

| No. | Code | Course unit | Year IV | | | | | | | | | | Type of examinati | | | No. hours per course unit | | | | ECTS | | Remarks |
|-----|------|---|----------------|---|---|---|---|----------------|---|----|----|----|-------------------|----|----|---------------------------|-----|------|-------|------|----|---------|
| | | | Sem 7 (14 wks) | | | | | Sem 8 (14 wks) | | | | | E | C | V | Tot | C | Apl. | In. S | 1 | 2 | |
| | | | C | S | L | P | P | C | S | L | P | P | | | | | | | | | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 18 | 20 | 21 | 22 |
| | | CAD-CAM-CAE systems | 2 | | 2 | | | | | | | | N | | | 100 | 28 | 28 | 44 | 4 | | DOB-DS |
| | | Mechanical construction of industrial robots II | 2 | | | 1 | | | | | | | N | | | 100 | 28 | 14 | 58 | 4 | | DOB-DS |
| | | Control and programming of CNC machine-tools | 2 | | 1 | | | | | | | | N | | | 100 | 28 | 14 | 58 | 4 | | DOB-DS |
| | | Manufacturing robotization II | 2 | | | | | | | | | | N | | | 50 | 28 | | 22 | 2 | | DOB-DS |
| | | Manufacturing robotization II | | | | 2 | | | | | | | | N | | 50 | | 28 | 22 | 2 | | DOB-DS |
| | | Service robots I | 1 | | 1 | | | | | | | | N | | | 50 | 14 | 14 | 22 | 2 | | DOB-DS |
| | | Flexible manufacturing systems II | 2 | | 2 | | | | | | | | N | | | 100 | 28 | 14 | 58 | 4 | | DOB-DS |
| | | Optional 6 | 2 | | 2 | | | | | | | | N | | | 100 | 28 | 28 | 44 | 4 | | |
| | | Interfaces for human-robot interaction | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Development of intelligent industrial robotic systems | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Optional 7 | 1 | | 2 | | | | | | | | N | | | 100 | 14 | 28 | 58 | 4 | | |
| | | Applications with microcontrollers in industrial robotics | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Programming languages for robots | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Quality management and engineering | | | | | 2 | 2 | | | | | N | | | 125 | 28 | 28 | 69 | | 5 | DOB-DS |
| | | Mechatronic systems | | | | | 2 | 2 | | | | | N | | | 125 | 28 | 14 | 83 | | 5 | DOB-DD |
| | | Service robots II | | | | | 2 | | 1 | | | | N | N | | 50 | 28 | 14 | 8 | | 2 | DOB-DS |
| | | Robots with parallel structures and applications | | | | | 2 | | 1 | | | | N | | | 125 | 28 | 14 | 83 | | 5 | DOB-DS |
| | | Optional 8 | | | | | 2 | | 1 | | | | N | | | 125 | 28 | 14 | 83 | | 5 | |
| | | Virtual reality | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Pneumatic actuation and control of robot manipulators | | | | | | | | | | | | | | | | | | | | DOP-DS |
| | | Elaboration of the final degree project | | | | | | | | 4 | | | | N | | 100 | | 56 | 44 | | 4 | DOB-DS |
| | | Practical work for the final degree project | | | | | | | | 5 | | | | N | | 100 | | 70 | 30 | | 4 | DOB-DS |
| | | | | | | | | | | | | | | | | 1500 | 336 | 378 | 786 | 30 | 30 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|--|---|--|--|--|--|--|--|--|---|---|--|----|----|--|--|--|--|----|--------|
| | | Examination of the final degree project | | | | | | | | | | | N | | | | | | | | | 10 | DOB-DS |
| | | Facultative (Voluntary) [run only with minimum 20 students] | | | | | | | | | | | | | | | | | | | | | |
| | | Rapid prototyping | 1 | | 2 | | | | | | | | | N | | 14 | 28 | | | | | | DFA-DS |
| | | Medical robotics | 1 | | 2 | | | | | | | | | N | | 14 | 28 | | | | | | DFA-DS |

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|----------------------------|--|--|-----|---|----|---|---|--------|---|---|----|---|--|--|--|--|--|--|--|--|--|--|
| TOTAL | | | 14 | 0 | 10 | 3 | 0 | 10 | 0 | 6 | 10 | 0 | | | | | | | | | | |
| | | | 27 | | | | | 26 | | | | | | | | | | | | | | |
| No. ex/ No. Col+No. Verif. | | | 4/4 | | | | | 4/1 +2 | | | | | | | | | | | | | | |

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