Course overview for International and Intercultural Program (IIP@HBC) for summer semester 2023

Cluster Designed Sustainability

Course title	Code	Mandatory	Architecture	Civil Engineering	Energy Engineering	Project Management	Semester
Interdisciplinary Cometence			min 3 ECTS	min 3 ECTS	min 3 ECTS	min 3 ECTS	
German language course for Incomings	IO_DK	x	2	2	2	2	WS/SS
Intercultural Training	IO_ITI	х	1	1	1	1	WS/SS
Studium Generale (General Skills)			2	2	2	2	WS/SS
Transdisciplinary Reflection			1-3 ECTS	1-3 ECTS	1-3 ECTS	1-3 ECTS	
Interdisciplinary Lecture Series			1	1	1	1	WS/SS
Social events / field trips	IO_SOE/IO.FI	Т	2	2	2	2	WS/SS
Interdisciplinary Cooperation			10 ECTS	10-12 ECTS	10-14 ECTS	7-12 ECTS	
Interdisciplinary & Intercultural Team Building			2	2	2	2	WS/SS
Design project (Urban Design)			10				WS/SS
Project work - Construction Engineering *				2			WS/SS
Project work - Urban Water Management *				2			WS/SS
Thesis in Civil Engineering				10			WS/SS
Interdisciplinary project work **					10		WS/SS
Thesis **					14		WS/SS
Interdisciplinary project work						7	WS/SS
Thesis						12	WS/SS
Disciplinary elective lectures			4 - 10 ECTS	4 - 10 ECTS	4 - 10 ECTS	4 - 10 ECTS	
Fundamental of Project Management	BBP10_GPS		2	2	2	2	WS/SS
International Contract Management	BBP23_ICM		2	2	2	2	WS/SS
Process Engineering in Construction	BBP11_BVT			2		2	WS/SS
International Management Skills (Master level)	MMB06_IMS			6		6	WS/SS
Bioeconomy #	BBB33_BIO			2		2	WS/SS
Circular Economy #	BBB33_ZIR			2		2	WS/SS
Intercultural Cooperation in Civil Engineering ##				1			WS/SS
Workshop (topic: Smart City/Mobility as Urban			5-10				WS/SS
Factor/Sceniorscapes) (5 ECTS for each topic)			3-10				W 3/33
Business Communication Skills	MEGxx.BCS		2	2	2	2	WS/SS
Writing Lab	SG.WRL						WS/SS
Introduction to Lighting (online)			2	2	2	2	WS
Building Communication Systems (online)			2	2	2	2	WS
Electrical Systems			2	2	2	2	SS
Summer School			2	2	2	2	SS

^{*} Civil Engineering students can choose one project

^{**} Energy Engineering students can choose either Interdisciplinary project work or Thesis # can be offered in hybrid (German and English)
available only if there are enough participants

Cluster Sustainable Biotechnology

Course title	Code	Obligatory	Pharmaceutical Biotechnology	Industrial Biotechnology	Semester
Intercultural Competence			min. 3 ECTS	min. 3 ECTS	
German language course	IO_DK	Х	2	2	WS/SS
Intercultural Training with Incomings	IO_ITI	Х	1	1	WS/SS
Studium Generale (General Skills)			2	2	WS / SS
Transdisciplinary Reflection			min. 2 ECTS	min. 2 ECTS	
Interdisciplinary Lecture Series			1	1	WS/SS
Social Events / Field Trips	IO.SOE / IO.FI	Ī	2	2	WS/SS
Interdisciplinary Projects			min. 3 ECTS	min. 3 ECTS	
Sustainable Development in Biopharmaceutical Industry	PBT22_SDB		3	3	WS/SS
Disciplinary Electives					
Equipment and Plant Engineering IBT				2 + 1	SS
Development Process / Scale Up (Laboratory)*				5	SS
Organical Chemistry and Natural Products Lecture				2	SS
Organical Chemistry and Natural Products Laboratory*				4	SS
Information Retrieval /-management				2	SS
Product Isolation				2	SS
Bioprocessing Technology Lecture				2	SS
Protein Chemistry				2	SS
Cell culture engineering Laboratory*	PBT15-ZKT		5		WS/SS
Cell culture engineering Seminar	PBT15-ZKS		2		WS/SS
Biotechnology Lecture Series	PBT18-BÖR		2		WS/SS
Selected Topics of Modern Biotechnology	PBT18-ATB		3		WS/SS
Downstream Processing*	PBT14_BAV/BAP		8		WS/SS
Plant and Apparatus Engineering PBT	PBT13-AAB		2		WS/SS
Biotechnological Processing	PBT12-BVT		3		WS/SS
Protein Analytics Laboratory	PBT14-PAN		3		WS/SS
Protein Analytics Seminar	PBT14-SPA		1		WS/SS

