

Please find below the list of courses available for Erasmus students at the Faculty of Technology and Education in the academic year **2019/2020**.

| Department of Mechatronics and Applied Mechanics |  |             |
|--|--|-------------|
| No   | Course title   | ECTS points |
| 1  | <a href="#"><u>Introduction to mechatronics</u></a>                      | 3           |
| 2  | <a href="#"><u>Mechatronics</u></a>                                      | 4           |
| 3  | <a href="#"><u>Relational database management systems</u></a>            | 2           |
| 4  | <a href="#"><u>Mechatronic systems design in automotive vehicles</u></a> | 5           |
| 5  | <a href="#"><u>Strength of materials</u></a>                             | 4           |
| 6  | <a href="#"><u>Technical mechanics</u></a>                               | 4           |
| 7  | <a href="#"><u>Engineering graphics and engineering drawing</u></a>      | 4           |
| 8  | <a href="#"><u>Computer and programming</u></a>                          | 4           |
| 9  | Automotive mechatronics  | 5           |
| 10   | Simulation and virtual prototyping of mechatronic systems                | 5           |
| 11   | Object oriented programming of devices                                   | 3           |
| 12   | Mechatronics-diagnostics, servicing and operation                        | 6           |
| 13   | Design of mechatronic systems  | 4           |

| Department of Biomedical Engineering |   |             |
|--------------------------------------|---|-------------|
| No                                   | Course title  | ECTS points |
| 1                                    | <a href="#"><u>Computer methods of biomedical engineering</u></a> | 3           |
| 2                                    | Sensors and medical measuring technique                           | 4           |
| 3                                    | Medical physics and technique                                     | 2           |
| 4                                    | Modelling of biological systems and processes                     | 2           |
| 5                                    | Fundamentals of biomechanics                                      | 5           |