🏛 Lodz University of Technology Courses For Erasmus Students (March 2020)

Advanced Biobased and Biosinspired Materials - in English

Course Code	Course Title	ETC	Sem.	Exam
21 01 1209 00	Elements of Probability Theory and Mathematical Statistics	2	2	C
03 14 0190 00	Information Technologies II	3	2	C
03 10 0123 00	Introduction to Data Analysis I	2	2	C
21 01 1210 00	Ordinary Differential Equations	2	2	C
03 02 0220 00	Organic Chemistry	6	2	C
03 13 0063 00	Physics	6	2	C

Advanced Biobased and Biosinspired Materials - in English

Course Code	Course Title	ETC	Sem.	Exam
03 21 0188 00	Biomaterials Science and Technology	6	4	C
03 14 0155 00	Engineering Graphics	2	4	C
03 28 0029 00	Nanomaterials	6	4	C
03 21 0189 00	Sustainable Methods of the Biobased Materials Production	6	4	C
03 21 0190 00	Tuning of Biobased Materials' Applicabilities	6	4	C

Architecture - implementation since academic years 2019/2020 - in English

Course Code	Course Title	ETC	Sem.	Exam
06 65 1907 01	Basics of Construction Design in Architecture II	2	2	C
06 08 1901 01	Basics of Geodesy and Cartography	1	2	C
06 07 1901 01	Descriptive Geometry	3	2	C
06 07 1903 01	Freehand Drawing and Painting Studio II	3	2	C
06 40 1902 01	History of Architecture and Town Planning II	3	2	C
06 65 1906 01	Information technologies II	3	2	C
06 65 1908 01	Introduction to Computer Methods in Architecture	3	2	C
06 42 1901 01	Principles of Architectural Design 1 and Ergonomics	6	2	C
06 65 1909 01	Principles of Art Composition II and Presentation	2	2	C

Course Code	Course Title	ETC	Sem.	Exam
06 12 1901 01	Structural Mechanics	3	2	C

Architecture - starting from 2018/2019 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
06 21 1807 00	Advanced 3D Modelling	2	4	C
06 18 1811 00	Building structures - reinforced concrete	2	4	C
06 40 1815 00	History of Town Planning	2	4	C
06 46 1804 00	Interior Design Studio	2	4	C
06 26 1801 00	Team Project - PBL	10	4	C
06 42 1845 00	Theory of Architectural Design I	1	4	C

Architecture Engineering - starting from 2013/14 academic year - in English

Architecture Engineering - starting from 2017/2018 academic year - in English

Biomedical Engineering - starting from 2016/17 academic year - in English

Biomedical Engineering - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
02 65 5803 00	Image Processing and Computer Graphics	6	4	C
02 84 4008 00	Introduction to Medical Sciences	3	4	C
03 21 0156 00	Sensors	7	4	C
02 96 6084 00	Team Project	10	4	C

Biomedical Engineering and Technologies - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0245 00	Computer Aided Design	3	2	C
02 05 6297 00	Electronics and Electrical Engineering	5	2	C
00 01 1117 00	Engineering Drawing	2	2	C
01 31 0244 00	Fundamentals of Programming	4	2	C
21 01 1284 00	Mathematics 2	7	2	C
01 31 0269 00	Mechanical Engineering (Mechanical Engineering (Mechanika))	3	2	C

Course Code	Course Title	ETC	Sem.	Exam
07 01 1203 19	Modern Physics	3	2	C

Biotechnology - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
05 36 0110 01	Biochemistry	7	4	C
05 36 0023 01	Genetics	2	4	C
05 36 0025 01	Microbiology	5	4	C
05 36 0028 01	Team Project	10	4	C
05 36 0087 01	Tissue and Cell Culture	2	4	C

