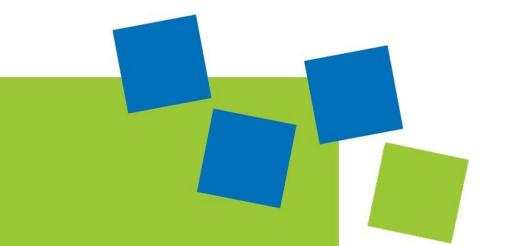




Modulhandbuch

International Product and Service Management (SPO WS 16/17)

Fakultät Wirtschaft Summer term 2023 Stand: 2023-03-27



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1 Introduction to the course of studies

Course of studies				
Short form:	IPM	SPO-Nr.:	HSAN-20161-1	
Course management:	Prof. Dr. Barbara Hedderich			
Student advisory service:	Prof. Dr. Barbara Hedderich & Prof. Dr.	-Ing. Anke Knoblaud	ch	
ECTS:	90 points (+30 ECTS-points bridging modules for 6+4 Bachelor's programs or the need for a professional bridging semester)			
Standard period of study:	3 or 4 Semester (Depending on the length of the Bachelor's degree; 6 or 7 se- mesters or the need for a professional bridging semester)			
Admission requirements:	 a university degree or equivalent with an overall examination mark of 2.0 or better in a course of study at a German or foreign university lasting at least six semesters proof of sufficient knowledge of German (at least Goethe-Zertifikat A1) and English (proven in the selection interview) proof of above-average motivation as a special qualification requirement through a selection interview, especially for grades between 2 and 3 			
Usability:	Master International Product and Service Management			
Learning Outcomes:				

The aim of the Master course "International Product and Service Management" is to convey the future master's graduates the professional, methodological and social skills that are necessary for the independent development and application of scientific knowledge and processes. The graduates also should learn how to act responsible in business and society.

With the academic degree "Master of Arts", short form: "M.A.", the graduates receive the qualification for doctoral studies.

The students should acquire the requirements to face successfully the challenges of an internationalised world. The students should develop their personality to be able to:

- think and act entrepreneurially,
- actively shape innovations,
- reflect ethically on their actions.

It is important to enable them to act as bridge builders between the disciplines. They should be able to analyze complex contexts and to react flexibly in them. Therefore, corresponding knowledge, skills and abilities are established. The focus of the Master course "IPM" is the application-oriented, sciencebased preparation of the students for occupational acting.

Content:

Each semester, students acquire 30 credit points.

In the summer semester (1st or 2nd semester), a core module is offered. The operational processes are reflected in their complex entirety. The focus is the holistic and interdisciplinary consideration of

the product. The core module is created as a cross-course module with combined, interdisciplinary courses, projects and case studies.

In the winter semester, students can specialize in a focus module according to their personal inclinations in the technical or business area. In all orientations, the focus is on the product and the processes that are arranged around it. The focus modules are supplemented by elective modules (also language courses) and interdisciplinary, team-oriented project works or case studies. In Ansbach, the focus "Technologies" is offered. With this specialisation in the technical field, students can qualify as intermediaries between the disciplines of engineers and businesspeople. At the TH Valencia, the focus is on "Service Management".

The last semester concludes the course with the preparation of a master's thesis.

Because of the international cooperation, the language of instruction is English.

Graduation / Academic degree:

Master of Arts (M.A.)

2 Description of Modules

2.1 Core Modules

Module abbreviation:	IPM-ProductManagement	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)	compulsory mo- dule	1
Responsible for module:			
Lecturers:	Eichinger, Roberto; Hedderich, Barbar lauch, Anke; Schnurpfeil, Roland; Schu	-	
Language of instruction:	English		
Credit points / SWS:	30 ECTS / 15 SWS		
Workload:	Contact hours:		270 h
	Self-study:		630 h
	Total:		900 h
Subjects of the module:	Product Management (IPM-ProductM	lanagement)	
Lecture types:	1: Prj - Projekt		
Examinations:	seminar paper and presentation (duri Management) None	ng the examination perio	od) (IPM-Product-
Prerequisites according e	xamination regulation:		
According to the study a	nd examination regulations and the study	/ plan	
Recommended prerequis	ites:		
None			
Objectives:			
	equainted with all relevant topics concern ould especially know how interdepender		
The students are able to by projects in the area o	organize themselves into efficient groups f product development. luate their own progress and develop str		
Social skills: Students enhance their t They are able to work in	eam competence. intercultural environments. ommunicating in interdisciplinary settings	5	
Content:			
and as far as possible inc and will be there for the to require students to at	es project work with theoretical stimuli. Iependently. They will be attended to by students whenever difficulties and quest tend to all the tasks required in a comple the interdependences of a real life project	a coach who will introdu ions arise. The project is te product process thus	ce into the project complex enough enabling them to

way all relevant aspects of the product process. Therefore theoretical stimuli will be offered to the students parallel to the project work. Those stimuli give some relevant theoretical background and confront students with some examples of current research work allowing them some insights and possibilities for reflection even into those parts of the product process that might not be present or not in the foreground of their own project. At the same time the students get through the stimuli the chance to know our experts in those fields relevant to their project who will also be available for questions that might arise during their own project work.

The project will always be a product or a service that has developed for market launch. It can be a product or a service offered to us by a firm or it can be one that we hope might be marketable. Projects will always start with describing to the group a problem and the development of a convincing solution during the semester will be expected. Depending on the concrete project there will be challenges from different areas to be confronted while preparing designs, technical solutions and a business plan. The development of the solution has to be presented in three milestones.

The first milestone will have a didactic character in the sense that students will get a feedback showing them areas where they have to develop further. Grades will take into account that this is the first feedback opportunity for the students. The presentations of the other two milestones will be evaluated following strictly professional criteria. In the last milestone a finished business plan has to be presented. According to the different phases of the product process the stimuli offer the following subjects:

- Innovation: An introduction of the two relevant perspectives will be offered. The economic perspective
 allows students to classify their own project according to different approaches that are currently discussed. Apart from the economic content work with research tools will be introduced. The business perspective offers some insights into change management and the necessity of customer orientation of innovation.
- Product Development and Planning: Some insights into technological and business determinants for preparing the marketability of products, introduction into some relevant methods like the KANO model
- Product Realisation: Planning the layout of the plants and the workflow of the production process. Looking at concepts like lean production and the interdepence of the development and the production of the products.
- Sales, Service and Product Disposal: Concepts of technical sales will be introduced, current issues discussed, soft skills like intercultural skills will also mentioned.

