

PKBR – Basics of Refrigeration



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.