

|  |                          |   |
|--|--------------------------|---|
| <b>Module title</b>  |                          | <b>Abbreviation</b>                         |
| Research in Groups - Dynamical Systems and Control Theory  |                          | 10-M=GDSC-161-m01                           |
| <b>Module coordinator</b>  |                          | <b>Module offered by</b>                    |
| Dean of Studies Mathematik (Mathematics)   |                          | Institute of Mathematics                    |
| <b>ECTS</b>  | <b>Method of grading</b> | <b>Only after succ. compl. of module(s)</b> |
| 10   | numerical grade          | --  |
| <b>Duration</b>  | <b>Module level</b>      | <b>Other prerequisites</b>                  |
| 1 semester   | graduate                 | --  |
| <b>Contents</b>  |                          |   |
| Selected modern topics in dynamical systems and control theory.  |                          |   |
| <b>Intended learning outcomes</b>  |                          |   |
| The student gains insight into contemporary research problems in dynamical systems and control theory. He/ She masters advanced techniques in this field and can apply them to complex problems.   |                          |   |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)   |                          |   |
| V (2) + S (2)<br>Module taught in: German and/or English   |                          |   |
| <b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)   |                          |   |
| talk (60 to 120 minutes)<br>Assessment offered: In the semester in which the course is offered and in the subsequent semester<br>Language of assessment: German or English   |                          |   |
| <b>Allocation of places</b>  |                          |   |
| --   |                          |   |
| <b>Additional information</b>  |                          |   |
| --   |                          |   |
| <b>Workload</b>  |                          |   |
| 300 h  |                          |   |
| <b>Teaching cycle</b>  |                          |   |
| --   |                          |   |
| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)   |                          |   |
| --   |                          |   |
| <b>Module appears in</b>   |                          |   |
| Master's degree (1 major) Mathematics (2016)<br>Master's degree (1 major) Economathematics (2016)<br>Master's degree (1 major) Mathematical Physics (2016)<br>Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)<br>Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)<br>Master's degree (1 major) Mathematics (2019)<br>Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)<br>Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)<br>Master's degree (1 major) Mathematical Physics (2020)<br>Master's degree (1 major) Economathematics (2021)<br>Master's degree (1 major) Computational Mathematics (2022)<br>Master's degree (1 major) Mathematics (2022)<br>Master's degree (1 major) Mathematical Physics (2022)<br>Master's degree (1 major) Economathematics (2022) |                          |   |



exchange program Mathematics (2023)