

## Course Timetable – Specialization Electronics – Overall View – Trimester 1-9

### 1. English Language

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
English I	1	Written or oral examination	Presentation / Tests	144	66	7	Neil Turley
Course 1							
Course 2							
English II	2	Portfolio	Tests	144	66	7	Neil Turley
Course 1							
Course 2							
English III	3	Written examination	Tests	144	66	7	Neil Turley
Course 1							
Course 2							
English IV	4	Written or oral examination	Presentation / Test	48	12	2	Neil Turley
Course 1							
Course 2							
English V	5	Written or oral examination	Presentation / Tests	48	12	2	Neil Turley
Course 1							
Course 2							
English VI	6	Portfolio	Tests	48	12	2	Neil Turley
Course 1							
Course 2							
sum				576	234	27	

### 2. Islamic Studies

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Islamic Studies I	1	Written or oral examination	Presentation / Tests/	36	24	2	Dr. Al-Hoshan
Course 1							
Course 2							

Islamic Studies II	8	Portfolio	Tests	36	24	2	Dr. Al-Hoshan
Course 1							
Course 2							
sum				72	48	4	

### 3. Vocational Pedagogy

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Key Competences for Academic Studies	1-3	Portfolio Examination		72	108	6	Ivan Kuzio
Basic Study and IT Skills	1		Portfolio Deliverables (e.g. Work Plan, Mind Map, Internet Communication)				
Advanced IT Skills	2		Portfolio Deliverables (e.g. Word File, Spreadsheet, Presentation)				
Skills for Academic Studies	3		Portfolio Deliverables (e.g. Mini Thesis)				
Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
Fundamentals of Learning and Teaching	4	Trial Run Teaching Session (TRTS)		96	114	7	Lars Fiechel
Fundamentals of the Learning Process			Deliverables (e.g. Essay, Communication Profile, Learn Letter)				
Lesson Planning			Lesson Plan Deliverables (e.g. Learn Letter)				
Teaching Practice 1			Deliverables (e.g. Learn Letter, Observation Sheets)				

Didactics, Learning Technologies and Teaching Practice	5	Written Examination / Trial Run Teaching Session (TRTS)		96	114	7	Lars Fiechel
Didactics			Deliverables (e.g. Reports, Lesson Plan)				
Teaching Practice 2			Deliverables (e.g. Observation Sheets)				
Learning Technology			Deliverables (e.g. Essays, BL-Website)				
Subject Didactics and Teaching Practice	6	Portfolio Examination / Trial Run Teaching Session (TRTS)		96	114	7	Lars Fiechel
Subject Didactics			Deliverables (e.g. Lesson Plan)				
Teaching Practice 3			Deliverables (e.g. Observation Sheets)				
TVET in the Kingdom of Saudi Arabia	7	Written Examination / Project		48	72	4	Dr. Volker Paul
The TVET System in Saudi Arabia			Deliverables (e.g. Questionnaire Catalogue)				
Vocational Field Practice							
Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
Complex Teaching-Learning Arrangements and Teaching Practice	7	Portfolio Examination / Trial Run Teaching Session (TRTS)		72	78	5	Dr. Rainer Gerke
Complex Teaching-Learning-Arrangements			Deliverables (e.g. Educational Project Plan, Lesson Plan)				
Teaching Practice 4			Deliverables (e.g. Observation Report)				

Planning Education Processes	8	Education Process Plan		48	72	4	Dr. Rainer Gerke
Planning Assessment Processes			Deliverables (e.g. Written Test Design, Practical Test Design)				
Planning Teaching Units			Deliverables (e.g. Teaching Unit Plan)				
Advanced Teaching Practice	8	Portfolio Examination / TRTS		72	78	5	Andreas Reinholtz
Differentiation and Classroom Management			Deliverables (e.g. Assignments)				
Teaching Practice 5			Deliverables (e.g. Lesson Plan, Learning Diary)				
<b>sum</b>				600	750	45	

#### 4. Electronics

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Mathematics I	1	Written examination		48	42	3	Reinholtz
Electrical Fundamentals I	1	Written examination	Practical Tests	84	36	4	Goepfert
Electrical Fundamentals I							
Circuit Fundamentals I			Practical Tests				
Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Mathematics II	2	Written examination		48	42	3	Reinholtz
Electrical Fundamentals II	2	Written or oral examination	Practical Tests	120	60	6	Goepfert
Electrical Fundamentals II							
Circuit Fundamentals II			Practical Tests				

Electrical Fundamentals III	3	Written or oral examination	Practical Tests	108	42	5	Goepfert
Electrical Fundamentals III							
Circuit Fundamentals III			Practical Tests				
Digital Systems I	3	Written examination	Practical Tests Assignments	60	60	4	Dr.Sadik
Analogue Electronics	4	Written or oral examination		72	48	4	Dr.Sadik
Electrical Machines Fundamentals + Special Machines	4	Written examination		48	72	4	Jaksche
Programming Basics	4	Practical Examination		48	42	3	Pallaud
PLC II	5	Written or oral examination		72	48	4	Kahil
Digital Systems II	5	Written or oral examination		48	72	4	Kahil
Power Electronics	5	Written or oral examination		48	42	3	Singer
Mechatronic Applications	6	Written or oral examination		48	42	3	Dr. Khateeb
Automatic Control	6	Written or oral examination		48	72	4	Dr. Khateeb
Electronic Circuit Application	6	Written or oral examination		72	48	4	Severin
Programming C	7	Project		48	42	3	Pallaud
Project in Electronics	7	Project		48	102	5	Bokah
Embedded Systems	7	Written or oral examination		48	42	3	Kahil
Electronic Control Applications	8	Written examination	Practical Examination	48	42	3	Dr.Khateeb
Design of teaching Aids with LABVIEW	8	Written or oral examination	Project	36	54	3	Pallaud
Process Control & Automation ( <i>optional</i> )	8	Written or oral examination	Practical Examination	24	36	2	Dr.Khateeb
MATLAB ( <i>optional</i> )	8	Written or oral examination		24	36	2	Dr. Sadik
<b>sum</b>				1224	1086	77	

## 5. Company Field Practice

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Company Practice I	Field	1,2 or 3	CFP Report		180	6	XY
Company Practice II	Field	8 or 9	CFP Report		180	6	XY
sum					360	12	

## 6. Bachelor Thesis

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		ECTS	Responsible lecturer of Module
				Contact Hours	Independent Study		
Bachelor Project	9	Thesis			360	12	XY
Bachelor Seminar	Thesis	Presentation		36	54	3	XY
sum				36	414	15	

sum				2508	2892	180	
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