



FACULTY OF ELECTRICAL ENGINEERING, ELECTRONIC AND AUTOMATION

Dear Students, Dear Partners,

**This is a list of courses from the curricula in the Faculty of EEEA,
from which one can select courses offered in a foreign language
in academic year 2017/2018!**

**The summary of these courses can be found
in the ECTS package of the Faculty!**

COURSES IN ENGLISH

| Code | Subjects | ECTS credits | Teacher |
|-----------------------|---------------------|--------------|--|
| BACHELOR LEVEL | | | |
| S02519 | Mathematics 1 | 7 | Assoc. Prof. Yuriy Kandilarov, PhD Assoc. Prof. Tsetska Rashkova, PhD |
| S00846 | Mathematics 2 | 6 | Assoc. Prof. Yuliya Chaparova, PhD Assoc. Prof. Miglena Koleva, PhD |
| S03035 | Mathematics 3 | 4 | Assoc. Prof. Iliyana Raeva, PhD Prof. Lyuben Valkov, PhD |
| S00415 | Mathematics 1 | 7 | Assoc. Prof. Yuriy Kandilarov, PhD Assoc. Prof. Emiliya Velikova, PhD |
| S02793 | Mathematics 2 | 5 | Assoc. Prof. Yuliya Chaparova, PhD Assoc. Prof. Miglena Koleva, PhD |
| S03065 | Mathematics 3 | 4 | Assoc. Prof. Iliyana Raeva, PhD Prof. Lyuben Valkov, PhD |
| S00999 | Higher Mathematics | 5 | Assoc. Prof. Tsetska Rashkova, PhD |
| S01807 | Applied Mathematics | 5 | Prof. Lyuben Valkov, PhD Assoc. Prof. Iliyana Raeva, PhD |
| S03245 | Economics | 4 | Assoc. Prof. Dafina Doneva, PhD Assist. Prof. Alexander Kosuliev, PhD Assist. Prof. Petar Penchev, PhD Assist. Prof. Elizar Stanev, PhD |
| S03159 | Marketing | 4 | Prof. Diana Antonova, PhD Assist. Prof. Milena Todorova, PhD |

| | | | |
|--------------------|--|---|--|
| S03160 | International Economics | 4 | Prof. Dyanko Minchev, DS Assist. Prof. Alexander Kosuliev, PhD |
| S03161 | Company Management | 4 | Assist. Prof. Svilen Kunev, PhD Assoc. Prof. Emil Kotsev, PhD |
| S03162 | Industrial Economics | 4 | Assist. Prof. Alexander Kosuliev, PhD Assist. Prof. Petar Penchev, PhD Assist. Prof. Elizar Stanev, PhD |
| SB11273 | Company Culture and Business Ethics | 3 | Prof. Yuliana Popova, PhD |
| SB11271 | Business Communication and Public Relations | 3 | Assist. Prof. Nataliya Venelinova, PhD |
| SB11272 | Business Negotiations and Correspondence | 3 | Assist. Prof. Nataliya Venelinova, PhD |
| S03105 S03153 | Economics | 4 | Assoc. Prof. Dafina Doneva, PhD Assist. Prof. Alexander Kosuliev, PhD Assist. Prof. Petar Penchev, PhD Assist. Prof. Elizar Stanev, PhD |
| S00421 | Theory of Electrical Engineering | 7 | Assoc. Prof. Boris Evstatiev, PhD |
| S00377 | Theory of Electrical Engineering – 1 | 5 | Assoc. Prof. Boris Evstatiev, PhD |
| S03145 | Theory of Electrical Engineering – 2 | 5 | Assoc. Prof. Boris Evstatiev, PhD |
| S03110 | Communication Circuits | 5 | Assist. Prof. Adriana Borodzhieva, PhD |
| S00311 | Electrical Engineering and Electronics | 6 | Assoc. Prof. Boris Evstatiev, PhD |
| SB12028 SB13684 | Electrical Engineering | 5 | Assoc. Prof. Nadezhda Evstatieva, PhD |
| S01975 | Electrical Engineering and Electronics | 5 | Assoc. Prof. Nadezhda Evstatieva, PhD |
| S00133 | Electrical Safety | 2 | Assoc. Prof. Ivaylo Stoyanov, PhD |
| SB10662 | Electronic Materials | 4 | Assoc. Prof. Ognjan Dinolov, PhD |
| S00411 | Electrical Material Science | 5 | Assoc. Prof. Ivaylo Stoyanov, PhD |
| S00775 | Short Circuits | 5 | Assoc. Prof. Ognyan Dinolov, PhD |
| S03243 | Lighting and installation equipment | 7 | Assoc. Prof. Orlin Petrov, PhD |
| S03238 | Electric Power Stations and Substations Engineering | 7 | Assoc. Prof. Ognyan Dinolov, PhD |
| S03239 | Electric Power Stations and Substations Engineering – Course Project | 4 | Assoc. Prof. Ognyan Dinolov, PhD |
| S03250 | Protective relaying | 6 | Assoc. Prof. Ognyan Dinolov, PhD |
| SB10647 | Renewable Energy Sources and Technologies | 8 | Prof. Nikola Mihaylov, PhD, DHC |
| S03248 | Semiconductor Devices | 5 | Assoc. Prof. Krasimira Shtereva, PhD Assist. Prof. Yavor Neikov, PhD |
| S00756 | Analog Devices 1 | 6 | Assoc. Prof. Anelia Manukova, PhD Assist. Prof. Seher Kadirova, PhD |
| S03192 | Signals and Systems | 7 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| S03199 | Analog Devices 2 | 5 | Assoc. Prof. Anelia Manukova, PhD Assist. Prof. Seher Kadirova, PhD |
| S03210 | Automation of Design in Electronics | 6 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD Assist. Prof. Seher Kadirova, PhD |

