

**Course Timetable – Specialization Refrigeration and Air Conditioning –
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
				Contact Hours	Independent Study		
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)				
sum				600	750	45	

4. Refrigeration and Air Conditioning

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	Assignments / Test	48	42	3	Sivardeen
Production Engineering I	1	Project/ Written Examination	Presentation / Test	84	36	4	Hoth
Technical Drawing 1							

Material Science							
Measuring & Marking Out							
Mathematics II	2	Written examination	Assignments / Test	48	42	3	Sivardeen
Production Engineering II	2	Project/ Written Examination		60	30	3	Hoth
Technical Drawing 2							
Production Techniques 1							
Engineering Physics 1	2	Written Examination		60	30	3	Zoua
Introduction to RAC	3	Project/ Written Examination		72	48	4	Murphy
Engineering Physics 2	3	Written Examination	Assignments / Test	96	54	5	Oluoch
Engineering Physics 2							
Fundamentals of Electrical Engineering 1							
RAC Control Systems	4	Written- and Practical examination	Presentation/ Assignments	96	84	6	Salamon
Fundamentals of Electrical Engineering 2						5	
RAC- Control							
RAC Components	4	Written- and Practical examination	Presentation/ Assignments	84	66		Murphy
Central- and Split AC Systems	5	Written- and practical examination	Presentation / Assignments	84	96	6	Winkler
RAC System Installation	5	Practical examination	Presentation/ Assignments	84	66	5	Smartt
RAC Control Systems	6	Written examination	Presentation/ Test	84	96	6	Salamon
Advanced RAC Control Systems							
Instrumentation and Control							
Commercial Refrigeration and Air Conditioning	6	Written examination	Presentation/ Assignments	84	66	5	Murphy
Thermal Transport	7	Written examination examination	Presentation/ Assignments	60	90	5	Oluoch
System Specification and Lay Out	7	Project	Presentation	84	96	6	Oluoch
System Specification and Lay Out							
Project Management							
Industrial and Transport Refrigeration	8	Project	Presentation/ Assignments	48	42	3	Murphy

Engineering Project	8	Project	Presentation	60	90	5	Smartt
Sum				1224	1086	77	

4. 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	

5. 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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