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| <b>Module title</b>   |                              | <b>Abbreviation</b>  |
| Practical course in software for students of Space- and Aerospace Computer Science  |                              | 10-I-SWP-LURI-172-m01  |
| <b>Module coordinator</b>   |                              | <b>Module offered by</b>   |
| Dean of Studies Informatik (Computer Science)   |                              | Institute of Computer Science  |
| <b>ECTS</b>   | <b>Method of grading</b>     | <b>Only after succ. compl. of module(s)</b>  |
| 10  | (not) successfully completed | 10-I-GdP, 10-I-MEC, 10-I-ST  |
| <b>Duration</b>   | <b>Module level</b>          | <b>Other prerequisites</b>   |
| 1 semester  | undergraduate                | In addition, the knowledge and skills acquired in module 10-I-ADS are required. Prior attendance of this module is therefore highly recommended. |
| <b>Contents</b>   |                              |  |
| Completion of a project assignment in groups, problem analysis, creation of requirements specifications, specification of solution components (e. g. UML) and milestones, user manual, programming documentation, presentation and delivery of the runnable software product in a colloquium. |                              |  |
| <b>Intended learning outcomes</b>   |                              |  |
| The students possess the practical skills for the design, development and execution of a software project in small teams.   |                              |  |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)  |                              |  |
| P (6)   |                              |  |
| <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)  |                              |  |
| practical project (Completion of a larger software project in groups (approx. 300 hours per person) and final presentation (approx. 10 minutes per group)   |                              |  |
| <b>Allocation of places</b>   |                              |  |
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| <b>Additional information</b>   |                              |  |
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| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)  |                              |  |
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| <b>Module appears in</b>  |                              |  |
| Bachelor' degree (1 major) Aerospace Computer Science (2017)  |                              |  |
| Bachelor' degree (1 major) Aerospace Computer Science (2020)  |                              |  |