Studienverlaufsplan Master „Space Sciences and Technologies – Sensing, Processing, Communication" („Space-ST")

<table>
<tr><th rowspan="2">Semester</th><th colspan="3" rowspan="2">Pflichtmodule
(Compulsory Modules),
insgesamt 57 CP</th><th rowspan="2">Master-arbeit
(Master Thesis),
30 CP</th><th rowspan="2">Projekt
(Project),
12 CP</th><th colspan="2">Wahlpflichtbereich
(Compulsory Elective Modules),
12 CP</th><th rowspan="2">Wahlbereich
(Elective Modules),
9 CP</th><th rowspan="2">∑
120 CP</th></tr>
<tr><th>„Physics for Space Observation" (PSO)
(Specialization),
12 CP</th><th>„Information Technologies for Space" (ITS)
(Specialization),
12 CP</th></tr>
<tr><td rowspan="2">1</td><td colspan="3">Foundations (30 CP)</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2">30</td></tr>
<tr><td>AMMDA
Applied Mathematical Methods and Data Analysis,
6 CP</td><td>CTh1(a)
Control Theory 1,
6 CP</td><td>SpEl(a)
Space Electronics,
3 CP</td></tr>
<tr><td rowspan="2">2</td><td colspan="2">Remote Sensing and Communication (27 CP)</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="3">Zwei der folgenden Wahlpflichtmodule müssen absolviert werden:
RFC(a)
RF Frontend Devices and Circuits,
6 CP
und/oder
BiM
BioMEMS,
6 CP
und/oder
DiTe(a)
Digital Technology,
6 CP</td><td rowspan="3">Elective Courses,
9 CP
siehe Anlage 2.4</td><td rowspan="2">30</td></tr>
<tr><td colspan="2">SAMS(a)
Sensors and Measurement Systems,
6 CP</td><td>DIP
Digital Image Processing,
3 CP</td><td>RSOC
Remote Sensing of Ocean and Cryosphere,
6 CP</td></tr>
<tr><td>GNSS
The Global Navigation Satellite System,
3 CP</td><td>LSpa1
Space Lab, Part 1,
3 CP</td><td>AtSp
Atmospheric Spectroscopy,
3 CP</td><td></td><td></td><td>CliS1
Climate System I,
3 CP</td><td></td></tr>
<tr><td>3</td><td>CNSp
Communication Networks for Space,
3 CP</td><td>LSpa2
Space Lab, Part 2,
3 CP</td><td>GG
Geodesy and Gravity,
3 CP</td><td></td><td>PMA, Project,
12 CP</td><td>AtCM1
Atmospheric Chemistry Modelling: Part 1,
3 CP</td><td></td><td></td><td>30</td></tr>
<tr><td>4</td><td></td><td></td><td></td><td>ThsSpa
Module Master Thesis,
30 CP</td><td></td><td></td><td></td><td></td><td>30</td></tr>
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CP = Credit Points