

## **Annex SFB**

## Studienfachbeschreibung (subject description, SFB) for the subject Aerospace Computer Science as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Mathematics and Computer Science

Responsible: Institute of Computer Science

Examination regulations version: 2021

Examination regulations version: 2021

Abbreviations used: Course types:  $\mathbf{E} = \text{field trip}$ ,  $\mathbf{K} = \text{colloquium}$ ,  $\mathbf{O} = \text{conversatorium}$ ,  $\mathbf{P} = \text{placement/lab course}$ ,  $\mathbf{R} = \text{project}$ ,  $\mathbf{S} = \text{seminar}$ ,  $\mathbf{T} = \text{tutorial}$ ,  $\mathbf{U} = \text{exercise}$ ,  $\mathbf{V} = \mathbf{V} = \mathbf$ 

= lecture

Term: **SS** = summer semester. **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB

= list of modules

Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)

Conventions for the modules in this SFB: ditable for bonus.

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

Information on Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the meassessment procedures: thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

## ASP02015

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

## 28-Apr-2021 (2021-44)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

| Abbreviation | Module title                |         |                   |                                                                                                                          |                        |                      |              |  |  |  |  |  |
|--------------|-----------------------------|---------|-------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|--------------|--|--|--|--|--|
|              | ECTS Durat                  |         | Duration          | (in semesters)                                                                                                           | Method of grading      |                      | Module level |  |  |  |  |  |
|              | Courses                     |         | To be spe         | To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y |                        |                      |              |  |  |  |  |  |
|              | Method of as                | ssessme | ent               |                                                                                                                          |                        |                      |              |  |  |  |  |  |
|              | Only after su completion of |         | l if applica      | if applicable                                                                                                            |                        |                      |              |  |  |  |  |  |
|              | Other prereq                | uisites | if applica        | if applicable                                                                                                            |                        |                      |              |  |  |  |  |  |
|              | Participants on of places   |         | ocati- if applica | if applicable                                                                                                            |                        |                      |              |  |  |  |  |  |
|              | Additional information      |         | on if applica     | if applicable                                                                                                            |                        |                      |              |  |  |  |  |  |
|              | Referred to in              | n LPO I | if applica        | ble (examination re                                                                                                      | gulations for teaching | g-degree programmes) |              |  |  |  |  |  |

| Electives Field (90     | ECTS o               | redits)    |           |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
|-------------------------|----------------------|------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|-------------------------|---------------------------------------------------------------------|--|--|--|
| Seminars (min. 5 E      | CTS cr               | edits)     |           |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
| 10-Lu-                  | Semi                 | nar 1 - Cu | rrent Top | ics in A                                                                                                                                                                                                                                                                                                                                                                        | erospace Computer                                                                                                                                                    | Science                                    |                          |                         |                                                                     |  |  |  |
| RI=SEM1-202-m01         | ECTS 5 Duration      |            | 1         | 1 semester                                                                                                                                                                                                                                                                                                                                                                      | Method of grading                                                                                                                                                    | numerical grade                            | Modul level              | graduate                |                                                                     |  |  |  |
|                         | Cours                | ses        |           | S (2)                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
|                         | Meth                 | od of asso | essment   |                                                                                                                                                                                                                                                                                                                                                                                 | term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on the topic of the seminar Language of assessment: German and/or English |                                            |                          |                         |                                                                     |  |  |  |
| 10-Lu-                  | Semi                 | nar 2 - Cu | rrent Top | ics in <i>l</i>                                                                                                                                                                                                                                                                                                                                                                 | Aerospace Computer                                                                                                                                                   | Science                                    |                          | '                       |                                                                     |  |  |  |
| RI=SEM2-202-m01         | ECTS                 | 5          | Duratio   | 1                                                                                                                                                                                                                                                                                                                                                                               | 1 semester                                                                                                                                                           | Method of grading                          | numerical grade          | Modul level             | graduate                                                            |  |  |  |
|                         | Cours                | ses        |           | S (2)                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
|                         | Meth                 | od of asso | essment   |                                                                                                                                                                                                                                                                                                                                                                                 | paper (10 to 15 pages<br>lage of assessment:                                                                                                                         |                                            |                          | n subsequent discussion | on the topic of the seminar                                         |  |  |  |
| <b>Aerospace Comput</b> | er Scie              | ence (min  | . 20 ECTS | credit                                                                                                                                                                                                                                                                                                                                                                          | s)                                                                                                                                                                   |                                            |                          |                         |                                                                     |  |  |  |
| 10-LURI=S-              | Spac                 | ecraft Sys | tem Anal  | ysis                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
| SA-202-m01              | ECTS 10 Duratio      |            | 1         | 1 semester                                                                                                                                                                                                                                                                                                                                                                      | Method of grading                                                                                                                                                    | numerical grade                            | Modul level              |                         |                                                                     |  |  |  |
|                         | Courses              |            |           |                                                                                                                                                                                                                                                                                                                                                                                 | + Ü (2)<br>le taught in: English                                                                                                                                     |                                            |                          |                         |                                                                     |  |  |  |
|                         | Method of assessment |            |           | If ann<br>of one<br>date).<br>Langu                                                                                                                                                                                                                                                                                                                                             | e candidate each (ap                                                                                                                                                 | er at the beginning opposes 20 minutes) or | of the course, the writt |                         | replaced by an oral examination<br>s (approx. 15 minutes per candi- |  |  |  |
| 10-LU-                  | Spac                 | ecraft Pro | pulsion   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |
| RI=SP-202-m01           | ECTS                 | 5          | Duratio   |                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                                                                           | Method of grading                          | numerical grade          | Modul level             | graduate                                                            |  |  |  |
|                         | Cours                |            |           | V (2) -                                                                                                                                                                                                                                                                                                                                                                         | + Ü (2)                                                                                                                                                              |                                            |                          |                         |                                                                     |  |  |  |
|                         | Method of assessment |            |           | written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus |                                                                                                                                                                      |                                            |                          |                         |                                                                     |  |  |  |