Literature:

Will be specified at the beginning

2.2 Focus Modules

Technology

Biomaterials in Medicine				
Module abbreviation:	IPM-BiomaterialsinMedicine	Reg.no.:		
Curriculum:	Programme	Module type	Semester	
	International Product and Service Management (SPO WS 16/17)		1	
Responsible for module:	Boger, Andreas			
Lecturers:	Boger, Andreas			
Language of instruction:	English			
Credit points / SWS:	5 ECTS / 2 SWS			
Workload:	Contact hours: 45 H		45 h	
	Self-study:		105 h	
	Total:		150 h	
Subjects of the module:	Biomaterials in Medicine (IPM-Biomat	erialsinMedicine)		
Lecture types:	1: SU - seminaristischer Unterricht			
Examinations:	written exam, 60 minutes (IPM-BiomaterialsinMedicine)			
	None			
Prerequisites according ex	amination regulation:			
News				

None

Recommended prerequisites:

None

Objectives:

Professional Skills:

Background on Biomaterials used in Medicine as described in content.

- Making a research on a topic / question for themselves, followed by sharing and discussing the findings with the other participants (think-per-share).
- By doing the research the students will learn to evaluate a special application concerning the questions:
 - o do it really address a clinical need,
 - what are the relevance for the patients,
 - what are the pros and cons. Possible drawbacks and risks for the user of the product and the patient
 - \circ ~ how the IP-situation looks like on the field of application

Social Skills:

The one connected to the teaching method think-per-share as mentioned above. The student has the competence to synthesize information from a wide range of sources, is able to present and document the work results systematically and is a team player.

Content:

Introduction to Biomaterials in Medicine by the contents asking the following questions:

- Why do we need / for what do we need Biomaterials especially in orthopedic: goals of fracture treatment?
- How Biomaterials are defined?
- Out of what materials (metals, ceramics, polymers, composite) Biomaterials made for a given application and why?
- Which different kinds as defined by the origin of the Biomaterials exists ?
 - Synthetic Biomaterials, Allografts, Autografts, Xenografts etc.
- What are the special properties from those materials?
- What are the different applications of Biomaterials in Medicine and open questions behind them?
- What are the reason behind; using the Biomaterial (material group) for the given application (several examples will be discussed)?.
- How to define and describe the functional and Design requirements of Biomaterials products in principle?

- BÁRTOLO, Paulo Jorge and Bopaya BIDANDA, 2008. *Bio-materials and prototyping applications in medicine*. New York, NY: Springer. ISBN 978-0-387-47682-7, 9780387476834
- RATNER, Buddy D. and others, 2004. *Biomaterials science: an introduction to materials in medicine*. 2. edition. Amsterdam [u.a.]: Elsevier, Academic Press. ISBN 0-12-582463-7, 978-0-12-582463-7
- Without author. *Biomaterials Journals* [online]. [Accessed on:]. Available via: http://www.sciencedirect.com/science/journal/01429612

Chemical and Biotechnological Products and Production Processes				
Module abbreviation:	IPM-ChemBiotechnoProd	Reg.no.:		
Curriculum:	Programme	Module type	Semester	
	International Product and Service Management (SPO WS 16/17)		1	
Responsible for module:	Gaisser, Sibylle			
Lecturers:	Gaisser, Sibylle; Wilisch, Christian			
Language of instruction:	English			
Credit points / SWS:	5 ECTS / 4 SWS			
Workload:	Contact hours:		45 h	
	Self-study:		105 h	
	Total:		150 h	
Subjects of the module:	Chemical and biotechnological produc	ts and production proc	cesses	
Lecture types:	1: SU/Pr - seminaristischer Unterricht/	/Praktikum		
Examinations:	2 presentations and essay/ documentation/ poster for each of the presentations			
Prerequisites according ex	amination regulation:			

According to the study and examination regulations and the study plan

Recommended prerequisites:

Basic understanding in natural sciences

Objectives:

Knowledge: The students are familiar with additive manufacturing and enzymatic, prokaryotic and eukaryotic production systems in the chemical and pharmaceutical sector. The students will understand the nature and the current state of the art of additive manufacturing. They have broad knowledge of the drug developmental pipeline, the applied research tools and develop an understanding of the mode of action of biopharmaceutical products.

Professional Skills: Students are able to assess additive manufacturing strategies and biotechnological processes and their implications for an industrial production process. They have basic skills in some aspects of practical microbiological methods and polymerization methods. The students will be able to select appropriate methods of additive manufacturing, depending on the specific requirements for the part(s) in question.

Social Skills: Students are able to carry our independent literature search in a new biotechnology related subject. The students will be able to appreciate the use of additive manufacturing. They can classify and structure the obtained material and are able to present and discuss their results in a case study presentation.

Content:

The course is split in two parts.

Part 1: Additive Manufacturing – more than 3D printing:

- polymerization methods
- sintering/melting-based methods
- lamination methods
- extrusion-based methods
- powder/binder methods

- additive manufacturing for biological systems
- applications for rapid prototyping/tooling/manufacturing

Part 2_ Biotechnological Production

Introduction to biotechnology in general and with a focus on the pharmaceutical sector, relevant markets and products (e.g. drugs, vitamins, OTC-products).

- Basics in biology
- Introduction into genetic engineering
- The immune system
- General knowledge of production methods such as fermentation and biotransformation
- Bioproduct purification

Legal requirements for recombinant protein production

Literature:

- WALSH, Gary, 2008. Pharmaceutical biotechnology: concepts and applications. R. edition. Chichester, England: Wiley. ISBN 978-0-470-01244-4, 0-470-01244-7
- THIEMAN, William J. and Michael A. PALLADINO, 2020. Introduction to Biotechnology. F. edition. Harlow:
 - Pearson Education Limited. ISBN 978-1-292-26177-5
- GEBHARDT, Andreas and Jan-Steffen HÖTTER, 2016. Additive manufacturing: 3D printing for prototying and manufacturing. Munich: Hanser Publications. ISBN 978-1-5231-0442-0, 1-5231-0442-2

More literature will be specified at the beginning of the course

Computer Simulation Technologies and Control Engineering			
Module abbreviation:	IPM-CompSimulTechnoContrEngi	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Moog, Mathias		
Lecturers:	Moog, Mathias		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours: Self-study: Total:		49 h 101 h 150 h
Subjects of the module:	Computer Simulation Technologies an TechnoContrEngi)	d Control Engineering	(IPM-CompSimul-
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 60 minutes (IPM-Comp None	SimulTechnoContrEngi)
Prerequisites according ex	amination regulation:		
According to the study an	d examination regulations and the study	plan	
Recommended prerequisit	es:		
None			
Objectives:			
- understand and judge th		ious application fields	opment
Professional skills: They are - familiar with basic conce	epts of computer simulation ct simulation techniques and the adequa		complex problems
- distribute tasks and to c	d intelligibly about the use of computer s oordinate individual tasks with a team in uestions to simulation experts		
Knowledge: The aim of the lecture is t	o give an introduction to control engined to gain an overview of the topics single	-	

principle and on the other hand to get experienced with common control systems, actuators and sensors in real systems. Furthermore, a very broad overview is given on computer controlled machines.