| | | | |
|------------------|---|---|--|
| S03212 | Microelectronics | 4 | Assoc. Prof. Krasimira Shtereva, PhD |
| S03220 | Microelectronic Circuits | 4 | Assoc. Prof. Krasimira Shtereva, PhD |
| S03206 | Design and Technology of Electronic Systems | 6 | Prof. Ivan Evstatiev, MEng, PhD Assist. Prof. Seher Kadirova, PhD Assist. Prof. Yavor Neikov, PhD |
| SB11464 | Special and Power Semiconductor Components | 3 | Assist. Prof. Seher Kadirova, PhD |
| S00592 | Teaching Practice | 3 | Assist. Prof. Seher Kadirova, PhD |
| SB11463 | Broadcasting Equipment | 6 | Assoc. Prof. Valentin Mutkov, PhD |
| SB11472 | Television and Video Equipment | 3 | Assoc. Prof. Valentin Mutkov, PhD |
| S03172 S03179 | Process control – 1,2 | 6 | Prof. Miroljub Mladenov, PhD |
| S03128 | Computer vision | 6 | Prof. Miroljub Mladenov, PhD |
| S03175 | Computer Control Systems - 2 | 6 | Prof. Plamen Daskalov, PhD |
| S03176 | Industrial Communication Networks of Computer Control Systems | 6 | Prof. Plamen Daskalov, PhD |
| S03152 | Control Theory-1 | 4 | Assoc. Prof. Georgi Lehov, PhD |
| S07432 | Control Theory-2 | 5 | Assoc. Prof. Donka Ivanova, PhD |
| S03169 | System Identification | 6 | Assist. Prof. Stanislav Penchev, PhD |
| SB10703 | Automatization of Quality Control | 6 | Assist. Prof. Stanislav Penchev, PhD |
| S03154 | Electromechanical devices | 6 | Ass. Prof. Venelin Yakov |
| S03167 | Control of Electromechanical Systems | 6 | Assoc. Prof. Emil Kuzmanov, PhD Assoc. Prof. Venelin Iakov, PhD |
| S03063 | Synthesis and Analysis of Logic Devices | 6 | Assoc. Prof. Nadezhda Evstatieva, PhD Assoc. Prof. Vladimir Mateev, PhD Assist. Prof. Adriana Borodzhieva, PhD |
| S02520 | Programming and Computer Applications 1 | 4 | Prof. Tzvetomir Vassilev, PhD |
| S01045 | Programming and Computer Applications 2 | 5 | Prof. Tzvetomir Vassilev, PhD |
| S00417 | Programming 1 | 7 | Prof. Tzvetomir Vassilev, PhD |
| S00420 | Programming 2 | 6 | Prof. Tzvetomir Vassilev, PhD |
| S00070 | Programming | 7 | Prof. Tzvetomir Vassilev, PhD |
| S03062 | Synthesis and Analysis of Algorithms | 6 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S03074 | System Programming | 4 | Assoc. Prof. Tsvetozar Georgiev, PhD Assoc. Prof. Georgi Georgiev, PhD |
| SB11277 | Multimedia Systems and Technologies | 4 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S03067 | Databases | 6 | Assoc. Prof. Irena Valova, PhD Assoc. Prof. Silyan Arsov, PhD |
| S03076 | Design Technology | 4 | Assoc. Prof. Anelia Ivanova, PhD Assoc. Prof. Galina Ivanova, PhD |
| S03070 | Computer Organization | 6 | Assoc. Prof. Anelia Ivanova, PhD Assoc. Prof. Galina Ivanova, PhD |
| S03062 | Synthesis and Analysis of Algorithms | 6 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S03092 | Singe-chip Microcontrollers | 5 | Assist. Prof. Orlin Tomov, PhD |
| S03094 | Language Processors | 5 | Assoc. Prof. Anelia Ivanova, PhD |
| S03071 | Computer Graphics | 5 | Assoc. Prof. Svetlana Stefanova, PhD |
| S03085 | Artificial Intelligence | 4 | Assoc. Prof. Svetlana Stefanova, PhD |
| SM11289 | Computer Graphics Systems | 4 | Assoc. Prof. Svetlana Stefanova, PhD |