| 10-LURI=GRF- | Orbita                                              | Mecha    | anics       |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | '                                                                                                                                                                                                                                                                                |                 | ,           |          |  |  |  |  |
|--------------|-----------------------------------------------------|----------|-------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------|--|--|--|--|
| M-212-m01    | ECTS                                                | 10       | Duratio     | n                                          | 1 semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Method of grading                                                                                                                                                                                                                                                                | numerical grade | Modul level | graduate |  |  |  |  |
|              | Course                                              | .S       |             | V (4)                                      | + Ü (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                  |                 | ,           |          |  |  |  |  |
|              | Method                                              | d of ass | sessment    | If anr<br>of on<br>date)<br>or b)<br>Lang  | written examination (approx. 60 to 120 minutes) announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate). r b) project (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) anguage of assessment: German and/or English reditable for bonus |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
| 10-LURI=S-   | Space                                               | Dynam    | ics         |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
| D-202-m01    | ECTS                                                | 5        | Duratio     | n                                          | 1 semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Method of grading                                                                                                                                                                                                                                                                | numerical grade | Modul level | graduate |  |  |  |  |
|              | Course                                              | !S       |             |                                            | + Ü (2)<br>ıle taught in: Engli                                                                                                                                                                                                                                                                                                                                                                                                                                                              | sh                                                                                                                                                                                                                                                                               |                 | ^           |          |  |  |  |  |
|              |                                                     |          |             | If ann<br>of on<br>date)<br>Langu<br>credi | written examination (approx. 90 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: English creditable for bonus                                                                                                                            |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
| 10-LURI=AS-  | Advanced Sensory Systems and Sensor Data Processing |          |             |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
| S-202-m01    | ECTS                                                | 5        | Duratio     |                                            | 1 semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Method of grading                                                                                                                                                                                                                                                                | numerical grade | Modul level | graduate |  |  |  |  |
|              | Course                                              | !S       |             |                                            | V (2) + Ü (2)<br>Module taught in: German and/or English                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
|              | Method of assessment                                |          |             | If anr<br>of on<br>date)<br>Lang           | written examination (approx. 90 to 120 minutes)  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exor of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes   date).  Language of assessment: German and/or English creditable for bonus                                                                                                                           |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
| 10-LURI=IP-  | Interpl                                             | anetar   | / Trajectoi | ries                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                  |                 | ,           |          |  |  |  |  |
| T-202-m01    | ECTS                                                | 5        | Duratio     | n                                          | 1 semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Method of grading                                                                                                                                                                                                                                                                | numerical grade | Modul level | graduate |  |  |  |  |
|              | Course                                              | !S       |             |                                            | / (2) + Ü (2)<br>Module taught in: English                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |                 |             |          |  |  |  |  |
|              | Method of assessment                                |          |             | If anr<br>of on<br>date)<br>Lang           | nounced by the lec<br>e candidate each (<br>•                                                                                                                                                                                                                                                                                                                                                                                                                                                | ation (approx. 90 to 120 minutes) by the lecturer at the beginning of the course, the written examination may be replaced by an oral examinat te each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per can seessment: English conus |                 |             |          |  |  |  |  |

| 10-LU-             | Flugzeugavionik               |          |           |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
|--------------------|-------------------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-------------|----------|--|--|--|--|
| RI=FA-202-m01      | ECTS                          | 5        | Duration  | n .                                                                                                                                                                                                                                                                                                                                                                             | 1 semester                                                                                                                                                                                                                                                                                                                                                                            | Method of grading    | numerical grade | Modul level | graduate |  |  |  |  |
|                    | Course                        | S        |           | V (2) ·                                                                                                                                                                                                                                                                                                                                                                         | + Ü (2)                                                                                                                                                                                                                                                                                                                                                                               |                      |                 | ·           | -        |  |  |  |  |
|                    | Method                        | of ass   | essment   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       | prox. 60 to 120 minu |                 |             |          |  |  |  |  |
|                    |                               |          |           |                                                                                                                                                                                                                                                                                                                                                                                 | announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).                                                                                                                                 |                      |                 |             |          |  |  |  |  |
|                    |                               |          |           | Langu                                                                                                                                                                                                                                                                                                                                                                           | anguage of assessment: German and/or English<br>reditable for bonus                                                                                                                                                                                                                                                                                                                   |                      |                 |             |          |  |  |  |  |
| 10-LURI=SL-        | Selecte                       | ed Topic | s in Aero | space                                                                                                                                                                                                                                                                                                                                                                           | Computing                                                                                                                                                                                                                                                                                                                                                                             |                      |                 |             |          |  |  |  |  |
| R-202-m01          | ECTS                          | 5        | Duration  | 1                                                                                                                                                                                                                                                                                                                                                                               | 1 semester                                                                                                                                                                                                                                                                                                                                                                            | Method of grading    | numerical grade | Modul level | graduate |  |  |  |  |
|                    | Course                        | S        | ,         | V (2) ·                                                                                                                                                                                                                                                                                                                                                                         | + Ü (2)                                                                                                                                                                                                                                                                                                                                                                               | ,                    |                 | ·           | -        |  |  |  |  |
|                    |                               |          |           | b) pro<br>c) ora<br>d) ora<br>Langu<br>credit                                                                                                                                                                                                                                                                                                                                   | o written examination (approx. 60 to 90 minutes) or  project (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic or  oral examination of one candidate each (approx. 20 minutes) or  oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)  anguage of assessment: German and/or English reditable for bonus |                      |                 |             |          |  |  |  |  |
| Robotics and Teler | natics (n                     | nin. 20  | ECTS cred | its)                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
| 10-LU-             | Robotics 1                    |          |           |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
| RI=RO1-202-m01     | ECTS                          | 8        | Duration  |                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                                                                                                                                                                                                                                                                                            | Method of grading    | numerical grade | Modul level | graduate |  |  |  |  |
|                    | Courses                       |          |           | V (4) + Ü (2)<br>Module taught in: German and/or English                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
|                    | Method of assessment          |          |           | written examination (approx. 60 to 90 minutes)  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral ex of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes date).  Language of assessment: German and/or English                                        |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
| 10-LU-             | Roboti                        | CS 2     |           |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
| RI=RO2-202-m01     | ECTS                          | 8        | Duration  | 1                                                                                                                                                                                                                                                                                                                                                                               | 1 semester                                                                                                                                                                                                                                                                                                                                                                            | Method of grading    | numerical grade | Modul level | graduate |  |  |  |  |
|                    | Courses  Method of assessment |          |           |                                                                                                                                                                                                                                                                                                                                                                                 | $V(4) + \ddot{U}(2)$<br>Module taught in: German and/or English                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |
|                    |                               |          |           | written examination (approx. 60 to 90 minutes)  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus |                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |             |          |  |  |  |  |