Professional Skills:

The students understand the principles and differences of single loop control systems and feedback loop control systems. By means of an integrated practical training, including three units, they are trained in the basics of pneumatics and designing of a pneumatic system (consisting of sources, drives, sensors and logic elements), corresponding to a simple control problem. The participants understand the principles of programmable logic controllers (PLC).

Social Skills:

The students learn cooperation and mutual learning especially in the practical training units. Furthermore, they extend their English vocabularies by many technical terms and use them frequently in technical discussions.

Content:

Computer Simulation Technologies Content:

- Reasons for the use of computer simulation
- Classification of simulation tools, engineering and applications
- Dynamical systems, models of growth, parameter sensitivity
- Modelling e.g.: CO2 in atmosphere
- Process control simulation
- Event Driven Systems: state charts, application fields
- Introduction to statistical models

Control Engineering Content:

- Control Systems
- Sensors and Actuators
- Signals and Systems
- Feedback Control Systems
- Computer-controlled Machines
- Automated Process Control

- VELTEN, Kai, 2009. *Mathematical modeling and simulation: introduction for scientists and engineers*. Weinheim: WILEY-VCH. ISBN 978-3-527-40758-3, 3-527-40758-8
- GOULD, Harvey, Jan TOBOCHNIK and Wolfgang CHRISTIAN, 2007. An introduction to computer simulation methods: applications to physical systems. 3. edition. San Francisco; Munich [u.a.]: Pearson-Addison-Wesley. ISBN 0-805-37758-1
- HANNON, Bruce and Matthias RUTH, 2001. *Dynamic modeling*. 2. edition. New York [u.a.]: Springer. ISBN 0-387-98868-8
- GERSHENFELD, Neil A., 2003. *The nature of mathematical modeling*. R. edition. Cambridge [u.a.]: Cambridge Univ. Press. ISBN 0-521-57095-6

- ACHESON, David J., 1997. From calculus to chaos: an introduction to dynamics. Oxford [u.a.]: Oxford Univ. Press. ISBN 0-19-850257-5, 0-19-850077-7
- NISE, Norman S., 2011. *Control systems engineering*. 6. edition. Hoboken, N.J.: Wiley. ISBN 978-0-470-64612-0
- TEWARI, Ashish, 2002. *Modern control design with MATLAB and SIMULINK*. Chichester: John Wiley. ISBN 0-471-49679-0
- BRAMER, Max A., 2007. *Principles of data mining*. London: Springer. ISBN 978-1-84628-765-7, 1-84628-765-0
- WILKIE, Jacqueline, Michael JOHNSON and Reza KATEBI, 2002. *Control engineering: an introductory course*. 1. edition. Basingstoke [u.a.]: Palgrave. ISBN 0-333-77129-X, 978-0-333-77129-7
- HOOPER, Jay F., 2013. *Basic pneumatics: an introduction to industrial compressed air systems and components*. R. edition. Durham, N.C.: Carolina Academic Press. ISBN 978-1-61163-411-2, 1-61163-411-3
- BOLTON, W., 2009. *Programmable logic controllers*. 5. edition. Oxford: Newnes. ISBN 978-1-85617-751-1, 1-85617-751-3

Food Technology			
Module abbreviation:	IPM-Food Technology	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Knoblauch, Anke		
Lecturers:	Knoblauch, Anke		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		48 h
	Self-study:		102 h
	Total:		150 h
Subjects of the module:	Food Technology (IPM-Food Technolog	şy)	
Lecture types:	1: SU/Ü/Pr - seminaristischer Unterrich	nt/Übung/Praktikum	
Examinations:	seminar paper and presentation (IPM-I	Food Technology)	
	None		
Prerequisites according ex	amination regulation:		
None			
Recommended prerequisit	es:		
None			
Objectives:			
sis, nutrition, food packag consider aspects of sustai Professional skills: The student understands view. New fields of knowl Social skills: The student has the comp	sses for food production as well as some ging and food hygiene. The student is able nability. food production processes, can discuss a edge can be developed, presented, analy betence to synthesize information from a lts systematically and can work as team p	e to describe and evalue nd analyse them from sed and discussed. wide range of sources,	ate processes and different points of
Content:	. ,	•	
Current topics in the field	of food technology, examples are choser	n from the following ar	eas:
• flow charts		0	
• influence of processi	ng parameters		
-	xample drying, freezing, separation proce	esses)	
		,	
quality management			

• nutritional aspects

- sensory analysis
- packaging
- hygiene and food preservation
- sustainability

- VACLAVIK, Vickie, Elizabeth W. CHRISTIAN and Tad CAMPBELL, 2021. *Essentials of Food Science*. 5. edition. Cham: Springer. ISBN 978-3-030-46813-2
- CAMPBELL-PLATT, Geoffrey, 2018. *Food science and technology*. S. edition. Hoboken, NJ, USA: Wiley Blackwell. ISBN 978-0-470-67342-3

Introduction to Ch	emistry and Physics for Non-	Scientists	
Module abbreviation:	Intr. to Chem. and Physics f. Non Scientists	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Hedderich, Barbara		
Lecturers:	Rychkov, Dmtry; Wilisch, Christian		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		60 h
	Self-study:		90 h
	Total:		150 h
Subjects of the module:	Introduction to Chemistry and Physics Physics f. NonScientists)	for Non-Scientists (Int	r. to Chem. and
Lecture types:	: SU - seminaristischer Unterricht		
Examinations:	seminar paper and presentation (Intr. to Chem. and Physics f. NonScientists) None		
Prerequisites according ex	amination regulation:		
According to the study ar	nd examination regulations and the study	plan.	
Recommended prerequisi	tes:		
None			
Objectives:			
cally aimed at non-scient	scientific principles is essential in our tec ists or non-engineers to help them gain s between project scientists and product n	ufficient understanding	-
Content:			
ria, catalysis, introduction	natter, types of chemical bonds, nuclear n to organic chemistry, chemistry and the f: mechanics, electricity and magnetism,	environment	
Literature:			
	., Harold Eugene LEMAY and Bruce Edwar Harlow: Pearson. ISBN 978-1-292-22132-		emistry: the central
	el J., 2007. Fundamental concepts of phy		BrownWalker Press.
	33-0, 978-1-59942-434-7	,	
• CHAICHIAN, Masud,	Hugo PEREZ ROJAS and Anca TUREANU, 2	2014. Basic concepts in	physics: from the

