

**Course Timetable - Specialization Network and System Administration -  
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	Mohamed Arifin
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	Dr. Chokri Guellali
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. Network and System Administration

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		CP	Responsible lecturer of Module
				Contact Hours	Independent Study		
<b>Technical Mathematics 1</b>	1	Written Examination		48	42	3	J. Riedel
Mathematics 1		Written Examination					
<b>Fundamentals of Computer Technology</b>	1	Written Examination or Assignment		84	36	4	Hubert Koehl
Computer Architecture & Hardware		Written Examination or Assignment					
Fundamentals of Digital Systems		Written Examination or Assignment					
<b>Technical Mathematics 2</b>	2	Written Examination		48	42	3	G. O'Regan
Mathematics 2		Written Examination					
<b>Information Systems &amp; Programming 1</b>	2	Written Examination or Assignment		72	18	3	T. Theodorou
Algorithmic Thinking & Programming 1		Written Examination or Assignment					
Introduction to Databases		Written Examination or Assignment					
<b>Data Communication &amp; Networks 1</b>	2	Written Examination or Assignment		48	42	3	Dr. Lepaja
Fundamentals of Telecommunication		Written Examination or Assignment					
Fundamentals of Computer Networks 1		Written Examination or Assignment					
<b>System Administration</b>	3	Written Examination or Assignment		60	30	3	R. Idris
Introduction to System Administration		Written Examination or Assignment					
Operating Systems		Written Examination or Assignment					

Modules and related Courses	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		CP	Responsible lecturer of Module
				Contact Hours	Independent Study		
<b>Information Systems &amp; Programming 2</b>	3	Written Examination or Assignment		72	18	3	T. Theodorou
Algorithmic Thinking & Programming 2		Written Examination or Assignment					
Project Management		Written Examination or Assignment					
<b>Data Communication &amp; Networks 2</b>	3	Written Examination or Assignment		36	54	3	Dr. Lepaja
Fundamentals of Computer Networks 2		Written Examination or Assignment					
<b>Advanced System Administration</b>	4	Written Examination		60	60	4	Rami Idris
Active Directory Management							
Practical of active Directory Management							
<b>Ethernet Switching</b>	4	Written Examination or Assignment		60	60	4	Rami Idris
Introduction to Ethernet Switching							
Practical Ethernet Switching							
<b>Databases</b>	4	Written Examination or Assignment		36	54	3	Claus Kaldeich
<b>Ethernet Switching 2</b>	5	Written Examination or Assignment		36	54		
<b>Linux Server Administration</b>	5	Written Examination or Assignment		60	60	4	Jens Riedel
Introduction to Linux							
Practical Linux Server Administration							
<b>Routing in IP Networks 1</b>	5	Written Examination or Assignment		72	48	4	Rami Idris
Introduction to Routing							
Practical Routing							

<b>Network Management &amp; Customer Services</b>	6	Written Examination or Assignment		48	42	3	Haikal El Abed
Network Management and Monitoring							
System Maintenance							
<b>Routing in IP Networks 2</b>	6	Written Examination		72	78	5	Klaus Glanzer
Advanced Routing							
Practical of Advanced Routing							
<b>WiFi Networks</b>	6	Written Examination or Assignment		48	42	3	Klaus Glanzer
Introduction to WiFi							
Practical Introduction of WiFi							
<b>Mobile &amp; Wide Area Networks</b>	7	Written Examination or Assignment		72	18	3	Klaus Glanzer
Mobile Communication Network							
Wide Area Network							
<b>Network Security</b>	7	Written Examination or Assignment		36	54	3	Klaus Glanzer
<b>ICT Project in Networking</b>	7	Project presentation		36	114	5	I. Al-Refai
<b>Advanced Network Security</b>	8	Written Examination or Assignment		48	42	3	Klaus Glanzer
<b>Elective Courses in Networking</b>	8	Written Examination or Assignment		60	90	5	Haikal El Abed
Trends and Issues in Networking							
Trends and Issues in Telecommunications							
Satellite Communications and Antennas							
Voice over IP Technology							
<b>sum</b>				1212	1098	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	Trimester	Assessment Method of Module Examination	If necessary partial study performance	Students Workload		CP	Responsible lecturer of Module
				Contact Hours	Independent Study		
Bachelor Project	9	Thesis			360	12	XY
Bachelor Thesis Seminar	9	Presentation		36	54	3	XY
sum				36	414	15	

sum				2496	2904	180	
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