| 10-LU-           | Autonomous Mobile Systems |                     |            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|------------------|---------------------------|---------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|-------------------|---------------------------------|--|--|--|
| RI=AMS-212-m01   | ECTS                      | 8                   | Duration   | 1                                                                                                                                                                                 | semester                                                                                                                                                                                                                                               | Method of grading num       | nerical grade                    | Modul level       | graduate                        |  |  |  |
|                  | Course                    | S                   |            |                                                                                                                                                                                   | / (4) + Ü (2)                                                                                                                                                                                                                                          |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   | Module taught in: German and/or English                                                                                                                                                                                                                |                             |                                  |                   |                                 |  |  |  |
|                  | Method                    | d of ass            | essment    | written examination (approx. 60 to 120 minutes)  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination      |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-                                                        |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | date).                                                                                                                                                                            | date).<br>Language of assessment: German and/or English<br>Creditable for bonus                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | Languag                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
| 10-LU-           | aD Poir                   | nt Cloud            | l Processi |                                                                                                                                                                                   | Die foi bollus                                                                                                                                                                                                                                         |                             |                                  |                   |                                 |  |  |  |
| RI=3D-202-m01    |                           | 5                   | Duration   |                                                                                                                                                                                   | semester                                                                                                                                                                                                                                               | Method of grading num       | nerical grade                    | Modul level       | graduate                        |  |  |  |
|                  | Courses                   |                     |            | V (2) + Ü                                                                                                                                                                         |                                                                                                                                                                                                                                                        | method of grading   man     | .oout grado                      |                   | 13.4444                         |  |  |  |
|                  |                           | _                   |            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        | an and/or English           |                                  |                   |                                 |  |  |  |
|                  | Method                    | d of ass            | essment    |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        | prox. 60 to 120 minutes)    |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        |                             |                                  |                   | replaced by an oral examination |  |  |  |
|                  |                           |                     |            | of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).                                                   |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | Languag                                                                                                                                                                           |                                                                                                                                                                                                                                                        | t: German and/or English    |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   | ole for bonus                                                                                                                                                                                                                                          |                             |                                  |                   |                                 |  |  |  |
| 10-l=TSD-212-m01 |                           |                     | ation Sys  |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        |                             |                                  | T.,               |                                 |  |  |  |
|                  | ECTS                      | 10                  | Duration   |                                                                                                                                                                                   | semester                                                                                                                                                                                                                                               | Method of grading num       | nerical grade                    | Modul level       | graduate                        |  |  |  |
|                  | Course                    |                     |            | V (4) + Ü (2) Module taught in: English                                                                                                                                           |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  | Method                    | d of ass            | essment    | written examination (approx. 90 to 120 minutes)                                                                                                                                   |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   | If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | date).                                                                                                                                                                            |                                                                                                                                                                                                                                                        |                             | ,                                |                   | tally and a second              |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   | ole for bonus<br>ge of assessmer                                                                                                                                                                                                                       | t. English                  |                                  |                   |                                 |  |  |  |
|                  | Additio                   | nal Info            | rmation    |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        | udents of the Master's prog | grammo Informatik (Comp          | itor Scionco 12   | o ECTS cradits). LD             |  |  |  |
| 10-LURI=SR-      |                           |                     |            |                                                                                                                                                                                   | Telematics                                                                                                                                                                                                                                             | udents of the master's prog | raillille illioilliatik (Collipt | Titel Science, 12 | o EC13 Cledits). LK             |  |  |  |
| T-202-m01        |                           | 5                   | Duration   |                                                                                                                                                                                   | semester                                                                                                                                                                                                                                               | Method of grading num       | nerical grade                    | Modul level       | graduate                        |  |  |  |
|                  | Course                    |                     |            | V (2) + Ü                                                                                                                                                                         |                                                                                                                                                                                                                                                        | Method of glading han       | Terreut grade                    | Modulitevel       | Sidducte                        |  |  |  |
|                  |                           |                     |            |                                                                                                                                                                                   | ` '                                                                                                                                                                                                                                                    | annrox, 60 to 90 minutes)   | or                               |                   | - <del>-</del>                  |  |  |  |
|                  | Method                    | a 01 433            | Cooment    | a) written examination (approx. 60 to 90 minutes) or b) practical project (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussi- |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           | on on the topic) or |            |                                                                                                                                                                                   |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | c) oral examination of one candidate each (approx. 20 minutes) or<br>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)                       |                                                                                                                                                                                                                                                        |                             |                                  |                   |                                 |  |  |  |
|                  |                           |                     |            | Languag                                                                                                                                                                           | ge of assessmer                                                                                                                                                                                                                                        | it: German and/or English   | , approx. 1) illitates per t     | .a.raraate)       |                                 |  |  |  |
|                  |                           |                     |            | creditab                                                                                                                                                                          | ole for bonus                                                                                                                                                                                                                                          |                             |                                  |                   |                                 |  |  |  |