Plastics Processing	Technology		
Module abbreviation:	IPM-PlasticsProcessingTech	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		
Responsible for module:	Sover, Alexandru		
Lecturers:	Sover, Alexandru		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	Plastics Processing Technology (IPM-P	lasticsProcessingTech)	
Lecture types:	1: Tuition in Seminars / practical traini	ng	
Examinations:	written exam, 90 minutes (IPM-Plastic	sProcessingTech)	
	None		
Prerequisites according ex	amination regulation:		
None			
Recommended prerequisi	tes:		
None			
Objectives:			
as well as their economic plications. Professional Skills: The students are able to cessing technologies used Social Skills:	edge of the basics of plastic materials, the importance. They understand the main p understand the difference between the e d for the production of different compone cation skills by solving tasks in small grou	production methods an ssential plastic materia ents.	d the possible ap-
Content:			
Introduction to plast	ics materials (structure, monomers, poly	mers)	
	onomic importance of polymer materials	-	
•	tics (thermoplastics, thermosets and elas		ucture and proper-
ties)			
 Rheology (brief overview) 			
Rheology (brief over	view)		
	s: Extrusion; Injection Moulding; Thermof	orming; Casting; Rapid	prototyping

- Plastic assembly techniques (welding)
- Applications with examples
- Recycling

- OSSWALD, Tim A., 2017. Understanding polymer processing: processes and governing equations. 2. edition. Munich: Hanser Publishers. ISBN 978-1-56990-647-7, 1-56990-647-5
- AGASSANT, Jean-François, Pierre AVENAS and Pierre J. CARREAU, 2017. *Polymer processing: principles and modeling*. 2. edition. Munich ; Cincinnati: Hanser. ISBN 978-1-56990-605-7

2.3 Elective Modules

Module abbreviation:	IPM-BusinEnglAdvanWritCultStud	Reg.no.:		
Curriculum:	Programme	Module type	Semester	
	International Product and Service Management (SPO WS 16/17)		1	
Responsible for module:	McIntosh, Sabine			
Lecturers:	McIntosh, Sabine			
Language of instruction:	English			
Credit points / SWS:	5 ECTS / 4 SWS			
Workload:	Contact hours: Self-study: Total:		24 h 126 h 150 h	
Subjects of the module:	Business English - Advanced Writing an vanWritCultStud)	nd Cultural Studies (IPN	M-BusinEnglAd-	
Lecture types:	1: SU - seminaristischer Unterricht			
Examinations:	written exam, 90 minutes (IPM-BusinEnglAdvanWritCultStud) None			
Prerequisites according ex	amination regulation:			
According to the study ar	d examination regulations and the study	plan		
Recommended prerequisit	ies:			
	ling to the European Frame of Reference sed Written and Oral Communication Ski		of Business Admin-	
Objectives:				
Professional and method	ological competence			
• Acquisition of the ab	lity to work in an international/English-s	peaking company by co	onsolidating technica	
terminology				
Operational competence				
	ten and oral communicative competence	e in the foreign languag	ge	
Social competence Ability to integrate in inte cultural aspects.	rnational companies by acquiring in-dep	th language skills and l	knowledge of inter-	
Content:				
Analysis and discuss	on of texts dealing with the economic se	ctor or cultural aspects	S	
	ng of the writing process and writing tec			
-	text production and creative writing with			

- Stylistic elements of text production and creative writing with special regard to sentence structure and punctuation
- Analysis and evaluation of differences in intercultural communication

- Who are we cultural backgrounds, attitudes and values
- Identifying the challenges faced by people working in an intercultural environment
- Dimensions of culture: some models

Will be specified at the beginning

Module abbreviation:	IPM-BusEnglOralComSkills	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	McIntosh, Sabine		
Lecturers:	McIntosh, Sabine; Zürn, Martina		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		48 h
	Self-study:		102 h
	Total:		150 h
Subjects of the module:	Business English - Oral Communication	n Skills (IPM-BusEnglOra	alComSkills)
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	oral exam, 15 minutes (IPM-BusEnglOralComSkills)		
	None		
Prerequisites according ex	amination regulation:		
According to the study an	d examination regulations and the study	plan.	
Recommended prerequisit	es:		
Students of Business Adm	inistration should have passed Written C	Communication Skills	
Objectives:			
Professional and methodo	ological competence:		
Ability to speak fluen	tly in English using appropriate grammar	, vocabulary and pronu	nciation on an inter-
mediate to advanced	level		
Operational Competence			
• Ability to use spoken	English in a business and international c	ontext	
Social Competence			
Understanding of inte	ercultural aspects		
Content:			
In this course, students w prove their listening skills	ill improve their proficiency, accuracy an	d vocabulary in spoken	English and im-
Introduction into reg	ional and cultural aspects of English spea	king countries with spe	ecial emphasis on in-
tercultural aspects ar	nd behaviour		
Improvement of Engl	ish language functions such as requestin	g, greeting, clarifying, a	pologizing, inviting
and so on in business	situations (face to face)		
 Organizing or running 	g a debate or discussion and stating one's	s own opinion in busine	ess situations (meet-

- Ability to understand difficult and complex subjects and to rephrase them (telephoning)
- Making and delivering a presentation
- Interpreting and explaining graphs and charts

Will be specified at the beginning

Module abbreviation:	IPM-BusEnglWrittComSkills	Reg.no.:		
Curriculum:	Programme	Module type	Semester	
	International Product and Service Management (SPO WS 16/17)		1	
Responsible for module:	McIntosh, Sabine			
Lecturers:	Gilg, Andrea	Gilg, Andrea		
Language of instruction:	English			
Credit points / SWS:	5 ECTS / 4 SWS			
Workload:	Contact hours:		48 h	
	Self-study:		102 h	
	Total:		150 h	
Subjects of the module:	Business English - Written Communica	ition Skills (IPM-BusEn	glWrittComSkills)	
Lecture types:	1: SU - seminaristischer Unterricht			
Examinations:	written exam, 90 minutes (IPM-BusEn	glWrittComSkills)		
	None			
Prerequisites according ex	camination regulation:			

Recommended prerequisites:

English knowledge according to the European Frame of Reference level B2/C1

Objectives:

Professional and methodological competence

• Acquirement of intermediate to advanced skills in written interaction using appropriate terminology and expressions in business contexts.

Operational competence

• Ability to use the English language in relation to a specialized and professional context in an international environment.

