Study Guide: Program of Bachelor Degree in Industrial Engineering, Start of Study in Winter (WS 2015/16), Examination Regulation 2015

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	sws	ср	sws	ср	sws		sws	Ср	sws	Ср	sws	ср	sws	ср	
Business Administration	00	OP	0110	υp	0110	υp	0110	υp	0110	υp		υp	00	ΟÞ	
Compulsory Modules															
Introduction to Business Administration	4	5													
Business Administration II			4	5											
Introduction to Economics/Microeconomics			4	5											
Civil Law			4	5											
Basics of Accounting and Accounting Performance			4	5											
Business English I			4	5											
Quality Management					4	5									
Employment Law							4	5							
Introduction to Managerial Accounting							4	5							
Business English II							4	5							
Project Management											4	5			
Management											4	5			
Project Phase											2	10			
Specialisations (choose in total two modules in 3. and 4	. Sem	este	r)				8	10			8	10			
Procurement															
Logistics/Operation Research															i
Production Management															
Financing and Investment															
Human Ressource Management/OP															
External and Internal accounting															
Sum of sws Business Administration	4		20		4		20		0		18				
Sum of cp Business Administration		5		25		5		25		0		30			
<u>'</u>															
Civil Engineering															
Compulsory Modules	W	IC.	0	S	14	10	S	C	١٨.	'S	0	_			
	V V	10	J	3	V۱	/S	ಾ	S	VV	3	5	S	W	/S	
	4	5	3	5	V	5	3	5	VV	3	5	S	W	/S	
Mathematics 1			3	3	V	5	3	5	VV	3	5	S	W	/S	
Mathematics 1 Concrete Technology	4	5		o	V	5	3	5	VV	3	5	S	V	/S	
Mathematics 1 Concrete Technology Building Physics and Building Construction	4	5 5		5	V	5		S	VV) —	5	S	W	/S	PL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD	4 4 4	5 5 5) ————————————————————————————————————	V	5		5	VV	9	5	S	W	/S	PL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts	4 4 4 4	5 5 5 5	4	5		5						S	W	/S	PL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering	4 4 4 4	5 5 5 5			4	5				9		S	W	<i>(</i> S	PL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1	4 4 4 4	5 5 5 5								9		S	W	/S	PL ; ; Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2	4 4 4 4	5 5 5 5			4	5				3			W	/S	PL PL S
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials	4 4 4 4	5 5 5 5			4 4	5 5				9		5		/8	PL ; ; Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1	4 4 4 4	5 5 5 5			4 4 4	5 5 5						5		/8	PL S S FL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5	4	5						/8	PL Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5			4	5				/8	PL PI PL
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5								/8	PL :
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5			4	5				/8	PL :
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5			4 4	5 5				/8	PL :
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives	4 4 4 4	5 5 5 5			4 4 4 4	5 5 5 5			4 4 4	5 5 5					PL :
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering	4 4 4 4	5 5 5 5	4		4 4 4 4 4	5 5 5 5	4		4 4 4 12	5 5 5		0	W		Pl Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering	4 4 4 4	5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15			W		Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering Sum of cp Civil Engineering	4 4 4 4 4	5 5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15					Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration or C	4 4 4 4 4	5 5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15				18	Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration or C Practical stage	4 4 4 4 4	5 5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15					Pl Pl Pl
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1	4 4 4 4 4	5 5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15				18	PL :
Mathematics 1 Concrete Technology Building Physics and Building Construction Spreadsheet Application and CAD Construction Planning and Management of Conflicts Basics of Structural Engineering Construction Operations 1 Basics of Structural Engineering 2 Civil Engineering Materials Geotechnics 1 Construction Operations 2 Structural Design of Reinforced Concrete 1 Construction Operations 3 Construction Operations 4 Surveying Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration or C Practical stage	4 4 4 4 4	5 5 5 5 5 5	4	5	4 4 4 4 4	5 5 5 5 5	4	5	4 4 4 12	5 5 5 5 15				18	PL PL PL