| 10-I=RRS-212-m01         | Radar F              | Radar Remote Sensing |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
|--------------------------|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|--------------------------------------|---------------------------------------------------------------------|--|--|--|--|
|                          | ECTS                 | 5                    | Duratio                                                                                                                                                                                                                                     | n                                                                                                                                                                                                                              | 1 semester                                                                                                                                                                                                                                                                                                                                                                     | Method of grading     | numerical grade         | Modul level                          |                                                                     |  |  |  |  |
|                          | Course               | S                    |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                | + Ü (2)<br>Ile taught in: Englis                                                                                                                                                                                                                                                                                                                                               | h                     |                         | ·                                    |                                                                     |  |  |  |  |
|                          | Method               | d of ass             | essment                                                                                                                                                                                                                                     | If ann<br>of one<br>date)<br>credit                                                                                                                                                                                            | ounced by the lecture candidate each (a                                                                                                                                                                                                                                                                                                                                        | pprox. 20 minutes) o  | of the course, the writ |                                      | replaced by an oral examination<br>s (approx. 15 minutes per candi- |  |  |  |  |
|                          | Additio              | nal Info             | ormation                                                                                                                                                                                                                                    | Focus<br>LR                                                                                                                                                                                                                    | ses available for stu                                                                                                                                                                                                                                                                                                                                                          | dents of the Master's | programme Informat      | ik (Computer Science, 12             | o ECTS credits):                                                    |  |  |  |  |
| 10-I=RFM-212-m01         | RF & M               | icrowav              | e System                                                                                                                                                                                                                                    | S                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
|                          | ECTS                 | 5                    | Duratio                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                              | 1 semester                                                                                                                                                                                                                                                                                                                                                                     | Method of grading     | numerical grade         | Modul level                          | graduate                                                            |  |  |  |  |
|                          | Courses              |                      |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                | + Ü (2)<br>Ile taught in: Germa                                                                                                                                                                                                                                                                                                                                                | ın and/or English     |                         |                                      |                                                                     |  |  |  |  |
|                          | Method               | Method of assessment |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                | written examination (approx. 90 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Creditable for bonus |                       |                         |                                      |                                                                     |  |  |  |  |
| Practica Aerospace       | e Comput             | ter Scie             | nce (min.                                                                                                                                                                                                                                   | 20 EC                                                                                                                                                                                                                          | TS credits)                                                                                                                                                                                                                                                                                                                                                                    |                       |                         |                                      |                                                                     |  |  |  |  |
| 10-LURI=R-               | Space :              | Space Systems Design |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
| SE-212-m01               | ECTS                 | 10                   | Duration                                                                                                                                                                                                                                    | 1                                                                                                                                                                                                                              | 1 semester                                                                                                                                                                                                                                                                                                                                                                     | Method of grading     | numerical grade         | Modul level                          | graduate                                                            |  |  |  |  |
|                          | Course               | S                    |                                                                                                                                                                                                                                             | R (6)                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
|                          | Method               | d of ass             | assessment project report (10 to 15 pages) and presentation of project (15 to 30 minutes)  Language of assessment: German and/or English  Assessment offered: In the semester in which the course is offered and in the subsequent semester |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      | emester                                                             |  |  |  |  |
| 10-LURI=EP-              | Design               | of Plan              | etary Bas                                                                                                                                                                                                                                   | es and                                                                                                                                                                                                                         | Orbital Stations                                                                                                                                                                                                                                                                                                                                                               |                       |                         | <u> </u>                             |                                                                     |  |  |  |  |
| B-212-m01                | ECTS                 | 10                   | Duration                                                                                                                                                                                                                                    | 1                                                                                                                                                                                                                              | 1 semester                                                                                                                                                                                                                                                                                                                                                                     | Method of grading     | numerical grade         | Modul level                          | graduate                                                            |  |  |  |  |
|                          | Course               | S                    |                                                                                                                                                                                                                                             | R (6)                                                                                                                                                                                                                          | •                                                                                                                                                                                                                                                                                                                                                                              | •                     |                         | *                                    |                                                                     |  |  |  |  |
|                          | Method of assessment |                      |                                                                                                                                                                                                                                             | project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
| 10-LU-                   | Practic              | al cours             | se - Rocke                                                                                                                                                                                                                                  | t Engi                                                                                                                                                                                                                         | neering and Payloa                                                                                                                                                                                                                                                                                                                                                             | ds                    |                         |                                      |                                                                     |  |  |  |  |
| RI=PRT-212-mo1           | ECTS                 | 10                   | Duratio                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                              | 1 semester                                                                                                                                                                                                                                                                                                                                                                     | Method of grading     | numerical grade         | Modul level                          | graduate                                                            |  |  |  |  |
|                          | Course               | S                    | •                                                                                                                                                                                                                                           | P (6)                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
|                          | Method of assessment |                      | Report on practical course (4 to 5 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English                                                                                                      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |                       |                         |                                      |                                                                     |  |  |  |  |
| Master's with 1 major Ae | rospace Con          | nputer Scie          | ence (2021)                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |                       | JMU Würzburg • genera   | ated 21-Okt-2023 • exam. reg. data r | record 88 f25 - - H 2021 page 7 / 17                                |  |  |  |  |

