

PKBR – Basics of Refrigeration and Heat Pumps



Course Schedule - Calendar week xx/20xx

Training leadership: N.N.

Day 1

09:00	N.N.	Welcome, general remarks	
subseq.	N.N.	Basics of thermodynamics	
09:50		Coffee break	
10:10	N.N.	Structure and operational principles of the refrigerant cycle	
11:40		Lunch break	
12:30	N.N.	Superheat, subcooling	
13:55		Coffee break	
14:05		<i>Laboratory exercise group 1</i>	<i>Laboratory exercise group 2</i>
	N.N.	Heat exchangers	N.N. Compressors and throttle devices
		<i>10 minutes coffee break 14:50 to 15:20</i>	
16:30		End of first day	

Day 2

08:00	N.N.	Discussion of homework, open questions	
subseq.	N.N.	Components of the refrigerant cycle (compressor, evaporator, condenser, expansion valve)	
09:50		Coffee break	
10:10	N.N.	Components of the refrigerant cycle (compressor, evaporator, condenser, expansion valve)	
11:40		Lunch break	
12:30	N.N.	Further components of the refrigerant cycle	
13:40		Coffee break	
13:50		<i>Laboratory exercise group 2</i>	<i>Laboratory exercise group 1</i>
	N.N.	Heat exchangers	N.N. Compressors and throttle devices
		<i>10 minutes coffee break 14:50 to 15:20</i>	
16:15		Discussion of open questions	
16:30		End of training course	

After a maximum of 45 minutes theory a 5-minute break is provided.