Biotechnology - starting from 2012/13 academic year - in English

Business and Technology - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0255 00	Computer Aided Design	3	2	C
02 05 6286 00	Electronics and Electrical Engineering	3	2	C
01 31 0254 00	Fundamentals of Programming	4	2	C
21 01 1249 00	Mathematics 2	8	2	C
01 31 0258 00	Mechanical Engineering (Mechanical Engineering (Mechanika))	3	2	C
07 01 1201 19	Modern Physics	3	2	C

Business and Technology - starting from 2013/14 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
09 82 1220 01	Industrial Placement	13	8	C

Business and Technology - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
09 82 1030 01	Macroeconomics	2	4	C
01 31 0076 01	Manufacturing	5	4	C
09 82 1210 03	Operation Management (Operation Management (Zarządzanie produkcją))	6	4	C

Course Code	Course Title	ETC	Sem.	Exam
09 82 1650 00	Statistics with Elements of Econometrics	3	4	C
09 82 1190 02	Team Project	10	4	C

Computer Science - in English

Course Code	Course Title	ETC	Sem.	Exam
02 53 5177 00	Algorithms and Data Structures	6	2	C
02 56 6225 00	Computer Networks	6	2	C
21 01 1288 00	Mathematics 2	6	2	C
02 52 6414 00	Programming and Data Structures	6	2	C

Computer Science - starting from 2016/17 academic year - in English

Computer Science - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
02 54 5867 00	Computer Architecture	5	4	C
02 56 6186 00	Interactive Web Applications	3	4	C
02 04 6083 00	Numerical Methods	5	4	C
02 60 6158 00	Software Engineering	3	4	C
02 96 6089 00	Team Project	10	4	C

Electrical Engineering from 2018/2019 - in English

Course Code	Course Title	ETC	Sem.	Exam
02 25 5792 00	Electric Power Engineering 1	2	4	C
02 23 5763 00	Electric Machines 2	5	4	C
02 66 5784 00	Control Systems	6	4	C
02 27 6242 00	Electrical Equipment & Compatibility	5	4	C
02 34 5786 00	Heat & Flow	4	4	C
02 36 6213 00	Signals and Communication Systems	4	4	C

Electrical Engineering from 2019/2020 - in English - in English

Course Code	Course Title	ETC	Sem.	Exam
02 10 4608 00	Electrical Principles 2	4	2	C
02 09 5878 00	Engineering Industry&Profession	4	2	C
21 01 1278 00	Mathematics 2	5	2	C
02 13 6305 00	Measurements & Instrumentation 1	3	2	C
02 03 5895 00	none	3	2	C
02 07 4088 00	none	3	2	C
02 02 5293 00	Physics 2	5	2	C

Electronic and Telecommunication Engineering - in English

Course Code	Course Title	ETC	Sem.	Exam
02 40 6178 00	Digital Systems	4	2	C
02 03 5886 00	Information Technologies 2	3	2	C
02 52 6401 00	Introduction to programming	3	2	C
21 01 1271 00	Mathematics 2	6	2	C
02 13 6294 00	Metrology 2	3	2	C
02 37 6255 00	Semiconductor Devices	4	2	C
02 21 5880 00	Signals and Systems	4	2	C

European Project Semester

Course Code	Course Title	ETC	Sem.	Exam
00 16 0041 00	EPS Project	20	0	C
22 91 1402 11	Team Building and Communication for Projects	4	0	C
22 91 7400 06	Polish Language and Culture	2	0	C
02 96 3610 00	Project Management	2	0	C
09 82 1675 00	Innovation for Projects	2	0	C

Gestion et Technologie - in French

Course Code	Course Title	ETC	Sem.	Exam
01 31 0262 00	Computer Aided Design	3	2	C
02 05 6287 00	Electronic and Electrical Engineering	3	2	C

Course Code	Course Title	ETC	Sem.	Exam
02 03 5889 00	Information Technology 2	4	2	C
21 01 1247 00	Mathematiques 2 (Mathematics 2)	8	2	C
01 31 0263 00	Mécanique	3	2	C
21 02 1097 00	Physique moderne (Modern Physics)	3	2	C

