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| MECHATRONICS |
| I SEMESTER (WINTER) |
| CODE | COURSE | ECTS |
| P O1 | Mathematics | 8 |
| P O2 | Physics | 6 |
| K 01 | Mechanics | 5 |
| K 05 | Graphic engineering and record of construction | 3 |
| O 03 | Information technology IT | 2 |
| O 06 | Humanistic subject | 2 |
| O 08 | Social subject | 2 |
| O 01 | English language | 2 |
| O 02 | Physical education | 0 |
| II SEMESTR (SUMMER) |
| P 01 | Maths | 5 |
| P 02 | Physics | 4 |
| K 01 | Mechanics | 5 |
| K 03 | Introduction to programming in C language | 2 |
| K 04 | Numerical Methods | 4 |
| K 06 | Computer science I / II | 4 |
| K 07 | Electrical engineering and electronics | 4 |
| O 01 | English language | 2 |
| III SEMESTR (WINTER) |
| P 03 | Materials science | 5 |
| P 04 | Basics of automation | 5 |
| K 02 | Introduction to mechatronics | 4 |
| K 09 | CAD / CAM systems | 3 |
| K 10 | Strength of materials | 4 |
| K 12 | Production engineering | 4 |
| K 13 | Electric drives | 3 |
| O 01 | English language | 2 |
| IV SEMESTR (SUMMER) |
| P 03 | Materials science | 1 |
| P 05 | Theory of control | 3 |
| P 06 | Basics of robotics | 2 |
| K 08 | Basics of machine construction and mechanisms | 3 |
| K 11 | Fluid mechanics | 4 |
| K 15 | Theory of machines and languages | 3 |
| K 16 | Sensory and signal processing | 4 |
| O 01 | English language | 2 |
| V SEMESTR (WINTER) |
| P 07 | Industrial robots | 2 |
| K 17 | Measuring systems | 4 |
| K 18 | Microprocessor controller system | 4 |
| KW 01 | Elective course 1 | 5 |
| KW 02 | Elective course 2 | 5 |
| KW 03 | Elective course 3 | 4 |
| O 06 | Ergonomics and HSE | 1 |
| KW 04 | Elective course 4 | 4 |
| VI SEMESTR (SUMMER) |
| K 19 | Basics of machine reliability | 2 |
| K 14 | Metrology and measurement techniques | 3 |
| K 20 | The economics of production | 2 |
| KW 05 | Elective course 5 | 4 |
| KW 06 | Elective course 6 | 3 |
| KW 07 | Elective course 7 | 4 |
| KW 08 | Elective course 8 | 3 |
| VII SEMESTR (WINTER) |
| O 05 | Humanistic subject II: Philosophy / Ethics | 1 |
| O 06 | Law and protection of intellectual property | 1 |
| K 21 | Management engineering | 3 |
| K 22 | TQM quality standards and systems | 2 |
| K 23 | Software engineering | 3 |
| K 24 | Computer networks and databases | 3 |