| | | | |
|---------|---|---|---|
| SM11276 | Computer Networks | 5 | Prof. Georgi Krastev, PhD, DSc Assist. Prof. Rumen Kozhuharov, MEng |
| SM11283 | Local Area Networks | 4 | Assoc. Prof. Georgi Krastev, PhD, DSc Assist. Prof. Orlin Tomov, PhD |
| S03081 | Cryptography and Data Protection | 5 | Assist. Prof. Emilia Golemanova, PhD |
| S03079 | Programming Languages | 6 | Assoc. Prof. Georgi Georgiev, PhD Assist. Prof. Julia Zlateva, MEng |
| S03064 | Web Design | 5 | Assoc. Prof. Georgi Georgiev, PhD Assist. Prof. Yordan Kalmukov, PhD |
| S03083 | Reliability and Diagnostics of Computer Systems | 5 | Assoc. Prof. Galina Ivanova, PhD |
| S03073 | Software Engineering | 7 | Assoc. Prof. Galina Ivanova, PhD |
| S01895 | Software Engineering | 5 | Assoc. Prof. Galina Ivanova, PhD |
| SB11279 | Integrated Environments | 5 | Assoc. Prof. Silyan Arsov, PhD Assist. Prof. Elitsa Ibryamova, PhD |
| S03110 | Digital Signal Processing | 6 | Prof. Borislav Bedzhev, DSc Assist. Prof. Ivanka Tsvetkova, PhD |
| S03139 | Coding in Telecommunication Systems | 3 | Prof. Borislav Bedzhev, DSc Assist. Prof. Adriana Borodzhieva, PhD |
| S03119 | Microprocessor Systems | 7 | Assoc. Prof. Yoana Ruseva, PhD Assoc. Prof. Nina Bencheva, PhD |
| S03072 | Data Transfer and Computer Communications | 6 | Assist. Prof. Elena Ivanova, PhD |
| S03116 | Teletraffic Engineering | 6 | Assist. Prof. Elena Ivanova, PhD |
| S03137 | Digital Television Systems | 4 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |
| S03121 | Television systems | 6 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |
| S03137 | Video Communication Devices and Systems | 3 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |
| S01690 | Digital Communication Channels | 5 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |
| S03126 | Communication Networks and Systems | 6 | Assoc. Prof. Georgi Hristov, PhD Assoc. Prof. Plamen Zahariev, PhD |
| S03130 | Wireless Technologies for Data Transfer | 5 | Assoc. Prof. Georgi Hristov, PhD Assoc. Prof. Plamen Zahariev, PhD |
| SB13734 | Network Administration | 5 | Assoc. Prof. Georgi Hristov, PhD Assoc. Prof. Plamen Zahariev, PhD |

MASTER LEVEL

| | | | |
|---------|--|---|--|
| S00313 | Data Acquisition Computer Systems | 6 | Prof. Plamen Daskalov, PhD |
| S00316 | Intelligent Systems | 5 | Prof. Miroljub Mladenov, PhD |
| S00312 | Embedded control systems | 5 | Prof. Plamen Daskalov, PhD, Assist. Prof. Stanislav Penchev, PhD |
| S00716 | Computer control of electromechanical systems | 5 | Assoc. Prof. Venelin Yakov, PhD |
| SB12942 | Biomedical Engineering | 3 | Assoc. Prof. Anelia Manukova, PhD |
| S00330 | Power electronics | 3 | Assist. Prof. Seher Kadirova, PhD |
| SB12939 | Electronic devices for control of renewable energy sources | 5 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| SB14164 | Electronic systems for car energy supply control from renewable energy sources | 4 | Prof. Ivan Evstatiev, PhD Assoc. Prof. Krasimira Shtereva, PhD Assist. Prof. Yavor Neikov, PhD |

