
E-Logistics		3	3		3												
Quality Management																	
Business Communication & Ethics	2	3		1				1			1	2					
Port Logistics	3	3	3					3	3	2							
Trimester 3																	
Internship 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Logistics Management

Year 3

Trimester 1

OSIRIS-code:	BIP3.IS1-19
Course name:	Internship 1
Study load:	20 EC (=560 hours)
Coordinator:	Irene Meeuwesen
Lecturer(s):	Irene Meeuwesen
Learning objective(s):	Upon completion of this study component you are able to: - tackle a practical problem with control and feedback - to report and present. Admission for internship: You have to arrange your own internship, bearing in mind that the internship and assignment have to be approved by the internship coordinator. The terms and conditions to be admitted to the internship are mentioned in the Teaching and Examination Regulations ABEL.
Content description:	In this study component, the following content is covered: - you will be working on the job during 14 weeks and carry out an assignment for the company or institution; - you report the results in a report and explain these results during graduation; - you mention your learning experiences in a process report. Coordinators; - LOG: Irene Meeuwesen / Luuk Koopman; - ISD: Leigh Stevens
Language:	EN
Teaching activity:	Placement supervision
Examination:	Individual assignment 100%
Mark:	Project with coaching
Required literature:	--
Required other materials:	Other - Internship handbook, via LMS.

Logistics Management

Year 3

Trimester 2

OSIRIS-code:	BIP3.NETLOG-18C
Course name:	Network Logistics
Study load:	3 EC (=84 hours)
Coordinator:	Peter Kole
Lecturer(s):	Peter Kole
Learning objective(s):	Upon completion of this study component you are able to: - citically discuss and analyse the control side of logistic chains and networks; - critically discuss and analyse the aspects connected with the management and organization of chain and network integration; - analyse data and to develop a logistic network with reference to social economical and technical trends.
Content description:	In this study component, the following content is covered: - location and allocation of stock points in logistic chains; - building a resilient supply chain; - logistic fit; - SRM (supplier relationship management); - cooperation and partnerships; - supply chain risk; - corporate Social Responsibility and sustainability.
Language:	EN
Teaching activity:	Lecture
Examination:	Written exam 70% Group assignment 30%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Handouts, articles, magazines. Published via Teams.

OSIRIS-code:	BIP3.ELOG-18C
Course name:	E-Logistics
Study load:	3 EC (=84 hours)
Coordinator:	Peter Kole
Lecturer(s):	Peter Kole
Learning objective(s):	Upon completion of this study component you are able to: - reflect on historical and future developments of E-Logistics, the demands of consumers and the impact of E- logistics on the Supply Chain and logistic concepts; - you will be able to generate logistic solutions for online retail.
Content description:	In this study component, the following content is covered: - e-business, E-commerce & M-commerce: What is it and how are they connected? Online selling and processes: understanding of the unique functionalities in case of digital selling and processing goods; - online consumers: What do they want and which supply chain barriers do they recognize to prevent them from buying?; - internet and business models: How did internet change existing business models and processes?; - supply Chain: What is the impact of E-commerce on the total Supply Chain, stock, returns, cross border logistics and CO2 emission?; - warehousing: What are the differences between B2B, B2C and Multi-Channel warehouse opererations?; - the Last Mile: Where does the last mile start, where does it end and what are the challenges?; - logistic developments and Webshops: Which services, liability and accuracy do the offer and what are the developments?; - case study: To generate and present solutions for a given E-commerce logistic Case study.
Language:	EN
Teaching activity:	Lecture
Examination:	Written exam 70% Group assignment 30%
Mark:	Marks, F, MO
Required literature:	Visser & Van Goor. Logistics: Principles and Practice : a demand and supply chain management approach. Heruitgave. Hessel Visser B.V. (ISBN 9789081649117)
Required other materials:	--

