

CURRICULUM OF 2019-2020 ACADEMIC YEAR

YALOVA VOCATIONAL SCHOOL

ELECTRICAL AND ENERGY DEPARTMENT / AIR-CONDITIONING AND COOLING TECHNOLOGY PROGRAM

| I.TERM / FALL SEMESTER | | | | | | | | | | | II.TERM / SPRING SEMESTER | | | | |
|---|--|-----|---|---------|-----------|---------------------------|---|-----|---|---------|---------------------------|--|--|--|--|
| COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | | | | |
| | | T | P | | | | | T | P | | | | | | |
| TDB 101 | TURKISH LANGUAGE-I | 2 | 0 | 0 | 3 | TDB 102 | TURKISH LANGUAGE-II | 2 | 0 | 0 | 3 | | | | |
| AİB 101 | PRINCIPLES OF ATATURK AND TURKISH REVOLUTION-I | 2 | 0 | 0 | 3 | AİB 102 | PRINCIPLES OF ATATURK AND TURKISH REVOLUTION-II | 2 | 0 | 0 | 3 | | | | |
| YDB 101 | FOREIGN LANGUAGE-I (English) | 2 | 0 | 0 | 3 | YDB 102 | FOREIGN LANGUAGE-II (English) | 2 | 0 | 0 | 3 | | | | |
| MAT101 | MATHEMATICS | 3 | 0 | 3 | 4 | YİS 102 | COOLING SERVICE PROCESSES | 2 | 2 | 3 | 5 | | | | |
| YİS 101 | AIR-CONDITIONING AND COOLING TECHNOLOGIES | 2 | 1 | 2,5 | 4 | YİS 104 | FUNDAMENTALS OF AIR-CONDITIONING | 2 | 1 | 2,5 | 4 | | | | |
| YİS 107 | WORKSHOP PROCESSES | 2 | 2 | 3 | 6 | YİS 106 | AIR-CONDITIONING AND COOLING ELECTRICITY | 2 | 1 | 2,5 | 4 | | | | |
| YİG 101 | OCCUPATIONAL HEALTHY AND SAFETY | 2 | 0 | 2 | 3 | YİS 122 | TECHNICAL DRAWING | 2 | 1 | 2,5 | 4 | | | | |
| YİS 117 | COOLING PRINCIPLES | 2 | 1 | 2,5 | 4 | YİS 120 | HEAT TRANSFER | 2 | 1 | 2,5 | 4 | | | | |
| Total ECTS | | | | | 30 | Total ECTS | | | | | 30 | | | | |
| III.TERM / FALL SEMESTER | | | | | | IV.TERM / SPRING SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | | | | |
| | | T | P | | | | | T | P | | | | | | |
| YİS 201 | COMPUTER AIDED DRAWING | 2 | 2 | 3 | 6 | YİS 202 | VENTILATION SYSTEMS | 2 | 1 | 2,5 | 4 | | | | |
| YİS 203 | ELECTROMECHANICAL COMMAND CIRCUITS | 2 | 1 | 2,5 | 4 | YİS 204 | COOLING SYSTEM DESIGN | 2 | 1 | 2,5 | 4 | | | | |
| YİS 205 | COMMERCIAL COOLING SYSTEMS | 2 | 1 | 2,5 | 4 | YİS 206 | PREVENTIVE MAINTENANCE AND FAULT DIAGNOSTICS | 2 | 2 | 3 | 6 | | | | |
| YİS 207 | AIR-CONDITIONING SYSTEMS | 2 | 1 | 2,5 | 4 | YİS 214 | HEATING SYSTEMS | 2 | 1 | 2,5 | 4 | | | | |
| ELECTIVE COURSES 12 ECTS | | | | | 12 | ELECTIVE COURSES 12 ECTS | | | | | 12 | | | | |
| Total ECTS | | | | | 30 | Total ECTS | | | | | 30 | | | | |
| Training based on Industry is 8 ECTS . | | | | | | | | | | | | | | | |
| ELECTIVE COURSES | | | | | | | | | | | | | | | |
| III.TERM / FALL SEMESTER | | | | | | IV.TERM / SPRING SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | | | | |
| | | T | P | | | | | T | P | | | | | | |
| YİS 285 | NATURAL GAS SYSTEM | 2 | 0 | 2 | 3 | YİS 228 | VEHICLE AIR-CONDITIONING | 2 | 0 | 2 | 3 | | | | |
| YİS 287 | LABORATORY-I | 1 | 2 | 2 | 3 | YİS 210 | LABORATORY-II | 1 | 2 | 2 | 3 | | | | |
| YİS 225 | HEAT PUMPS | 2 | 0 | 2 | 3 | YİS 216 | AIR-CONDITIONING-COOLING SOFTWARES | 2 | 0 | 2 | 3 | | | | |
| YİS 251 | PROGRAMMABLE COMMAND CIRCUITS | 1 | 1 | 1,5 | 3 | YİS 224 | ALTERNATIVE ENERGY SOURCES | 2 | 0 | 2 | 3 | | | | |
| YİS 215 | PLUMBING TECHNOLOGY | 2 | 0 | 2 | 3 | YİS 230 | INSULATION TECHNOLOGY | 2 | 0 | 2 | 3 | | | | |
| YİS 261 | SOLAR ENERGY | 2 | 0 | 2 | 3 | YİS 208 | SYSTEM ANALYSIS AND DESIGN | 1 | 1 | 1,5 | 3 | | | | |
| YĞİ 201 | ENTREPRENEURSHIP | 2 | 1 | 2,5 | 4 | YİS 274 | INTERNAL AIR QUALITY | 2 | 0 | 2 | 3 | | | | |
| YİS 283 | TOTAL QUALITY MANAGEMENT | 2 | 0 | 2 | 3 | YİS 234 | Research Methods and Techniques | 2 | 0 | 2 | 3 | | | | |
| YİS 279 | ENERGY MANAGEMENT | 2 | 0 | 2 | 3 | YİS 276 | Frigorific Transport | 2 | 0 | 2 | 3 | | | | |
| COURSES TAKEN FROM OTHER PROGRAMS | | | | | | | | | | | | | | | |
| I.TERM / FALL SEMESTER | | | | | | II.TERM / SPRING SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | COURSE CODE | COURSE NAME | WCH | | Credits | ECTS | | | | |
| | | T | P | | | | | T | P | | | | | | |
| TDB 101 | TURKISH LANGUAGE-I | 2 | 0 | 0 | 3 | TDB 102 | TURKISH LANGUAGE-II | 2 | 0 | 0 | 3 | | | | |
| AİB 101 | PRINCIPLES OF ATATURK AND TURKISH REVOLUTION-I | 2 | 0 | 0 | 3 | AİB 102 | PRINCIPLES OF ATATURK AND TURKISH REVOLUTION-II | 2 | 0 | 0 | 3 | | | | |
| YDB 101 | FOREIGN LANGUAGE-I (English) | 2 | 0 | 0 | 3 | YDB 102 | FOREIGN LANGUAGE-II (English) | 2 | 0 | 0 | 3 | | | | |

Abbreviations

WCH : Weekly Course Hour

T : Theory

P : Practice