| | | | |
|---------|---|---|---|
| SB12938 | Telecommunication Engineering | 6 | Assoc. Prof. Valentin Mutkov, PhD |
| SB14159 | Communication technique and specialized automotive networks | 5 | Assoc. Prof. Valentin Mutkov, PhD |
| S00261 | Mobile Technologies | 5 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S00255 | Virtual Instruments | 4 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S00274 | Computer Games | 4 | Prof. Georgi Krastev, PhD, DSc |
| SB13955 | Programming Systems for Business Modelling | 3 | Assoc. Prof. Silyan Arsov, PhD Assist. Prof. Elitsa Ibryamova, PhD |
| SB13075 | Design and architectures of the video systems | 3 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |
| SB13071 | Multimedia Communication Systems | 4 | Assoc. Prof. Teodor Iliev, PhD Assist. Prof. Grigor Mihaylov, PhD |

COURSES IN RUSSIAN

| Code | Subjects | ECTS credits | Teacher |
|-----------------------|---|--------------|--|
| BACHELOR LEVEL | | | |
| S02519 | Mathematics 1 | 7 | Assoc. Prof. Yuriy Kandilarov, PhD Assoc. Prof. Tsetska Rashkova, PhD |
| S03035 | Mathematics 3 | 4 | Assoc. Prof. Iliyana Raeva, PhD Prof. Lyuben Valkov, PhD |
| S00415 | Mathematics 1 | 7 | Assoc. Prof. Yuriy Kandilarov, PhD Assoc. Prof. Emiliya Velikova, PhD |
| S03065 | Mathematics 3 | 4 | Assoc. Prof. Iliyana Raeva, PhD Prof. Lyuben Valkov, PhD |
| S01807 | Applied Mathematics | 5 | Assoc. Prof. Iliyana Raeva, PhD Prof. Lyuben Valkov, PhD |
| S00421 | Theory of Electrical Engineering | 7 | Assoc. Prof. Boris Evstatiev, PhD Ass. Prof. Dimcho Kiryakov, PhD |
| S00377 | Theory of Electrical Engineering - 1 | 5 | Assoc. Prof. Boris Evstatiev, PhD Ass. Prof. Dimcho Kiryakov, PhD |
| S03145 | Theory of Electrical Engineering - 2 | 5 | Assoc. Prof. Boris Evstatiev, PhD Ass. Prof. Dimcho Kiryakov, PhD |
| S00311 | Electrical Engineering and Electronics | 6 | Assoc. Prof. Boris Evstatiev, PhD |
| SB12028 SB13684 | Electrical Engineering | 5 | Assoc. Prof. Nadezhda Evstatieva, PhD |
| S01975 | Electrical Engineering and Electronics | 5 | Assoc. Prof. Nadezhda Evstatieva, PhD |
| S03243 | Lighting and installation equipment | 7 | Assoc. Prof. Orlin Petrov, PhD |
| SB10655 | Lighting Equipment | 3 | Assoc. Prof. Orlin Petrov, PhD |
| SB10646 | Electrical Power Supply | 8 | Assoc. Prof. Viara Ruseva, PhD |
| S03249 | Electrical Power Supply- Course Project | 4 | Assoc. Prof. Viara Ruseva, PhD |
| S03238 | Electric Power Stations and Substations Engineering | 7 | Assoc. Prof. Liudmil Mihailov, PhD |
| S03239 | Electric Power Stations and Substations Engineering – | 4 | Assoc. Prof. Liudmil Mihailov, PhD |