OSIRIS-code:	BIP3.ENT-18C
Course name:	Entrepreneurship
Study load:	3 EC (=84 hours)
Coordinator:	Semi Torun
Lecturer(s):	Piet Berkers, Erik van Diffelen, Semi Torun
Learning objective(s):	Upon completion of this study component you are able to: - set up a business plan based on thinking up new concepts that are related to the logistical knowledge domain; - discover and identify all aspects related to starting up new business; - how to manage a company on a financial, logistic, commercial, legal, human resource and international way; - integrate management, marketing, production and financial knowledge in relation to entrepreneurship; - discover and develop personal intra/entrepreneurial skills in a team and individually (awareness).
Content description:	In this study component, the following content is covered: - introduction to entrepreneurship / intrapreneurship; - concept development, idea creation, market exploration; - setting up a business plan, based on Lean canvas / Business Model Canvas; - becoming acquainted with The Lean Startup-methode; - entrepreneurship and legal aspects; - management game T-Challenge. This is an online simulation game in which you experience to manage a fruit juice company with disappointing results. The factory produces and sells ice tea and sports drinks. You will be challenged with your team to turn in into a successful company, in competition with other teams.
Language:	EN
Teaching activity:	Lecture, Project with coaching
Examination:	Group assignment 80% Individual assignment 20%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BIP3.QUAMG-18C
Course name:	Quality Management
Study load:	3 EC (=84 hours)
Coordinator:	Danielle Dielemans
Lecturer(s):	Danielle Dielemans, Eric Hopstaken, Azadeh Irajifar
Learning objective(s):	Upon completion of this study component you are able to: - be able to understand the different Quality management aspects. - understand the different Quality management systems - recognize the different main concepts and context Continous Improvement - experience techniques to eliminate mistakes - recognize the different main concepts of Quality control - understand how Corporate Social responsibilty is part of Quality control
Content description:	In this study component, the following content is covered: - learn and analyse the different aspects within Quality management and Continous improvement.
Language:	EN
Teaching activity:	Workshop, Lecture
Examination:	Written exam 50% Individual assignment 50%
Mark:	Marks, P, F, MO
Required literature:	--
Required other materials:	Handouts, articles, magazines - Quality & Improvement cases. Published via Teams; Reader, e-book - Quality management. Published via Teams.

OSIRIS-code:	BIP3.PORTL-18C
Course name:	Port Logistics
Study load:	3 EC (=84 hours)
Coordinator:	Dirk Broek
Lecturer(s):	Dirk Broek
Learning objective(s):	Upon completion of this study component you are able to: - master the transshipment and storage of multimodal bulk freight flows within a port. Both on economic and engineerings level; - recognize the organization structures of a port and also in a broader perspective; - recognize the different kind of competition on both public and private level; - define the role of port authorities.
Content description:	In this study component, the following content is covered: - technical features for storage and transshipment of multimodal bulk freight flows; - the economic knowledge of the use of these technical features within a logistic chain; - economic trade-off (ETO) and social pros and cons of an existing or new port in a broader perspective with central focus on the port; - the powerplay within the triptych of shipping companies, terminals and port authorities; - the different forms of government of a port authority; - the economic importance for seaports in the fields of containers, dry and liquid bulk; - the economic importance of a seaport in the field of energy, freight flows and fuels.
Language:	EN
Teaching activity:	Lecture, Project with coaching
Examination:	Written exam 80% Group assignment 20%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Reader, e-book - Reader Port logistics. Published via Teams.

OSIRIS-code:	BIP3.BCE-18C
Course name:	Business Communication & Ethics
Study load:	3 EC (=84 hours)
Coordinator:	Raechel Torner
Lecturer(s):	Raechel Torner, Letty Zhu
Learning objective(s):	Upon completion of this study component you are able to: - analyse ethical issues in business; - recognize the importance of business communication in gaining a better understanding of a manager and business partners; - explain how communication skills help solve problems, resolve conflicts, manage stress, build a successful career.
Content description:	In this study component, the following content is covered: - ethics for business and organisations; - negotation strategies; - business communication strategies.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Group assignment 50% Individual assignment 50%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	Handouts, articles, magazines. Published Via Teams.

