

Studijní plán

Název plánu: Erasmus Mundus Master Course - SpaceMaster II

Sou ást VUT (fakulta/ústav/další): Fakulta elektrotechnická

Katedra:

Obor studia, garantovaný katedrou: Úvodní stránka

Garant oboru studia.:

Program studia: Kybernetika a robotika

Typ studia: Navazující magisterské prezen ní

P edepsané kredity: 120

Kredity z volitelných p edm t : 0

Kredity v rámci plánu celkem: 120

Poznámka k plánu:

Název bloku: Povinné p edm ty programu

Minimální po et kredit bloku: 120

Role bloku: P

Kód skupiny: 2016_SPACEMASTER_2_P

Název skupiny: Compulsory subjects of the programme

Podmínka kredity skupiny: V této skupin musíte získat 120 kredit

Podmínka p edm ty skupiny: V této skupin musíte absolvovat 13 p edm t

Kredity skupiny: 120

Poznámka ke skupině:

Kód	Název p edm tu / Název skupiny p edm t (u skupiny p edm t seznam kód jejích len) Vyu ující, auto i a garanti (gar.)	Zakon ení	Kredity	Rozsah	Semestr	Role
BE3M35CSA	Control Systems for Aircraft and Spacecraft	Z,ZK	7	2P+2L	Z	P
BE3M35DIP	Diploma Thesis	Z	30	22S	L	P
BE3M35ELS	Electronics in Space	Z,ZK	8	2P+2S	L	P
BE3M35IDP	Individual design project	Z	8	0P+6S	Z	P
BE3M35ISP	Introduction to Space Physics	Z,ZK	8	2P+2S	Z	P
BE3M35ORO	Optic- and Radar-based Observations	Z,ZK	8	2P+2S	L	P
BE3M35ORC	Optimal and robust control design	Z,ZK	8	2P+2C	L	P
BE3M35SDY	Space Dynamics	Z,ZK	5	2P+2S	Z	P
BE3M35SPP	Space Physics	Z,ZK	7	2P+2S	Z	P
BE3M35SSM	Space systems, modeling and identification	Z,ZK	7	4P+2C	Z	P
BE3M35SSD	Spacecraft System	Z,ZK	8	2P+2S	Z	P
BE3M35SEI	Spacecraft Environment Interactions	Z,ZK	7	2P+2S	L	P

Charakteristiky p edmet této skupiny studijního plánu: Kód=2016_SPACEMASTER_2_P Název=Compulsory subjects of the programme

BE3M35CSA	Control Systems for Aircraft and Spacecraft	Z,ZK	7
Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35CSA			
BE3M35DIP	Diploma Thesis	Z	30
http://www.fel.cvut.cz/anketa/aktualni/courses/XE35DIP Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35DIP			
BE3M35ELS	Electronics in Space	Z,ZK	8
BE3M35IDP	Individual design project	Z	8
Independent work in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specified by branch department or branch departments. The project will be defended within the framework of a subject. Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35IDP			
BE3M35ISP	Introduction to Space Physics	Z,ZK	8
BE3M35ORO	Optic- and Radar-based Observations	Z,ZK	8
BE3M35ORC	Optimal and robust control design	Z,ZK	8
Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35ORC			
BE3M35SDY	Space Dynamics	Z,ZK	5
BE3M35SPP	Space Physics	Z,ZK	7

BE3M35SSM	Space systems, modeling and identification	Z,ZK	7
The aim of the course is to introduce basic concepts and methods for analysis, modelling and control design of linear dynamical systems such as different kinds of system models (differential equation, transfer function, time and frequency responses, state space models), commonly used concepts of stability (Lyapunov, asymptotic, BIBO), reachability and observability, step response and frequency response based output feedback controller design, state feedback and state observation. The course should serve as an introduction into the world of system analysis and design and should provide the background for study of advanced control design approaches. Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35SSM			
BE3M35SSD	Spacecraft System	Z,ZK	8
BE3M35SEI	Spacecraft Environment Interactions	Z,ZK	7

Seznam p edm t tohoto pr chodu:

Kód	Název p edm tu	Zakon ení	Kredity
BE3M35CSA	Control Systems for Aircraft and Spacecraft Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35CSA	Z,ZK	7
BE3M35DIP	Diploma Thesis http://www.fel.cvut.cz/anketa/aktualni/courses/XE35DIP Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35DIP	Z	30
BE3M35ELS	Electronics in Space	Z,ZK	8
BE3M35IDP	Individual design project	Z	8
Independent work in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specified by branch department or branch departments. The project will be defended within the framework of a subject. Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35IDP			
BE3M35ISP	Introduction to Space Physics	Z,ZK	8
BE3M35ORC	Optimal and robust control design Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35ORC	Z,ZK	8
BE3M35ORO	Optic- and Radar-based Observations	Z,ZK	8
BE3M35SDY	Space Dynamics	Z,ZK	5
BE3M35SEI	Spacecraft Environment Interactions	Z,ZK	7
BE3M35SPP	Space Physics	Z,ZK	7
BE3M35SSD	Spacecraft System	Z,ZK	8
BE3M35SSM	Space systems, modeling and identification The aim of the course is to introduce basic concepts and methods for analysis, modelling and control design of linear dynamical systems such as different kinds of system models (differential equation, transfer function, time and frequency responses, state space models), commonly used concepts of stability (Lyapunov, asymptotic, BIBO), reachability and observability, step response and frequency response based output feedback controller design, state feedback and state observation. The course should serve as an introduction into the world of system analysis and design and should provide the background for study of advanced control design approaches. Výsledek studentské ankety p edm tu je zde: http://www.fel.cvut.cz/anketa/aktualni/courses/XE35SSM	Z,ZK	7

Aktualizace výše uvedených informací naleznete na adrese <http://bilakniha.cvut.cz/cs/f3.html>

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