

Please find below the list of courses and course descriptions available for Erasmus students at the Faculty of Technology and Education in the academic year **2016/2017**. (Click on the course title to see the extended description of the course).

Department of Mechatronics and Applied Mechanics		
No	Course title	ECTS points
1	<u>Introduction to mechatronics</u>	3
2	<u>Mechatronics</u>	4
3	<u>Calculus of probability and statistics</u>	3
4	<u>Relational database management systems</u>	2
5	<u>Revision and mechatronic systems design in automotive vehicles</u>	5
6	<u>Strength of materials</u>	4
7	<u>Technical mechanics</u>	4
8	<u>Engineering graphics and engineering drawing</u>	4
9	<u>Computer and programming</u>	4

Department of Pedagogy and Education Studies		
No	Course title	ECTS points
1	<u>General psychology</u>	6
2	<u>Psychology of stress</u>	2
3	<u>Comparative education</u>	4
4	<u>Intercultural education</u>	3
5	<u>Communication and proper language use</u>	3
6	<u>Theoretical bases of education</u>	6
7	<u>Methodology of teaching English in the nursery and early school education</u>	3
8	<u>Teaching English in kindergarten and early school education</u>	3
9	<u>Special education</u>	6

Department of Technical Physics and Nanotechnology		
Division of Fundamentals of Materials Science and		

Technical Ceramics		
No	Course title	ECTS points
1	<u>General chemistry</u>	5
2	<u>Chemistry laboratory</u>	2
3	<u>Fundamentals of composite technology</u>	4
4	<u>Fundamentals of materials science</u>	3
5	<u>Materials for electronics</u>	2
6	<u>Methods and techniques of material testing 1</u>	3
7	<u>Methods and techniques of material testing 2</u>	3
8	<u>Physics 1</u>	5
9	<u>Physics 2</u>	5
10	<u>Physics lab</u>	2
11	<u>Vacuum and plasma</u>	5

Department of Biomedical Engineering		
No	Course title	ECTS points
1	<u>Introduction to medical science</u>	5
2	<u>Human anatomy and physiology</u>	2
3	<u>Computer methods of biomedical engineering</u>	2
4	<u>Sensors and biosensors - lab</u>	3
5	<u>Basic principles of radiotherapy</u>	3