OSIRIS-code:	BIP3.COMPANY-18C
Course name:	Company Analysis
Study load:	2 EC (=56 hours)
Coordinator:	Danielle Dielemans
Lecturer(s):	Danielle Dielemans
Learning objective(s):	Upon completion of this study component you are able to: - effectively analyse and relate the unique aspects of your internship company with your subsequent advice; - evaluate possible tools and choose effective management models for the required analysis in a business environment; - both above in a way that you; - develop better understanding about companies; - develop better understanding about personal fit with company; - can build a stronger link between the company description and advice; - learn to apply management models when describing and analysing companies.
Content description:	In this study component, the following content is covered: - the subject content is mainly project-based, structured as follows; • collectively analysing business aspects of the first placement companies; • presentations of observations and lessons, including differences between the companies and the role of company culture; - note: students are required to prepare already during and immediately following their first placement by individually producing a short report summarising their first placement company; - in addition to the project work, the students receive information, covering; • markets, products, structures and systems; • including a strong focus on “leadership” and “culture”; - reflection on personal behavior, actions and assumptions in the business environment forms a significant part of the course.
Language:	EN
Teaching activity:	Lecture, Workshop
Examination:	Group assignment 50% Individual assignment 50%
Mark:	Marks, F, MO
Required literature:	Mulders, M. 101 Management models. Noordhoff Uitgevers (ISBN 9789001783167)
Required other materials:	--

Logistics Management

Year 3

Trimester 3

OSIRIS-code:	BIP3.IS2-19
Course name:	Internship 2
Study load:	20 EC (=560 hours)
Coordinator:	Irene Meeuwesen
Lecturer(s):	Irene Meeuwesen
Learning objective(s):	Upon completion of this study component you are able to: - to tackle a practical problem with control and feedback - to report and present. Admission for internship: You have to arrange your own internship, bearing in mind that the internship and assignment have to be approved by the internship coordinator. The terms and conditions to be admitted to the internship are mentioned in the Teaching and Examination Regulations ABEL.
Content description:	In this study component, the following content is covered: - you will be working on the job during 14 weeks and carry out an assignment for the company or institution; - you report the results in a report and explain these results during graduation; - you mention your learning experiences in a process report. Coordinators; - LOG: Irene Meeuwesen / Luuk Koopman; - ISD: Leigh Stevens.
Language:	EN
Teaching activity:	Placement supervision
Examination:	Individual assignment 100%
Mark:	Project with coaching
Required literature:	--
Required other materials:	--

Logistics Management

Year 4

Semester 1

OSIRIS-code:	BMSC.20MINOR
Course name:	The Modern Supply Chain
Study load:	30 EC (=840 hours)
Coordinator:	Eric Hopstaken
Lecturer(s):	Jan Willem Boskaljon, Danielle Dielemans, Jan van Elderen, Eric Hopstaken, Luuk Koopman, Hans Quak, Jan Verhey, Hidde Westerweele, Marcel Wouterse
Learning objective(s):	Upon completion of this study component you are able to: - apply knowledge and theories about supply chain management gathered earlier during previous years; - review a supply chain related problem or challenge of a company or organisation within the broader context of that company or organisation (strategic/tactical/operational) - outline the importance and value of finding a solution for above mentioned problem or challenge - establish the detailed objectives and a step-by-step approach for achieving, presenting and proving a possible design - create the business case that justifies working on this design (iterative process) - define and apply a full-fletch design science research methodology, based on different theories; apply in this methodology a systematic literature review, including data-collection and analysis on validity and reliability. - develop a design (artefacts) for the solution by combining different elements of supply chain management into a new pattern/structure; - demonstrate the value of your created solution (artificat) in a suitable context; - validate the value of created solution in the broader context of the specific supply chain within your company/organisation; - present and sell the solution in order to create buy-in; persuade all stakeholders within the organisation; - deliver a paper (mind you, this is based on applied science, so practically oriented, but based on scientific- and literatiure research!), which is publicationworthy in a supply chain magazine
Content description:	In this study component, the following content is covered: - experience what it is and how it feels to make a solid improvement in the supply chain of an existing company or organization, which is based on design science and its 'magnitude' of improvement/change was proven with a real-life concept/artifact/pilot. - lots of (hard) teamwork, collaboration, personal development
Language:	EN
Teaching activity:	Project with coaching, Lecture, Workshop
Examination:	Group assignment 60% Individual assignment 40%
Mark:	Marks, P, F, MO

Required literature:	Lewrick, Link, Leifer. The Design Thinking Toolbox. Wiley (ISBN 9781119629191)
Required other materials:	--