| 10-LURI=FZ- | Aircraf              | t Const         | ruction  |                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
|-------------|----------------------|-----------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------|------------------------|---------------------------------|--|--|--|
| B-202-m01   | ECTS                 | 10              | Duratio  | n                                                                                                                                                                                                                                                  | 2 semester                                                                                                                                                         | Method of grading                             | numerical grade | Modul level            | graduate                        |  |  |  |
|             | Course               | Courses         |          | R (6)                                                                                                                                                                                                                                              | •                                                                                                                                                                  |                                               |                 | •                      |                                 |  |  |  |
|             | Method               | d of ass        | sessment | Langu                                                                                                                                                                                                                                              | Report on practical course (10 to 15 pages) and presentation of results (15 to 30 minutes)<br>anguage of assessment: German and/or English<br>creditable for bonus |                                               |                 |                        |                                 |  |  |  |
| 10-LURI=F-  | Flight S             | Simulat         | or       |                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
| SIM-202-m01 | ECTS                 | 10              | Duratio  | n                                                                                                                                                                                                                                                  | 2 semester                                                                                                                                                         | Method of grading                             | numerical grade | Modul level            | graduate                        |  |  |  |
|             | Course               | S               |          | R (6)                                                                                                                                                                                                                                              | •                                                                                                                                                                  |                                               |                 | •                      |                                 |  |  |  |
|             | Method               | d of ass        | sessment | Langı                                                                                                                                                                                                                                              | eport on practical course (10 to 15 pages) and presentation of results (15 to 30 minutes) enguage of assessment: German and/or English editable for bonus          |                                               |                 |                        |                                 |  |  |  |
| 10-LURI=P-  | Practic              | al Tele         | matics   |                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
| TEL-202-m01 | ECTS                 | ECTS 10 Duratio |          | n                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                         | Method of grading                             | numerical grade | Modul level            | graduate                        |  |  |  |
|             | Course               | S               |          | P (6)                                                                                                                                                                                                                                              | •                                                                                                                                                                  |                                               |                 | •                      |                                 |  |  |  |
|             | Method of assessment |                 |          |                                                                                                                                                                                                                                                    |                                                                                                                                                                    | se (approx. 20 pages)<br>t: German and/or Eng |                 | to 45 minutes) and sub | sequent discussion on the topic |  |  |  |
| 10-LURI=TD- | Team Design Project  |                 |          |                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
| P-202-m01   | ECTS                 | 10              | Duratio  | n                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                         | Method of grading                             | numerical grade | Modul level            | graduate                        |  |  |  |
|             | Courses              |                 |          | R (8) Module taught in: English                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
|             | Method of assessment |                 |          | Practical project (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discus on the topic) Language of assessment: English                                                                               |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
| 10-LURI=FD- | FloatSa              | at Desig        | gn Lab   |                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
| W-202-m01   | ECTS                 | 10              | Duratio  | n                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                         | Method of grading                             | numerical grade | Modul level            | graduate                        |  |  |  |
|             | Courses              |                 |          | R (8) Module taught in: English                                                                                                                                                                                                                    |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |
|             | Method               | d of ass        | sessment | Practical project: development, construction and presentation of a satellite control system (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) Language of assessment: English |                                                                                                                                                                    |                                               |                 |                        |                                 |  |  |  |

| ·                | Telecommunication Systems Lab |            |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                     |             |          |  |  |  |  |  |
|------------------|-------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|----------|--|--|--|--|--|
| 10-I=TEL-212-m01 |                               | <u> </u>   |                                                                                                                                                                                                                                                                                                                                                                                   | ab                                                                                                        |                                     |             |          |  |  |  |  |  |
|                  | ECTS 5                        | Duratio    |                                                                                                                                                                                                                                                                                                                                                                                   | 1 semester                                                                                                | Method of grading   numerical grade | Modul level |          |  |  |  |  |  |
|                  | Courses                       |            | V (2) +                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |                                     |             |          |  |  |  |  |  |
|                  |                               |            |                                                                                                                                                                                                                                                                                                                                                                                   | Module taught in: English                                                                                 |                                     |             |          |  |  |  |  |  |
|                  | Method of as                  | ssessment  |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                           | approx. 20 minutes) or              | 1.)         |          |  |  |  |  |  |
|                  |                               |            |                                                                                                                                                                                                                                                                                                                                                                                   | o) oral group examination (max. 3 candidates, approx. 15 minutes each) or                                 |                                     |             |          |  |  |  |  |  |
|                  |                               |            |                                                                                                                                                                                                                                                                                                                                                                                   | c) report (4-8pages) Language of assessment: English                                                      |                                     |             |          |  |  |  |  |  |
|                  | Additional In                 | formation  | Focus<br>LR                                                                                                                                                                                                                                                                                                                                                                       | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): |                                     |             |          |  |  |  |  |  |
| 10-l=RSL-212-m01 | Radar Syste                   | ms Lab     |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                     | ,           |          |  |  |  |  |  |
|                  | ECTS 5                        | Duratio    | n                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                | Method of grading numerical grade   | Modul level |          |  |  |  |  |  |
|                  | Courses                       |            |                                                                                                                                                                                                                                                                                                                                                                                   | (2) + P (4)<br>Nodule taught in: English                                                                  |                                     |             |          |  |  |  |  |  |
|                  |                               |            | written examination (approx. 90 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate) or report (4-8 pages)  Language of assessment: German and/or English |                                                                                                           |                                     |             |          |  |  |  |  |  |
|                  | Additional In                 | formation  | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SEC                                                                                                                                                                                                                                                                     |                                                                                                           |                                     |             |          |  |  |  |  |  |
| Computer Science | (min. 15 ECTS                 | credits)   |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                     |             |          |  |  |  |  |  |
| 10-l=AG-161-m01  | Computation                   | nal Geomet | ry                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |                                     |             |          |  |  |  |  |  |
|                  | ECTS 5                        | Duratio    | n                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                | Method of grading   numerical grade | Modul level | graduate |  |  |  |  |  |
|                  | Courses                       |            | V (2) +                                                                                                                                                                                                                                                                                                                                                                           | + Ü (2)                                                                                                   |                                     |             |          |  |  |  |  |  |
|                  | Method of as                  | ssessment  | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus |                                                                                                           |                                     |             |          |  |  |  |  |  |
|                  | Additional In                 | formation  | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,HCI,GE                                                                                                                                                                                                                                                               |                                                                                                           |                                     |             |          |  |  |  |  |  |