Gestion et Technologie - starting from 2013/14 academic year - in French

Course Code	Course Title	ETC	Sem.	Exam
09 82 1468 00	Stage professionnel (Industrial Placement)	13	8	C

Gestion et Technologie - starting from 2017/18 academic year - in French

Course Code	Course Title	ETC	Sem.	Exam
00 13 1014 00	Gestion de la production (Production Management)	6	4	C
00 13 1011 00	Macroéconomie (Macroeconomics)	2	4	C
09 82 1463 01	Processus de fabrication (Manufacturing)	5	4	C
09 82 1190 03	Projet en groupe (Team Project)	10	4	C
21 01 4024 22	Statistique et les bases de l'économetrié (Statistics with Elements of Econometrics)	3	4	C

Industrial Biotechnology - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0249 00	Computer Aided Design	3	2	C
01 31 0248 00	Fundamentals of Programming	4	2	C
21 01 1286 00	Mathematics 2	6	2	C
07 01 1204 19	Modern Physics	3	2	C
05 36 0130 19	Organic Chemistry 1	3	2	C
05 36 0129 19	none	5	2	C

Information Technology - in English

Course Code	Course Title	ETC	Sem.	Exam
07 67 2040 19	Computer Aided Design	3	2	C
07 67 2020 19	Computer Architecture and Low-Level Programming	3	2	C
07 67 2010 19	Electronics Foundation	3	2	C
21 01 1255 00	Mathematics 2	8	2	C
07 67 2050 19	Modern Physics	3	2	C
07 67 2030 19	Operating Systems	4	2	C

Information Technology - starting from 2012/13 academic year - in English

Information Technology - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
07 67 4010 17	Component Programming	6	4	C
07 67 4030 17	Embedded Systems	4	4	C
07 67 4020 17	Fundamentals of Databases	6	4	C
07 67 4040 17	Team Project	10	4	C

Management - in English

Course Code	Course Title	ETC	Sem.	Exam
09 50 2500 00	Brand Management	5	4	C
09 22 1500 00	External Sources of Financing Companies	3	4	C
09 11 2220 01	Fundamentals of Research Methodology	3	4	C
09 40 3510 00	Innovation Management	4	4	C
09 74 2500 00	Occupational Safety Management	5	4	C
09 40 3505 00	Organizational Techniques	4	4	C
09 40 3605 00	Start-up	5	6	C
09 40 3600 00	Intellectual Property Protection	3	6	C

Management - in English

Course Code	Course Title	ETC	Sem.	Exam
21 01 1268 00	Applied Mathematics	4	2	C
09 55 2200 01	Common Market	4	2	C

Course Code	Course Title	ETC	Sem.	Exam
09 22 1141 01	Finance	5	2	C
09 40 2242 00	Fundamentals of strategic thinking	2	2	C
09 40 2201 01	Organization Science	4	2	C

Mechanical Engineering - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0204 00	Basic Mechanical Engineering	7	2	C
01 31 0205 00	Computer Aided Design	3	2	C
01 31 0207 00	Fundamentals of Programming	4	2	C
21 01 1280 00	Mathematics 2	7	2	C
07 01 1202 19	Modern Physics	3	2	C

Mechanical Engineering and Applied Computer Science - starting from 2012/13 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0082 00	Industrial Placement	15	8	C

Mechanical Engineering and Applied Computer Science - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0059 01	Advanced Mechanical Engineering	5	4	C
01 31 0058 00	Design and Maintenance of Machines	5	4	C
21 01 4001 11	Mathematics 4	6	4	C
01 31 0081 00	Team Project	10	4	C

Science and Technology - in English

Course Code	Course Title	ETC	Sem.	Exam
07 59 1201 19	Analytical Mechanics	2	2	C
01 31 0252 00	Computer Aided Design	3	2	C
02 05 6285 00	Electronics and Electrical Engineering	4	2	C
07 59 1202 19	Information Technologies II	4	2	C