OSIRIS-code:	BCW.20MINOR
Course name:	Modern Business in a Changing World
Study load:	30 EC (=840 hours)
Coordinator:	Sannie van Boxtel
Lecturer(s):	Sannie van Boxtel, Danielle Dielemans, Bas Groot, Azadeh Irajifar, Luuk Koopman
Learning objective(s):	Upon completion of this study component you are able to: - successfully plan, execute, and evaluate change initiatives
Content description:	In this study component, the following content is covered: - Change Management; - Project Management; - Learning & Development; - Strategy & Innovation; - Behavior.
Language:	EN
Teaching activity:	Project with coaching, Lecture, Workshop
Examination:	50% Lecture 50%
Mark:	Project with coaching
Required literature:	J. Kotter. Leading Change. Harvard Business School Publishing (ISBN 9781422186435)
Required other materials:	--

OSIRIS-code:	ACS.20MINOR
Course name:	Crowd Safety in Hubs & Events
Study load:	30 EC (=840 hours)
Coordinator:	Justin van de Pas
Lecturer(s):	Mark van Eijk, Justin van de Pas
Learning objective(s):	Upon completion of this study component you are able to: - clear understanding of important concepts of Crowd Management and application of crowd modelling - ability to discuss application of crowd safety management (with concepts such as planning, licensing and operations) and its relevance to the wider legal, organisational, regulatory and risk management framework - ability to discuss appropriate risk assessment methodologies for crowd safety, how this impacts on legislation and guidance, and/or which areas of crowd safety need improvement - demonstrating understanding of core principles and applications of the tools. Providing some detail of use of models, information they provide and how this assists in the risk analysis of crowd dynamic. - clear understanding of important concepts within mobility and urban design by applying and analysing integtal alignment, design and planning processes and urban and spatial design. - ability to discuss the application of crowd simulations by analysing crowd simulations, applying measuring and monitoring tools, queing theories and crowd simulations. - ability to discuss application of stakeholder analysis, procedures and permits and law and regulations. - ability to discuss appropriate risk assessment methodologies for crowd safety, how this impacts on legislation and guidance, and/or which areas of crowd safety need improvement - communicate the information about the tools to users and/or team, with the goal to communicate with the audience - analysing an event or venue, including four core modelling elements. - recognise group behavior and understanding causality - (Deep) Researching and correct referencing - the use of clear graphics
Content description:	In this study component, the following content is covered: - crowd safety backgrounds and dynamics; - crowd safety, modelling and monitoring ; - crowd safety, design & organization; - crowd simulations and the use of simulation; - crowd safety, decisions & response; - crowd simulations; - (event) Logistics; - mobility and Accessibility; - overtourism.
Language:	EN
Teaching activity:	Lecture, Workshop, Project with coaching

Examination:	Group assignment 50% Individual assignment 50% Process (obligatory)
Mark:	Marks, F, MO
Required literature:	Still, G.Keith. Introduction to Crowd Science. (ISBN 9780367866709)
Required other materials:	--

OSIRIS-code:	BPGM.20MINOR
Course name:	Kennislab People and Goods on the Move
Study load:	30 EC (=840 hours)
Coordinator:	Jeroen Weppner
Lecturer(s):	Jeroen Weppner
Learning objective(s):	Upon completion of this study component you are able to: - conduct research independently; - write a quality essay; - write a good quality research report; - give and receive feedback; - search for and consult sources of information independently.
Content description:	In this study component, the following content is covered: - understand how the process of a major event comes about; - understand which stakeholders are involved in the process; - understand what roles and interests are involved; - give well-founded advice for improving the organisation.
Language:	EN
Teaching activity:	Project with coaching
Examination:	Group assignment 60% Individual assignment 40%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

OSIRIS-code:	BUR.20MINOR
Course name:	Urban Retrofitting
Study load:	30 EC (=840 hours)
Coordinator:	Paul van de Coevering
Lecturer(s):	Paul van de Coevering, Zhan Goosen, Ed Ravensbergen, Ineke Spapé
Learning objective(s):	Upon completion of this study component you are able to: - assess the current situation in your international case study area with the STEEP and SWOT analysis tools; - create integrated concepts with hardware, software and orgware interventions for the redevelopment and revitalization of your case study area which are grounded in theory and are alligned with the results of your SWOT analysis; - create a detailled integrated plan to tackle societal issues related to urban sprawl and car dependency in your case study area; - provide a coherent storyline from the SWOT analysis to concepting and the specific measures; - conduct targeted Urban Guerilla tactics in practice.
Content description:	In this study component, the following content is covered: - in depth analysis of a case study area in North America; - differences in land use and transportation networks between European and Northern American cities; - societal challenges related to urban sprawl and a car dependent culture; - hardware, software and orgware measures and their synergies; - designing and planning from masterplan to detailed street designs; - urban Guerilla tactics and connection with hardware, software orgware measures; - effective presentation skills; poster presentations, videos, brochures and other means of conveying your message.
Language:	EN
Teaching activity:	Project with coaching
Examination:	Individual assignment 50% Group assignment 50%
Mark:	Marks, F, MO
Required literature:	--
Required other materials:	--