| 10-l=DB2-212-m01 | Databa                 | Databases 2 |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|------------------|------------------------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|-----------------------------|-------------------|---------------------------------------------------------------------|--|--|--|--|
|                  | ECTS                   | 5           | Duration | า                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                    | Method of grading     | numerical grade             | Modul level       | graduate                                                            |  |  |  |  |
|                  | Course                 | S           | -        | V (2) -                                                                                                                                                                                                                                                                                                                                                                            | + Ü (2)                                                       |                       |                             |                   |                                                                     |  |  |  |  |
|                  | Method                 | d of asse   | essment  | written examination (approx. 60 to 120 minutes).                                                                                                                                                                                                                                                                                                                                   |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|                  |                        |             |          | If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).                                                                                                                        |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|                  |                        |             |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|                  |                        |             |          |                                                                                                                                                                                                                                                                                                                                                                                    | able for bonus                                                |                       |                             |                   |                                                                     |  |  |  |  |
|                  |                        |             |          | Langu                                                                                                                                                                                                                                                                                                                                                                              | age of assessment:                                            | : German and/or Engl  | ish                         |                   |                                                                     |  |  |  |  |
|                  | Additio                | nal Info    | rmation  | Focus                                                                                                                                                                                                                                                                                                                                                                              | es available for stud                                         | dents of the Master's | programme Informatik (Compu | iter Science, 120 | ECTS credits): SE,KI,HCI                                            |  |  |  |  |
| 10-I=AD-         | Advanc                 | ed Data     | Science  |                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
| SC-202-m01       | ECTS                   | 5           | Duration | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                    | Method of grading     | numerical grade             | Modul level       |                                                                     |  |  |  |  |
|                  | Courses                |             |          | V (2) -                                                                                                                                                                                                                                                                                                                                                                            | V (2) + U (2) written examination (approx. 60 to 120 minutes) |                       |                             |                   |                                                                     |  |  |  |  |
|                  |                        |             |          | If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exam of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date).  Language of assessment: German and/or English creditable for bonus                                                                |                                                               |                       |                             |                   | replaced by an oral examination<br>s (approx. 15 minutes per candi- |  |  |  |  |
| 10-l=APR-212-m01 | Advanced Programming   |             |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|                  | ECTS                   | 5           | Duration | <u> </u>                                                                                                                                                                                                                                                                                                                                                                           | 1 semester                                                    | Method of grading     | numerical grade             | Modul level       | graduate                                                            |  |  |  |  |
|                  | Course                 | S           |          | V (2) +                                                                                                                                                                                                                                                                                                                                                                            | + Ü (2)                                                       |                       |                             |                   |                                                                     |  |  |  |  |
|                  | Method of assessment   |             |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: German and/or English |                                                               |                       |                             |                   |                                                                     |  |  |  |  |
|                  | Additional Information |             |          | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES,GE,SEC                                                                                                                                                                                                                                                 |                                                               |                       |                             |                   |                                                                     |  |  |  |  |