| | | | |
|---------------------|--|---|--|
| | Course Project | | |
| S03250 | Protective relaying | 6 | Assoc. Prof. Liudmil Mihailov, PhD |
| S00775 | Short Circuits | 5 | Assoc. Prof. Liudmil Mihailov, PhD |
| SB10647 | Renewable Energy Sources and Technologies | 8 | Prof. Krasimir Martev, PhD |
| S03237 | Electrical Apparatuses | 5 | Prof. Krasimir Martev, PhD |
| S03232 | Electrical Networks and Systems | 6 | Assoc. Prof. Ivaylo Stoyanov, PhD |
| S03248 | Semiconductor Devices | 5 | Assoc. Prof. Krasimira Shtereva, PhD |
| S00756 | Analog Devices 1 | 6 | Assoc. Prof. Anelia Manukova, PhD |
| S03192 | Signals and Systems | 7 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| S03199 | Analog Devices 2 | 5 | Assoc. Prof. Anelia Manukova, PhD |
| SB11461 | Automation of Design in Electronics | 6 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| S03212 | Microelectronics | 4 | Assoc. Prof. Krasimira Shtereva, PhD |
| S03220 | Microelectronic Circuits | 4 | Assoc. Prof. Krasimira Shtereva, PhD |
| S03206 | Design and Technology of Electronic Systems | 6 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| S03128 | Computer vision | 6 | Prof. Mirolyub Mladenov, PhD Assist. Prof. Stanislav Penchev, PhD |
| S03169 | System Identification | 6 | Assist. Prof. Stanislav Penchev, PhD |
| SB10703 | Automatization of Quality Control | 6 | Assist. Prof. Stanislav Penchev, PhD |
| S03152 | Control Theory-1 | 4 | Assoc. Prof. Georgi Lehov, PhD |
| S07432 | Control Theory-2 | 5 | Assoc. Prof. Donka Ivanova, PhD |
| S03172 S03179 | Process control – 1,2 | 6 | Prof. Mirolyub Mladenov, PhD |
| S02520 | Programming and Computer Applications 1 | 4 | Prof. Tzvetomir Vassilev, PhD |
| S01045 | Programming and Computer Applications 2 | 5 | Prof. Tzvetomir Vassilev, PhD |
| S00417 | Programming 1 | 7 | Prof. Tzvetomir Vassilev, PhD |
| S00420 | Programming 1 | 6 | Prof. Tzvetomir Vassilev, PhD |
| S00070 | Programming | 7 | Prof. Tzvetomir Vassilev, PhD |
| S03070 | Computer Organization | 6 | Prof. Angel Smrikarov, PhD |
| S03063 | Synthesis and Analysis of Logic Devices | 6 | Assoc. Prof. Nadezhda Evstatieva, PhD Assoc. Prof. Vladimir Mateev, PhD Assist. Prof. Adriana Borodzhieva, PhD |
| S03067 | Databases | 6 | Assoc. Prof. Irena Valova, PhD Assoc. Prof. Silyan Arsov, PhD |
| SM11277 | Multimedia Systems and Technologies | 4 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| SM10677 | Mobile cellular radio networks | 4 | Prof. Mihail Iliev, PhD, DSc |
| S03130 | Wireless Technologies for Data Transfer | 5 | Prof. Mihail Iliev, PhD, DSc |
| S03072 | Data Transfer and Computer Communications | 6 | Prof. Mihail Iliev, PhD, DSc |
| S03115 | Multiplex systems | 5 | Prof. Mihail Iliev, PhD, DSc |
| S03205 | Power Electronics | 5 | Prof. Mihail Iliev, PhD, DSc |
| MASTER LEVEL | | | |
| SM12915 | Measurement and Control in the Electrical Power Supply | 4 | Assoc. Prof. Viara Ruseva, PhD |

| | | | |
|---------|--|---|--|
| SM12942 | Biomedical Engineering | 3 | Assoc. Prof. Anelia Manukova, PhD |
| SM12939 | Electronic devices for control of renewable energy sources | 5 | Prof. Ivan Evstatiev, PhD Assist. Prof. Yavor Neikov, PhD |
| SM14164 | Electronic systems for car energy supply control from renewable energy sources | 4 | Prof. Ivan Evstatiev, PhD Assoc. Prof. Krasimira Shtereva, PhD Assist. Prof. Yavor Neikov, PhD |
| S00316 | Intelligent Systems | 5 | Prof. Mirolyub Mladenov, PhD |
| S00716 | Computer control of electromechanical systems | 5 | Ass. Prof. Venelin Yakov |
| S00261 | Mobile Technologies | 5 | Assoc. Prof. Tsvetozar Georgiev, PhD |
| S00255 | Virtual Instruments | 4 | Assoc. Prof. Tsvetozar Georgiev, PhD |

COURSES IN GERMAN

| Code | Subjects | ECTS credits | Teacher |
|-----------------------|-----------------------|--------------|------------------------------|
| BACHELOR LEVEL | | | |
| S03172 S03179 | Process control – 1,2 | 6 | Prof. Mirolyub Mladenov, PhD |
| S03128 | Computer vision | 6 | Prof. Mirolyub Mladenov, PhD |
| MASTER LEVEL | | | |
| S00316 | Intelligent Systems | 5 | Prof. Mirolyub Mladenov, PhD |

COURSES IN TURKISH

| Code | Subjects | ECTS credits | Teacher |
|-----------------------|-------------------------------------|--------------|--|
| BACHELOR LEVEL | | | |
| S03210 | Automation of Design in Electronics | 6 | Prof. Ivan Evstatiev, PhD Assist. Prof. Seher Kadirova, PhD |