Logistics Management

Year 4

Semester 2

OSIRIS-code:	B4.SC-18*
Course name:	Graduation Thesis
Study load:	30 EC (=840 hours)
Coordinator:	Irene Meeuwesen
Lecturer(s):	Irene Meeuwesen
Learning objective(s):	Upon completion of this study component you are able to: - to tackle, to report and to present a practical problem as a starting professional.
Content description:	In this study component, the following content is covered: You have to arrange your own internship and assignment. The internship coordinator measures the assignment on size, complexity and draft. During the graduation process you will work on location. Coordinators; - LOG: Irene Meeuwesen/ André Gijsberts; - BE: Monique van Herpen.
Language:	EN
Teaching activity:	Graduation supervision
Examination:	Individual assignment 100%
Mark:	Project with coaching
Required literature:	--
Required other materials:	--

Competency Descriptions of the degree Programmes of Logistics Management and Logistics Engineering

A1 Developing policy 1 (*Strategic level*)
Analyses internal and external developments and translates these to the context of the organisation and its stakeholders, in order to contribute to the company's strategy (including logistics strategy).

A2 Developing policy 2 (*Strategic level*)
Investigates an economic or technical logistics problem using carefuly chosen, justified methods and techniques to improve / renew the logistics process, product and/or service.

A3 Developing policy 3 (*Strategic level*)
Designs a logistics process, product and/or service using carefully chosen, justified methodologies that complies with the client's wishes and with the other parts of the supply chain.

A4 Developing policy 4 (*Strategic level*)
Creates support for substantiated advice about designing, improving or applying the logistics process, product and/or service.

A5 Developing policy 5 (*Strategic level*)
Draws up an implementation plan for the new/improved logistics process, product and/or service, taking the logistic objectives into consideration.

B1 Directing 1 (*Tactical level*)
Effectively manages a logistics process and/or project.

B2 Directing 2 (*Tactical level*)
Contributes to a change process that allows the logistics objectives of an organisation or organisational unit to be achieved, while considering consequences for and support base within the organisation.

B3 Directing 3 (*Tactical level*)
Directs and regulates one's own development in the field of professionally relevant knowledge and skills (soft skills and hard skills), thus demonstrating personal leadership.

B4 Directing 4 (*Tactical level*)
Is able to control national and international logistics processes from an interdisciplinary perspective, taking into account the dynamics of the business environment and cultural differences.

B5 Directing 5 (*Tactical level*)
Is able to provide direction and guidance to logistics processes (including logistics change processes) and the staff involved, with the aim of achieving the goals of the organisational unit or the project that is being led and taking into account any consequences for the organisation.

C1	**Implementing 1 (Operational level)** Puts solutions in place to address bottlenecks in logistics operations.

C2	**Implementing 2 (Operational level)** Plans logistics operations and takes care of implementing these, while demonstrating a professional and entrepreneurial attitude.

C3	**Implementing 3 (Operational level)** Collaborates in a professional logistics environment, takes cultural differences into account and acts ethically and responsibly.

C4	**Implementing 4 (Operational level)** Communicates effectively and professionally in the common corporate language at all levels.

Description of the competency levels

Level	Assignment characteristics	Context characteristics	Degree of autonomy
I	- Simple - Structured - Applies well-known methods	- Familiar - Simple - Monodisciplinary	- Guidance based on providing direction
II	- Complex - Structured - Uses well-known methods in varying situations	- Familiar - Complex - Monodisciplinary practice-based	- Guidance based on coaching
III	- Complex - Unstructured - Uses methods in new situations	- Unfamiliar - Complex - Multidisciplinary practice-based	- Independent / autonomous - Guidance / coaching if needed

Games

Media

Hotel

Facility

Built Environment

Logistics

Tourism

Leisure & Events

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