| 10-I=SSS-212-m01 | Security of Software Systems                                                                                                                    |          |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|------------------------|-----------------------------------|--|--|--|
|                  | ECTS                                                                                                                                            | 5        | Duration |                                                                                                                                                                                                                                                                                                                                                                                    | 1 semester                                                                                                                                                                                                                                                                                                                                                           | Method of grading     | numerical grade        | Modul level            | graduate                          |  |  |  |
|                  | Course                                                                                                                                          | S        |          |                                                                                                                                                                                                                                                                                                                                                                                    | + Ü (2)<br>ıle taught in: Englis                                                                                                                                                                                                                                                                                                                                     | h                     | •                      |                        |                                   |  |  |  |
|                  | Method of assessment                                                                                                                            |          |          | If anr<br>of on<br>date)<br>credi                                                                                                                                                                                                                                                                                                                                                  | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: English |                       |                        |                        |                                   |  |  |  |
|                  | Additional Information                                                                                                                          |          |          | Focus<br>SEC                                                                                                                                                                                                                                                                                                                                                                       | ses available for stu                                                                                                                                                                                                                                                                                                                                                | dents of the Master's | s programme Informatik | (Computer Science, 120 | ECTS credits): SE,KI,LR, HCI, ES, |  |  |  |
| 10-l=A-          | Algorit                                                                                                                                         | hms for  | Geograph | nic Inf                                                                                                                                                                                                                                                                                                                                                                            | ormation Systems                                                                                                                                                                                                                                                                                                                                                     |                       |                        | "                      |                                   |  |  |  |
| GIS-212-m01      | ECTS                                                                                                                                            | 5        | Duration |                                                                                                                                                                                                                                                                                                                                                                                    | 1 semester                                                                                                                                                                                                                                                                                                                                                           | Method of grading     | numerical grade        | Modul level            | graduate                          |  |  |  |
|                  | Course                                                                                                                                          | ·S       |          | V (2)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                                                                                                                                                                                                                                                                              | •                     | •                      | •                      | •                                 |  |  |  |
|                  | Method of assessment                                                                                                                            |          |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: German and/or English |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
|                  | Additional Information   Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI,LR |          |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
| 10-HCI=M-        | Multimodal User Interfaces                                                                                                                      |          |          |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
| MUI-161-m01      | ECTS                                                                                                                                            | 5        | Duration | l                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                                                                                                                                                                                                                           | Method of grading     | numerical grade        | Modul level            | graduate                          |  |  |  |
|                  | Course                                                                                                                                          | :S       | ,        | V (2) + Ü (2)                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
|                  |                                                                                                                                                 |          |          | presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
| 10-l=ES-161-m01  | Embed                                                                                                                                           | ded Sys  | tems     |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
|                  | ECTS                                                                                                                                            | 8        | Duration |                                                                                                                                                                                                                                                                                                                                                                                    | 1 semester                                                                                                                                                                                                                                                                                                                                                           | Method of grading     | numerical grade        | Modul level            | graduate                          |  |  |  |
|                  | Course                                                                                                                                          | ·S       |          | V (4)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                                                                                                                                                                                                                                                                              | •                     | •                      | •                      | -                                 |  |  |  |
|                  | Metho                                                                                                                                           | d of ass |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |
|                  | Additional Information                                                                                                                          |          |          | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,ES,LR,GE                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                      |                       |                        |                        |                                   |  |  |  |

| 10-l=Kl1-212-m01 | Artificia       | al Intell | igence 1 |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                     |                                                                                                                                  | 1                     |                               |  |  |  |  |
|------------------|-----------------|-----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|--|--|--|--|
|                  | ECTS            | 5         | Duration | )                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                          | Method of grading numerical grade                                                                                                | Modul level           | graduate                      |  |  |  |  |
|                  | Course          | S         |          | V (2) -                                                                                                                                                                                                                                                                                                                                                                            | + Ü (2)                                                             |                                                                                                                                  | *                     | -                             |  |  |  |  |
|                  | Method          | d of ass  |          | If ann of one date).                                                                                                                                                                                                                                                                                                                                                               | ounced by the lect<br>e candidate each (a                           | prox. 60 to 120 minutes).<br>urer at the beginning of the course, the written<br>approx. 20 minutes) or an oral examination in § |                       |                               |  |  |  |  |
|                  |                 |           |          |                                                                                                                                                                                                                                                                                                                                                                                    | reditable for bonus<br>anguage of assessment: German and/or English |                                                                                                                                  |                       |                               |  |  |  |  |
|                  | Additio         | nal Info  | rmation  | Focus                                                                                                                                                                                                                                                                                                                                                                              | es available for stu                                                | udents of the Master's programme Informatik (                                                                                    | Computer Science, 120 | o ECTS credits): AT,SE,KI,HCI |  |  |  |  |
| 10-l=Kl2-212-m01 | Artificia       | al Intell | igence 2 |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |
|                  | ECTS 5 Duration |           |          | )                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                          | Method of grading   numerical grade                                                                                              | Modul level           | graduate                      |  |  |  |  |
|                  | Course          | S         |          | V (2) -                                                                                                                                                                                                                                                                                                                                                                            | (2) + Ü (2)                                                         |                                                                                                                                  |                       |                               |  |  |  |  |
|                  |                 |           |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: German and/or English |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |
|                  |                 |           |          | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,HCI,GE                                                                                                                                                                                                                                                          |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |
| 10-l=LVS-161-m01 |                 |           |          |                                                                                                                                                                                                                                                                                                                                                                                    | tributed Systems                                                    |                                                                                                                                  | 1                     |                               |  |  |  |  |
|                  |                 | 8         | Duration |                                                                                                                                                                                                                                                                                                                                                                                    | 1 semester                                                          | Method of grading   numerical grade                                                                                              | Modul level           | graduate                      |  |  |  |  |
|                  | Course          |           |          | V (4) -                                                                                                                                                                                                                                                                                                                                                                            |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |
|                  |                 |           |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |
|                  |                 |           |          | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                                                  |                       |                               |  |  |  |  |