SWS = semester periods per week Credits = SWS x 1,25 consequently: 5cp correspond 4 SWS PL=Examination (written) SL=Course achievement

Study Guide: Program of Bachelor Degree in Industrial Engineering, Start of Study in Summer (SS 2016), Examination Regulation 2015

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	sws	ср	sws	ср	sws	ср	sws	ср	sws		sws	ср	sws		
	-	1		2		3	4	_	5			3		7	i e
	sws	ср	sws	ср	SWS	ср	sws	ср	sws	ср	sws	ср	sws	ср	
Business Administration															
Compulsory Modules															
Introduction to Business Administration	4	5													PL
Business Administration II			4	5											PL
Introduction to Economics/Microeconomics			4	5											PL
Civil Law			4	5											PL
Basics of Accounting and Accounting Performance			4	5											PL
Business English I			4	5											PL
Quality Management					4	5									PL
Employment Law							4	5							PL
Introduction to Managerial Accounting							4	5							PL
Business English II							4	5							PL
Project Management							_				4	5			PL
Mangement											4	5			PL
Project Phase											2	10			PL
Specialisations (choose in total two modules in 3. a	and 4	Seme	ster				8	10			8	10			- ' '
Procurement	лта 4 .	Jeme	Stel				-0	10			0	10			PL
Logistics/Operation Research	1												-		PL
Production Management	1												-		PL
	-														PL
Financing and Investment Human Ressource Management/OP	-														PL
•	-														PL
External and internal Accounting	-														
	١.														
Sum of sws Business Administration	4		20		4		20		0		18				
Summe cp Business Administration		5		25		5		25		0		30			
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Civil Engineering		20	1.0		0	0	10		0	0	10	10			
Compulsory Modules		SS	W	S	S	5	W	5	S	5	W	S	S	S	
Mathematics 1	4	5													PL
Concrete Technology	4	5													PL
Building Physics and Building Construction	4	5													PL,
Construction Planning and Management of Conflicts	4	5													SL
Basics of Structural Engineering	4	5													PL
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Construction Operations 2	1		_	5											
Construction Operations 1			7	J	4	5									PL,S
Construction Operations 1 Civil Engineering Materials			7	3	4	5									PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2				3	4	5									PL,S PL PL
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Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying			-	3	4	5									PL,S PL SL PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4				3	4 4 4	5 5 5	4	5							PL,S PL SL PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3				3	4 4 4	5 5 5	4	5	4	5					PL,S PL SL PL,S PL
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1					4 4 4	5 5 5	4	5	4	5					PL,S PL SL PL,S PL
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1				3	4 4 4	5 5 5	4	5	4	5 5					PL,S PL SL PL,S PL
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives				5	4 4 4	5 5 5	4	5	4	5					PL, SL PL, SPL, SPL, SPL, SPL, SPL, SPL,
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering	20		4		4 4 4	5 5 5 5	4		4	5 5 15	0				PL,S PL SL PL,S PL
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Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering	20	25			4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0			PL,S Pl Sl PL, PL PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering Sum of cp Civil Engineering			4	5	4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0			PL,S Pl Sl PL, PL PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1			4	5	4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0		18	PL,; Pl Pl Sl PL, Pl PL,
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration Practical Stage			4	5	4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0		18 12	PL,; Pl Pl Sl PL, Pl PL,
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration			4	5	4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0			PL,S Pl Sl PL, PL PL,S
Construction Operations 1 Civil Engineering Materials Basics of Structural Engineering 2 Speadsheet application and CAD Surveying Construction Operations 4 Construction Operations 3 Structural Design of Reinforced Concrete 1 Geotechnics 1 Electives Sum of sws Civil Engineering Sum of cp Civil Engineering Study Projects (electively Business Administration Practical Stage			4	5	4 4 4 4	5 5 5 5			4 4 12	5 5 15	0	0			PL,S PL SL PL,S PL

SWS = semester periods per week Credits = SWS x 1,25 consequently: 5cp correspond 4 SWS PL=Examination (written) SL=Course achievement