Social competence

• Awareness of intercultural differences and diversity

Content:

- Repetition and consolidation of grammatical knowledge and emphasis on syntactical structures
- Expansion of basic language skills and proficiency
- Analysis and discussion of specially selected authentic articles from magazines, newspapers and textbooks
- Expansion of language skills with regard to specific and general business situations

- Individual writing of texts with a focus on business and economic topics on the one hand and on the requirements of later professional life on the other hand. Writing business letters in English is a major objective of this class.
- Knowledge of the internationally used terminology (INCOTERMS)

• WESSELS, Dieter, 2004. *Commercial Correspondence - Advanced Commercial Correspondence - B2/C1*. Berlin: Cornelsen. ISBN 978-3-464-02790-5

Module abbreviation:	IPM-BusinessExcellence	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Kaiser, Norbert		
Lecturers:	Kaiser, Norbert		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 2 SWS		
Workload:	Contact hours: Self-study: Total:		45 h 105 h 150 h
Subjects of the module:	Business Excellence (IPM-BusinessExce	ellence)	
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	seminar paper and presentation (IPM-BusinessExcellence)		
	None		
Prerequisites according ex	amination regulation:		
According to the study a	nd examination regulations and the study	plan	
Recommended prerequisi	tes:		
None			
Objectives:			
factor based framework systematic corporate dev (KPI) and are getting acqui ment are focused as kick Professional Skills: Students are able to get a able to identify the drive are measured by appropusing the EFQM Excellent licensed assessor training Social Skills: The students are able to	amiliar with success factor analysis and the for corporate management. They underst relopment, identify cause and effect chair uainted with EFQM's Business Excellence off concepts for corporate change. A holistic view of an organization by using rs for an organization's future success, ho riate key performance indicators. Student ce Model. They have the skills for using the ss. discuss case study results in groups, achie inal work results as a team in their resear	and model criteria and ns by using Key Perform concepts. Benchmarkin the EFQM Excellence w approaches are dep ts learn how to assess a ne lecture as a drive-up eve consensus by critic	l criterion parts for a nance Indicators ng and Self-Assess- Model. They are loyed and results an organization by o ramp for EFQM's
Content:		, p. eject.	
Introduction to Succ	ess Factor Research and Success Factor A	nalysis,	
	odel - Model Development, Critera, Criter	•	

- Case Study Good Practice Analysis and Presentation,
- Self-Assessment und Change Management,

Benchmarking - Methodology and Practical Case Study.

Literature:

•

• Without author. *EFQM Publications* [online]. Brussels: EFQM [Accessed on:]. Available via: https://www.efqm.org/

Module abbreviation:	IPM-BusinGermOralCommunSkil	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Zürn, Martina		
Lecturers:	Junek, Teresa		
Language of instruction:	German		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours: 45 h		
	Self-study: 105 h		
	Total:		150 h
Subjects of the module:	Business German - Oral Communicatio	on Skills (IPM-BusinGei	rmOralCommunSkil)
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	oral exam, 15 minutes (electronic remote exam § 2 Abs. 3 BayFEV) (IPM- BusinGermOralCommunSkil) None		
Prerequisites according ex			
None			
Recommended prerequisi	tes:		
	ninistration should have passed Written C	Communication Skills	
Objectives:	·		
Knowledge:			
 Professional and met 	hodological competence,		
 Improvement of the 	lexical and grammatical knowledge of the	e German language	
Professional Skills:			
• To be able to meet the	ne requirements in one's studies, everyda	ay life and business in	writing as well as
orally			
Soft Skills:			
To be able to take part in	student life, business and spare time act	ivities	
Content:			
• Relevant oral skills in	difficult everyday situations, study and b	ousiness	
Improvement of artic	culation and intonation, use of non-verba	l and para-verbal skill	S
 Detailed knowledge i 	n the correct use of prepositions		
 Clarification of verba 	l structures, verbs with prefixes		

Oral presentations

- FÖLDEAK, H., 2001. Sags besser! Arbeitsbuch für Fortgeschrittene Teil 2. ISBN 978-3190074549
- HALL, K. and B. SCHEINER, 2001. Übungsgrammatik Deutsch als Fremdsprache für Fortgeschritten . 1. edition. Ismaningen: Hueber / Verlag für Deutsch. ISBN 9783190074488

Module abbreviation:	IPM-BusinGermWrittCommunSkil	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Zürn, Martina		
Lecturers:	Schmidt, Budimir		
Language of instruction:	German		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	Business German - Written Communication Skills (IPM-BusinGermWrittCom- munSkil)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 90 minutes (IPM-BusinGermWrittCommunSkil) None		
Prerequisites according ex	amination regulation:		
	nd examination regulations and the study	plan	
Recommended prerequisi			
None			
Objectives:			
mar knowledge of the Ge Professional Skills: To be able to meet oral a taught in German Social Skills:	nd methodology: Ability to activate, reinforman language nd written standards needed for successi e in day-to-day activities of student life as	ful participation in acad	
Content:	, ,		
• Listening comprehen	sion of advanced audio and video materi culture and civilization; oral and written r	-	-
• Ability to answer que	estions and complete tasks based on adva	anced texts, interpretat	ion of graphs, pro-
	ns or summaries, writing reports		
• Knowledge of noun-	verb complements and ability to produce	and transform tempora	al, causal, condi-
tional, concessive, fir	nal and modal relations		

- FÖLDEAK, Hans, . Sag`s besser! Arbeitsbuch für Fortgeschrittene Teil 1. 2. edition. Ismaningen: Hueber Verlag. ISBN 978-3-19-007453-2
- DREYER, and SCHMITT, . *Lehr- und Übungsbuch der deutschen Grammatik*. 1. edition. Ismaningen: Hueber Verlag. ISBN 978-3193072559

Module abbreviation:	IPM-BusinSpanOralCommunSkil	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Gebhard, Christian		
Lecturers:	Gebhard, Christian		
Language of instruction:	Spanish		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours: 45 h		
	Self-study: 105 h		
	Total:		150 h
Subjects of the module:	Business Spanish - Oral Communicatio	n Skills (IPM-BusinSpan	OralCommunSkil)
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	oral exam, 15 minutes (IPM-BusinSpan	oralCommunSkil)	
	None		
Prerequisites according ex	amination regulation:		
According to the study an	d examination regulations and the study	plan	
Recommended prerequisit	tes:		
None			
Objectives:			
Qualification aims:			
• Gaining fluency in ora	al communication in business contexts or	n an intermediate to ad	lvanced level
• Using Spanish approp	priately in given business related contexts	5	
• Consolidation of inte	rcultural competence		
Knowledge:			
• Students know techn	ical vocabulary for oral communication for	or business purposes (p	presentations, tele-
phone conversations	, etc.)		
• Students know gram	mar structures of the Spanish language as	s indicated below	
 Students gain an insignation of the second state of t	ght into business structures and financial	issues of the Spanish s	peaking world
	knowledge about Spanish speaking count	tries in formal situation	IS
	isiness contacts in the Spanish speaking v		
Social skills:	isiness contacts in the spanish speaking v	voriu	
		antah analitaP	-
 Students understand 	and apply the communication style of Sp	banish speaking culture	5

• Students work together in small groups

Content:

- Consolidation and broadening of grammatical structures
- Practicing oral communication in business contexts with a special focus on strategies and behavior for discussions, presentations and phone calls, both alone and in teams
- Business subjects will be treated highlighting their cultural specifities on the background of a particular Spanish speaking country
- Practicing fluent and appropriate oral expressions of summarizing and describing complex facts and circumstances and expressing one's personal opinion

Literature:

Teaching Material:

• Script

Recommended:

- Meta profesional. B1.
 - .1 Kursbuch + Audio-CD: 978-3-12-515470-4
 - .2 Übungsbuch + Audio-CD: 978-3-12-515471-1
- Tano, Marcelo (2009): Expertos. Curso avanzado de español orientado al mundo del trabajo. Difusión/Klett.
 - **.1** Libro del alumno + Audio-CD + DVD: 978-3-12-515595-4 (3-12-515595-9)
 - **.2** Cuaderno de ejercicios + Audio-CD: 978-3-12-515596-1
- Abegg, Birgit / Martínez Cestero, Antonio (2006): Comunicación empresarial. Hueber.
 - **.1** Students' book: 978-3-19-004030-8
 - .2 Audio-CD: 978-3-19-034030-9

Additional material will be distributed via the web-based learning platform ILIAS.