Course Code	Course Title	ETC	Sem.	Exam
21 01 1241 00	Mathematics 2: Mathematical Analysis 2	4	2	C
21 01 1243 00	Mathematics 2: Ordinary Differential Equations	3	2	C
21 01 1242 00	Mathematics 2: Series	1	2	C
07 59 1203 19	Modern Physics	3	2	C

Science and Technology - starting from 2016/2017 academic year - in English

Science and Technology - starting from 2017/2018 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
07 59 2411 60	Laser Technology	2	4	C
07 59 0011 60	Photonics Laboratory	3	4	C
07 59 0007 60	Solid Crystals. Technology and Application	2	4	C
07 59 4444 60	Team Project	10	4	C
07 59 1400 70	Wave Optics	4	4	C

Telecommunications and Computer Science - starting from 2016/17 academic year - in English

Telecommunications and Computer Science - starting from 2017/18 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
02 54 5864 00	Computer Architecture	4	4	C
02 37 6239 00	Electronic Circuits 1	5	4	C
02 42 6169 00	Microelectronics	3	4	C
02 36 6167 00	Signal Processing 1	4	4	C
02 96 6083 00	Team Project	10	4	C

Advanced Mechanical Engineering - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0232 00	Design	5	2	C
09 82 1274 00	Entrepreneurship&Management	2	2	C
01 31 0233 00	Rapid Prototyping and Modern Manufacturing	6	2	C

Course Code	Course Title	ETC	Sem.	Exam
22 91 1531 20	Professional Language Skills 2	1	2	C
01 31 0234 00	Research Project	7	2	C
01 31 0231 00	Fatique of Gears and Shafts	6	2	C

Advanced Mechanical Engineering - in English

Course Code	Course Title	ETC	Sem.	Exam
01 31 0124 00	Advanced Mechanical Project	30	3	C
01 31 0120 00	Industrial Placement	7	4	C

Architecture - implementation since academic years 2019/2020 - in English

Biotechnology - in English

Computer Science and Information Technology - starting from 2016/17 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
07 68 3095 20	Industrial Placement	4	3	C
07 68 3010 20	Modern Content Management Techniques	3	3	C
07 68 3036 20	Systems For Enterprises	3	3	C

Electronics and Telecommunications - Applied Electronics - in English

Course Code	Course Title	ETC	Sem.	Exam
02 27 6240 00	Electromagnetic Compatibility	4	2	C
02 12 5874 00	Equipment Design and Material Engineering	5	2	C
02 48 6090 00	Micro and Nanotechnology for Electronics	5	2	C
02 42 6179 00	Microassembly Technology	5	2	C
02 34 5785 00	Thermal Management	4	2	C

Energy Systems in the Built Environment

Industrial Biotechnology - in English

Management - in English

Course Code	Course Title	ETC	Sem.	Exam
09 02 5010 01	Placement - 4 weeks	4	4	C

Management - in English

Course Code	Course Title	ETC	Sem.	Exam
05 37 0063 00	Civil Law	3	2	C
09 82 1550 01	Financial Management in Business	6	2	C
09 82 1260 03	Management Concepts (PBL)	5	2	C
09 82 1620 01	Negotiations	4	2	C
00 13 1221 00	Operations Research	5	2	C
22 91 1531 20	Professional Language Skills 2	1	2	C
00 13 1222 00	Tools in HR	5	2	C

Management and Production Engineering - in English

Course Code	Course Title	ETC	Sem.	Exam
00 13 1212 00	Decision Support Systems	4	2	C
00 13 1213 00	Logistics in Production	5	2	C
00 13 1214 00	Process Engineering	4	2	C
22 91 1531 20	Professional Language Skills 2	1	2	C
09 82 1520 02	Quality Management Systems	5	2	C
00 13 1215 00	Systems of Occupational Safety Management	2	2	C
04 51 0041 30	Product Design	5	2	C

Management and Production Engineering - starting from 2018/19 academic year - in English

Course Code	Course Title	ETC	Sem.	Exam
09 82 1545 00	Placement	4	4	C