Cluster International Infrastructure and Project Life Cycle Management

Course title	Code	Mandatory	Civil Engineering	Project Management	Business Administration	Semester
Intercultural Competence			3 - 7 ECTS	3 - 7 ECTS	3 - 7 ECTS	
German language course for Incomings	IO DK	Х	2	2	2	WS/SS
Intercultural Training	IO ITI	Х	1	1	1	WS/SS
Studium Generale (General Skills)	 -		2	2	2	WS/SS
Transdisciplinary Reflection			1 - 3 ECTS	1 - 3 ECTS	1 - 3 ECTS	
Interdisciplinary Lecture Series			1	1	1	WS/SS
Social events / Field Trips	IO.SOE / IO.FIT		2	2	2	WS/SS
Interdisciplinary Projects	•		14 - 17 ECTS	14 - 17 ECTS	14 - 17 ECTS	
Scientific project presentation	Neu		2	2	2	WS/SS
Real Life Project Assessment "cultural clash detection"	BB6.10-17 (2)		1	1	1	WS/SS
Interdisciplinary project work	BP 6.3-1		7	7	7	WS/SS
Strategic Management (Strategic Development / Entrepreneurship / Design Thinking)			10	10	10	Start in SS 23
International Contract Management	BBP23_ICM		2	2	2	WS/SS
Circular Economy	BB4.2-2(2)		2	2	2	WS/SS
Energy and Resource Efficiency			2	2	2	WS/SS
Energy and Mobility	BEW90_EUM		2	2	2	WS
Business English	BBW17_BEN		3	3	3	WS/SS
Disciplinary Electives			10 - 15 ECTS	10 - 15 ECTS	10 - 15 ECTS	
Project work (Construction Engineering / Urban Water Management)	BB6.11-1 (2) or BB6.11-2 (2)		2			WS/SS
Thesis in Civil Engineering	BB7.10		10			WS/SS
Intercultural Cooperation in Civil Engineering	BB6.10-15		1	1	1	WS/SS
Bioeconomy	BB4.2-2(1)		3	3	3	WS/SS
Summer School Civil Engineering Sustainable Methods in Construction			2	2	2	WS
Summer School Civil Engineering Digital Methods in Construction			2	2	2	SS
Thesis in Project Management	BP 7.4-1		_	10	_	WS/SS
, ,					_	WS/SS
Project Management Introduction	BBP10 GPS		2	2	1 2	I WO/OO I
Project Management Introduction International Management Skills (Masterlevel)	BBP10_GPS MMB06 IMS		2	2	2 2	
International Management Skills (Masterlevel)	BBP10_GPS MMB06_IMS MBW01_EPA		2 2 3			WS/SS WS/SS
International Management Skills (Masterlevel) International Energy Policy Analysis (Masterlevel)	MMB06_IMS		2	2	2	WS/SS
International Management Skills (Masterlevel) International Energy Policy Analysis (Masterlevel) Global Commodity Trading (Masterlevel)	MMB06_IMS MBW01_EPA		2 3	2 3	2 3	WS/SS WS
International Management Skills (Masterlevel) International Energy Policy Analysis (Masterlevel) Global Commodity Trading (Masterlevel) Short Term and Flexibility Markets for Power und Gas (Masterlevel)	MMB06_IMS MBW01_EPA		2 3 2	2 3 2	2 3 2	WS/SS WS SS
International Management Skills (Masterlevel) International Energy Policy Analysis (Masterlevel) Global Commodity Trading (Masterlevel)	MMB06_IMS MBW01_EPA		2 3 2 3	2 3 2 3	2 3 2 3	WS / SS WS SS WS
International Management Skills (Masterlevel) International Energy Policy Analysis (Masterlevel) Global Commodity Trading (Masterlevel) Short Term and Flexibility Markets for Power und Gas (Masterlevel) Risk Management (Masterlevel)	MMB06_IMS MBW01_EPA el) MBW06_RIS		2 3 2 3 3	2 3 2 3	2 3 2 3 3	WS/SS WS SS WS WS/SS