Module abbreviation:	IPM-BusinSpanWrittCommunSkil	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Gebhard, Christian		
Lecturers:	Gebhard, Christian		
Language of instruction:	Spanish		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:45 hSelf-study:105 hTotal:150 h		
Subjects of the module:	Business Spanish - Written Communication Skills (IPM-BusinSpanWrittCommun- Skil)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 90 minutes (multiple ch munSkil) None	oice § 8 c APO) (IPM-B	usinSpanWrittCom-
Prerequisites according exa			
	d examination regulations and the study	plan	
Recommended prerequisit			
None			
Objectives:			
Knowledge:			
• Students know techni	ical vocabulary for written communicatio	on for business purpose	es (letters, newspa-
per articles, application	ons, etc.)		
• Students know grammer	nar structures of the Spanish language as	s indicated below	
• Students gain an insig Professional Skills:	ht into business structures and financial	issues of the Spanish s	peaking world
• Students apply their k	nowledge about Spanish speaking count	ries in formal situatior	IS
• Students establish bu Social Skills:	siness contacts in the Spanish speaking v	vorld	

Content:

- Practicing different strategies for handling and understanding economic texts from course books, journals, the business section of papers and economic publications of governmental institutions or trade organisations
- Debate and written discussion of articles related to business topics from the press
- Composition of simple short essays, summaries and comments on business topics
- Revision and consolidation of grammar structures
- Two topics related to national economics will be treated in class
- The Modules Business Spanish 1 Written Communication Skills and Business Spanish 2 Oral Communication Skills should enable the student to communicate in business contexts using the appropriate language.

Business Spanish 1 - Oral Communication Skills is focused on the written language and economic contexts.

Literature:

- , 2015. Meta profesional B1: Spanisch für den Beruf. Kursbuch + Audio-CD (Meta profesional: Spanisch für den Beruf). ISBN 978-3125154704
- ABEGG, Birgit and Antonio Martínez CESTERO, 2005. *Comunicación empresarial: Spanische Handelskor*respondenz für die Berufspraxis / Kursbuch. ISBN 978-3190040308
- ABEGG, Birgit and Antonio Martínez CESTERO, . Comunicación empresarial Spanische Handelskorrespondenz für die Berufspraxis / Audio-CD. ISBN 978-3-19-034030-9
- TANO, Marcelo, 2009. Expertos. Curso avanzado de español orientado al mundo del trabajo (Libro del alumno+Audio CD). ISBN 978-3-12-515595-4
- TANO, Marcelo, 2010. Expertos. Curso avanzado de español orientado al mundo del trabajo. Cuaderno de ejercicios + Audio-CD. ISBN 978-3-12-515596-1

Module abbreviation:	IPM-CrossCulturMgmtComm	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Schugk, Michael		
Lecturers:	Schugk, Michael		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours: Self-study: Total:		45 h 105 h 150 h
Subjects of the module:	Cross-cultural Management and Comr	nunication (IPM-Cross	CulturMgmtComm)
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 90 minutes and seminal None	r paper (IPM-CrossCult	urMgmtComm)
Prerequisites according e	xamination regulation:		
According to the study a	nd examination regulations and the study	plan	
Recommended prerequis	ites:		
None			
Objectives:			
Knowledge:			
 Knowledge of extension practices Professional Skills: 	sive theoretical basics for identification of	intercultural differenc	es and management
 Capability to select s practice 	ituation specifically the relevant theoreti	cal basics for different	situations in business
• Capability to apply s agement for problem Social Skills:	ituation specifically the relevant theoretic n-solving	cal basics in the field of	cross-cultural man-
• Development of inte	ercultural (communication) competence		
Content:			
Intercultural manifesta	in regard to the culture term tions and instruments for interpersonal ir dies according to Kluckhohn and Strodtbe		

• In	tercultural communication psychology
Lite	erature:
•	BROWAEYS, Marie-Joëlle and Roger PRICE, 2011. <i>Understanding cross-cultural management</i> . 2. edition. Harlow ; Munich [u.a.]: Prentice Hall. ISBN 978-0-273-73295-2

Module abbreviation:	Data science and empirical re- search	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Dauth, Christine		
Lecturers:	Dauth, Christine		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		52 h
	Self-study:		98 h
	Total:		150 h
Subjects of the module:	Data science and empirical research in business and economics (Data science and empirical research)		
Lecture types:	1: SU - seminaristischer Unterricht/Übung		
Examinations:	seminar paper (Data science and emp	irical research)	
	Prerequisite for the granting of credit points is the passing of the resp module examination in accordance with the SPO resp. study plan.		

None

Recommended prerequisites:

Basic statistics

Objectives:

Expertise and methodological skills:

Students become familiar with different data types and with one data set, the Linked Personnel Panel, in particular. They learn how to handle the programming language R in order to conduct basic descriptive analyses. They learn how to write and structure an empirical research paper and know the major guidelines of academic writing.

Practical skills:

This course enables students to conduct basic data analyses. They can critically assess the validity of other empirical results that they are confronted with in corporate environments and can distinguish between correlation and causation. They will create value-added for firms with their ability to familiarize themselves quickly with new complex tasks, sort information, and comprehensively vizualize and present results. In the short run, this course prepares the students to write an (empirical) master thesis and makes them more attractive for firms who look for interns or employees. In the medium run, this course is a good preparation for continuouing courses in data analysis, and in the long run, this course prepares students for a carrer in data science-related jobs.

Social skills:

Working in groups, students practice their communication and team working skills. They learn to self-organize their workload and train their skills in time manangement to successfully and jointly finish the project. This will improve their self-esteem.

Content:

The progressing digitization implies that institutions and firms collect more and more data, for example, on production processes, employees, and customers. Firms can use these data to better forecast business developments or to analyze the impact of managment decisions.

In this practical course, students learn hands-on how to handle and exploit real data in order to answer business-related problems. The students apply basic statistical methods and the programming language R and learn to distinguish between correlation and causality. Moreover, students learn how to vizualize, document, and present the results of their data analysis comprehensively in a structured research paper.

The course comprises lectures and practical sessions. Moreover, groups of students analyze data themselves to answer a given research question. Grading is based on a five page thesis (excluding tables and figures) that summarizes the results of the group work.

The major outline of the course :

- Why conduct empirical research?
- Introduction to the Linked Personnel Panel (LPP) and the programming language R
- Dealing with complex data (data management, data preparation, data analysis)
- Structuring a research paper/thesis
- Tipps for academic writing

Literature:

• KRONTHALER, Franz and Silke ZÖLLNER, 2021. *Data analysis with RStudio: an easygoing introduction*. Berlin, Germany: Springer Spektrum. ISBN 978-3-662-62517-0, 3-662-62517-2

E-Business			
Module abbreviation:	IPM-EBusiness	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Knüpffer, Wolf		
Lecturers:	Knüpffer, Wolf		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 2 SWS		
Workload:	Contact hours: Self-study: Total:		23 h 127 h 150 h
Subjects of the module:	E-Business (IPM-EBusiness)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 90 minutes (IPM-EBusin None	ess)	
Prerequisites according ex	amination regulation:		
None			
Recommended prerequisi	tes:		
None			
Objectives:			
in the "new economy" an of methods to manage e- Professional Skills: The students are able to o velop concepts of sustain	the potentials and limits of e-business. T d the basic structure business models in business projects. evaluate the business models of existing able e-business solutions. They are famili nplement and operate such solutions.	e-business and they ha offerings on the interne	ve basic knowledge et and they can de-
	vith the most important impacts of e-bus ithin e-business project teams and know		
Content:			
Introduction to	e-business (definition and potential, mos	t important current dev	velopments),
 Impacts of e-bus 	siness on society and vice versa,		
• Evaluation and d	levelopment of business models for e-bu	siness,	
Characteristics a	nd management of e-business projects,		

- CHAFFEY, Dave, 2009. *E-business and e-commerce management: strategy, implementation and practice*.
 4. edition. Harlow [u.a.]: FT Prentice Hall. ISBN 978-0-273-71960-1 (pbk.), 0-273-71960-2 (pbk.)
- TURBAN, Efraim, 2010. *Electronic commerce 2010: a managerial perspective*. 6. edition. Boston ; Munich u.a.: Pearson. ISBN 978-0-13-703465-9, 0-13-703465-2

Module abbreviation:	English f. specific purposes	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	McIntosh, Sabine		
Lecturers:	McIntosh, Sabine		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		30 h
	Self-study:		120 h
	Total:		150 h
Subjects of the module:	English for Specific Purposes (English f.	. specific purposes)	
Lecture types:	1: Tuition in Seminars		
Examinations:	seminar paper and presentation (Englis	sh f. specific purposes)	
	None		

Requirements for the award of credit points are the passing of the respective module examination according to the study and examination regulations and the study plan.

Recommended prerequisites:

English knowledge according to the European Frame of Reference level B2/C1

Objectives:

Professional and methodological competence:

- Students deepen existing language knowledge in a specific subject area and expand their knowledge of specific terminology.
- Students apply existing subject knowledge and competences from the two other fields of study (business and culture) in the foreign language.
- Students independently access information via the Internet.
- Students describe and evaluate strategies and concepts from the chosen subject area, orally or in writing, depending on the task.
- They further develop existing meeting strategies, expand their subject-related techniques for discussion, moderation and presentation and improve their negotiation skills with special consideration of intercultural relations and intercultural communication.

Personal competence:

Students reflect on the goals they have reached and design the necessary processes independently and sustainably.

Social competence:

- Students engage responsibly and in a collegial manner in the team and solve problems and tasks together and with foresight.
- They explain complex topics in an understandable and correct way, argue their point of view and develop it further with their peers.
- Students give their fellow students appreciative feedback within the framework of their presentation
- They describe and evaluate strategies and concepts from the chosen topic area, orally or in writing, depending on the assignment.

Operational competence:

- The students design the processes necessary for the development of the subject area in a goal-oriented and efficient way, taking into account the team constellation as well as their own goals, and use the necessary linguistic means correctly.
- They design their texts in the target language in an inclusive, fair and gender-neutral way.

Specific competence:

• Intercultural competence:

Students are aware of the cultural diversity in modern companies and the need for special consideration of intercultural relations and intercultural communication in everyday professional life.

- Language competence:
- Students have a competent command of appropriate specialised language.
- Digital competences:

Students use electronic tools to organise their group work, to communicate in the target language and to create presentations, posters, etc.

Content:

- The module teaches context-related specialist language from a professionally relevant thematic target area at level B2/C1. The target area can vary depending on the students' interests.
- The module introduces the conventions of subject-oriented communication in a global context. Students determine and apply specialised language, which they will use in their future professional environment. They develop strategies to promote effective addressee-specific specialised language competence. These are either specific skills (e.g. creating a professional application portfolio) or appropriate specialised language register, e.g. for the chosen focus.
- Subject areas may include:
 - Job Application / Recruitment / Human Resources
 - Hospitality and Tourism
 - Accounting and Finance / International Trade
- Marketing / International Management / Working Across Cultures

Literature:

Will be specified at the beginning

Module abbreviation:	IPM-Germ1ForeignLanguaBegin	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Zürn, Martina		
Lecturers:	Wittmann, Dimitra		
Language of instruction:	German		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	German 1 as a Foreign Language (beginners) (IPM-Germ1ForeignLanguaBegin)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	seminar paper (IPM-Germ1ForeignLar	nguaBegin)	
	None		
Prerequisites according ex	amination regulation:		
According to the study ar	d examination regulations and the study	r plan	
Recommended prerequisi	tes:		
None			
Objectives:			

Knowledge:

The students have command of the basic principles of the German language so that they can interact in a simple way successfully. Students can ask and answer simple questions (eg for the way, time, library matters, lunch in university canteen etc.), initiate and respond to simple statements in areas of immediate need or on very familiar topics. Students can discuss everyday practical issues in a simple way e g. what to do, where to go and make arrangements to meet. Students learn understand everyday expressions aimed at the satisfaction of simple needs of a concrete type. Furthermore the students become familiar with cultural specifications of Germany.

Professional Skills:

Reception and production strategies are employed constantly during interaction. Students can recognize familiar names and words and very basic phrases on simple notices in the most common everyday situations. The Students can get an idea of the content of simpler informational material and short descriptions. Students can understand phrases and the highest frequency vocabulary related to areas of most immediate relevance eg. shopping, local area, employment, university issues. Students can catch the main points in short, clear messages and announcements which is essential eg. for travelling etc.

Content:

It is the subject of the course to offer exchange students the chance to communicate easily and interculturally adequate in a German environment and continually advance their language competences in order to deal with different subjects in different situations and scenarios in Germany effectively.

Will be specified at the beginning

German 2 as a Fore	German 2 as a Foreign Language (intermediate)			
Module abbreviation:	IPM-Germ2ForeignLanguaInterm	Reg.no.:		
Curriculum:	Programme	Module type	Semester	
	International Product and Service Management (SPO WS 16/17)		1	
Responsible for module:	Zürn, Martina			
Lecturers:	Wittmann, Dimitra			
Language of instruction:	German			
Credit points / SWS:	5 ECTS / 4 SWS			
Workload:	Contact hours:		45 h	
	Self-study:		105 h	
	Total:		150 h	
Subjects of the module:	German 2 as a Foreign Language (intermediate) (IPM-Germ2ForeignLan- guaInterm)			
Lecture types:	1: SU - seminaristischer Unterricht			
Examinations:	seminar paper (IPM-Germ2ForeignLan	igualnterm)		
	None			
Prerequisites according ex	amination regulation:			

Prerequisites according examination regulation:

According to the study and examination regulations and the study plan

Recommended prerequisites:

None

Objectives:

Knowledge:

The students can understand main points of clear standard of familiar matters regularly encountered at university and areas linked (internship) etc., they can make arrangements and understand topics of personal or professional interest. They can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life. The students can deal with most situations likely to arise whilst travelling in an area where the language is spoken.

Professional Skills:

The students can understand texts that consist mainly of high frequency everyday or job-related language. Reception and production strategies are employed constantly during interaction. They can describe experiences, events and ambitions which are university- and job-related issues (concerning internship). They can communicate with colleagues at their internships in an adequate way if communication is based on topics which are familiar. The students can briefly give reasons and explanations for opinions and plans in an appropriate way (related to B1-level). Furthermore, the students become familiar with cultural specifications of Germany especially related to professional environments.

Content:

It is the subject of the course to offer exchange students the chance to communicate easily and interculturally adequate in a German environment and continually advance their language competences in order to deal with different subjects in different situations and scenarios in Germany effectively. On an adequate level according to level B1.

• MITTLER, Alexandra, 2012. DaF kompakt A1-B1 Grammatik: Deutsch als Fremdsprache für Erwachsene. 1. edition. Stuttgart: Klett. ISBN 978-3-12-676193-2

Module abbreviation:	IPM-Global_Marketing	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Schugk, Michael		
Lecturers:	Schugk, Michael		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours: Self-study: Total:		45 h 105 h 150 h
Subjects of the module:	Global Marketing (IPM-Global_Market	ing)	
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 90 minutes (IPM-Global None	_Marketing)	
Prerequisites according exa	amination regulation:		
According to the study and	d examination regulations and the study	plan	
Recommended prerequisite	es:		
None			
Objectives:			
which arrive when controlThe ability to use one	licability in the learned theoretical conte ordinating 's learned problem solving skills in all pa		
Professional Skills:			
-	ver the approach towards International I		
	ernational and Being international as fur special features of International Market	-	ernational Marketin
	ational and intercultural differences		
U			
• Development of soft s	skills in an international context		

- Problem of coordination concerning International Marketing
- Evaluation and selection of markets

• Strategies for market entry

Being international:

- Problem of coordination on markets growing together
- Coordination strategies on markets growing together
- Strategies for market entry
- Coordination demand covering strategies
- Coordination demand reducing strategies

Literature:

• BACKHAUS, Klaus, Joachim BÜSCHKEN and Markus VOETH, 2006. *International marketing*. [. edition. Houndmills, Basingstoke [u.a.]: Palgrave Macmillan. ISBN 978-0-333-96388-3

		Desires	1
Module abbreviation:	IPM - Introduction to Quality Man- agement	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Hedderich, Barbara		
Lecturers:	Wilisch, Christian		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 3 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	Introduction to Quality Management (IPM - Introduction to Quality Manage- ment)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	seminar paper and presentation (IPM - Introduction to Quality N		
	The requirements for the award of cre module examination ac-cording to the		
Prerequisites according ex	amination regulation:		
None			
Recommended prerequisi	tes:		
None			
Objectives:			
Quality management (QN commerce.	 is an indispensable tool not only in pro 	duction environments	s but in all aspects of
Content:			
• What is 'quality'?			
• Historical context of	quality management		
• Financial aspects of o	quality management		
Quality techniques a	nd their applications		
Process control tech	niques		
Critical assessment c	f QM approaches		
Literature:			
• IMAL Masaaki 2012	. Gemba kaizen: a commonsense approac	h to a continuous imp	rovomont stratogy 2
 IIVIAI, IVIASAANI, ZUIZ 	. Gerriba kaizeri. a commonsense approac		i overnerni strutegy. Z

- CHALKIADAKIS, Ioannis , 2019. New Product Development with the use of Quality Function. ISBN 978-3330344181
- MONTGOMERY, Douglas C., 2019. Introduction to statistical quality control. E. edition. Hoboken, NJ: Wiley. ISBN 978-1-119-65711-8, 978-1-118-98915-9

Module abbreviation:	IPM-LeanProductManufactExcell	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Slama, Stefan		
Lecturers:	Slama, Stefan		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	Lean Production - Manufacturing Excellence (IPM-LeanProductManufactExcell)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	seminar paper and presentation (IPM-LeanProductManufactExcell)		
	None		
Prerequisites according ex	amination regulation:		
According to the study ar	nd examination regulations and the study	plan	
Recommended prerequisi	tes:		
None			
Objectives:			
Lean Production and Mar without waste of resource methods and tasks to sol Professional Skills: Students are able to solve Social Skills:	amiliar with expert knowledge and scienti nufacturing Excellence. They understand t es, lean thinking in processes and organiz ve problems in efficiency. e tasks autonomous and are able to asses discuss case study results in groups, achie	the most important ain ation, helpful tools and problems in the field o eve consensus by critica	ns of production d they will know of Lean Production
	inal work results as a team, also their rese	earch study project	

- Team Work, 5S, Standards
- Muda Elimination, TPM (Total Productive Maintenance), JIT (Just In Time)
- Employee Involvement, Quality First, etc.
- Strengthening of key aspects with additional trainings and exercises in team-work, critically considerations of effects/needs and presentation of results

Will be specified at the beginning

Project Manageme	ent		
Module abbreviation:	IPM-ProjectManagement	Reg.no.:	
Curriculum:	Programme	Module type	Semester
	International Product and Service Management (SPO WS 16/17)		1
Responsible for module:	Slama, Stefan		
Lecturers:	Slama, Stefan		
Language of instruction:	English		
Credit points / SWS:	5 ECTS / 4 SWS		
Workload:	Contact hours:		45 h
	Self-study:		105 h
	Total:		150 h
Subjects of the module:	Project Management (IPM-ProjectManagement)		
Lecture types:	1: SU - seminaristischer Unterricht		
Examinations:	written exam, 120 minutes, and seminar paper (IPM-ProjectManagement)		
	None		
Prerequisites according ex	amination regulation:		
According to the study ar	nd examination regulations and the study	plan	
Recommended prerequisi	tes:		
None			
Objectives:			
To be determined			
Content:			
To be determined			
Literature:			
Will be specified at the be	eginning		