| 10-I=SB-212-m01  | System               | ıs Benc                | hmarking    |                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                               | -                                              |                      |                  |  |  |  |  |
|------------------|----------------------|------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------|------------------|--|--|--|--|
|                  | ECTS                 | 5                      | Duration    | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                                                                                                                                                                                                                                      | Method of grading   numerical grade            | Modul level          |                  |  |  |  |  |
|                  | Course               | S                      |             | V (2)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                                                                                                                                                                                                                                                                                         |                                                |                      |                  |  |  |  |  |
|                  | Method               | d of ass               | sessment    | If anr<br>of on<br>date)<br>credi                                                                                                                                                                                                                                                                                                                                                  | written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). creditable for bonus Language of assessment: German and/or English |                                                |                      |                  |  |  |  |  |
|                  | Additio              | nal Info               | ormation    |                                                                                                                                                                                                                                                                                                                                                                                    | ses available for stu<br>ES,HCI,GE                                                                                                                                                                                                                                                                                                                                              | dents of the Master's programme Informatik (Co | omputer Science, 120 | o ECTS credits): |  |  |  |  |
| 10-I=ST-212-m01  | Discret              | e Event                | t Simulatio | on                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                      |                  |  |  |  |  |
|                  | ECTS 8 Duratio       |                        |             | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                                                                                                                                                                                                                                                                                                                                      | Method of grading   numerical grade            | Modul level          | graduate         |  |  |  |  |
|                  | Course               | S                      |             | V (4)                                                                                                                                                                                                                                                                                                                                                                              | (4) + Ü (2)                                                                                                                                                                                                                                                                                                                                                                     |                                                |                      |                  |  |  |  |  |
|                  | method of assessment |                        |             | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: German and/or English |                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                      |                  |  |  |  |  |
|                  | Additio              | Additional Information |             |                                                                                                                                                                                                                                                                                                                                                                                    | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,KI,ES,GE                                                                                                                                                                                                                                                           |                                                |                      |                  |  |  |  |  |
| 10-I=AKA-161-m01 | Selecte              | ed Topi                | cs in Algo  | rithms                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                 |                                                | ,                    |                  |  |  |  |  |
|                  | ECTS                 | 5                      | Duration    |                                                                                                                                                                                                                                                                                                                                                                                    | 1 semester                                                                                                                                                                                                                                                                                                                                                                      | Method of grading numerical grade              | Modul level          | graduate         |  |  |  |  |
|                  | Course               | S                      |             | V (2)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                                                                                                                                                                                                                                                                                         |                                                |                      |                  |  |  |  |  |
|                  | Method of assessment |                        |             | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  |                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                      |                  |  |  |  |  |
|                  | Additio              | nal Info               | ormation    | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                      |                  |  |  |  |  |

| 10-I=AKT-161-m01          | Selected Topics in Theory               |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                     |             |          |  |  |  |
|---------------------------|-----------------------------------------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------|-------------|----------|--|--|--|
|                           | ECTS 5 Duration                         |          |          | n 1 semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | Method of grading numerical grade   | Modul level | graduate |  |  |  |
|                           | Course                                  | S        |          | V (2) + Ü (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                     |             |          |  |  |  |
|                           | Method                                  | d of ass | essment  | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus                                                                                                                |            |                                     |             |          |  |  |  |
|                           |                                         |          |          | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT                                                                                                                                                                                                                                                                                                                                                                                     |            |                                     |             |          |  |  |  |
| 10-l=AK-                  | Selected Topics in Software Engineering |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                     |             |          |  |  |  |
| SE-161-m01                | ECTS                                    | 5        | Duration | า                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 semester | Method of grading numerical grade   | Modul level | graduate |  |  |  |
|                           | Course                                  | S        |          | V (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | + Ü (2)    | •                                   |             |          |  |  |  |
|                           |                                         |          |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE. |            |                                     |             |          |  |  |  |
|                           |                                         |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                     |             |          |  |  |  |
| 10-I=A-<br>  KITS-212-m01 |                                         | 5        | Duration |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester | Method of grading   numerical grade | Modul level | graduate |  |  |  |
|                           | Course                                  |          | Duration | V (2) + Ü (2)  Module taught in: English                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                                     |             |          |  |  |  |
|                           | Method                                  | d of ass |          | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: English                                                                                                                             |            |                                     |             |          |  |  |  |
|                           | Additio                                 | nal Info | ormation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES, SEC                                                                                                                                                                                                                                                                                                                                                                 |            |                                     |             |          |  |  |  |

| 10-I=AKIT-161-m01 | Selected Topics in Internet Technologies |          |              |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                     |             |          |  |  |  |  |
|-------------------|------------------------------------------|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|----------|--|--|--|--|
|                   | ECTS 5 Duration                          |          | n 1 semester |                                                                                                                                                                                                                                                                                                                                                                                    | Method of grading numerical grade                                                                             | Modul level                         | graduate    |          |  |  |  |  |
|                   | Courses                                  |          |              | V (2)                                                                                                                                                                                                                                                                                                                                                                              | V (2) + Ü (2)                                                                                                 |                                     |             |          |  |  |  |  |
|                   | Method                                   | d of ass | essment      | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  |                                                                                                               |                                     |             |          |  |  |  |  |
|                   |                                          |          |              |                                                                                                                                                                                                                                                                                                                                                                                    | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT. |                                     |             |          |  |  |  |  |
| 10-I=AKIS-212-m01 | Selected Topics in Intelligent Systems   |          |              |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                     |             |          |  |  |  |  |
|                   | ECTS 5 Duration                          |          |              | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                                                                    | Method of grading   numerical grade | Modul level | graduate |  |  |  |  |
|                   | Course                                   | S        |              | V (2)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                       |                                     |             |          |  |  |  |  |
|                   |                                          |          |              | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  creditable for bonus  Language of assessment: German and/or English |                                                                                                               |                                     |             |          |  |  |  |  |
|                   | Additio                                  | nal Info | ormation     | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):                                                                                                                                                                                                                                                                          |                                                                                                               |                                     |             |          |  |  |  |  |
| 10-l=A-           | Selected Topics in Embedded Systems      |          |              |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                     |             |          |  |  |  |  |
| KES-161-m01       | ECTS                                     | 5        | Duration     | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1 semester                                                                                                    | Method of grading   numerical grade | Modul level | graduate |  |  |  |  |
|                   | Course                                   | S        |              | V (2)                                                                                                                                                                                                                                                                                                                                                                              | + Ü (2)                                                                                                       |                                     |             |          |  |  |  |  |
|                   | Method                                   | d of ass | essment      | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus  |                                                                                                               |                                     |             |          |  |  |  |  |
|                   | Additio                                  | nal Info | ormation     | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.                                                                                                                                                                                                                                                                      |                                                                                                               |                                     |             |          |  |  |  |  |

| 10-l=AKL-                 | Selected Topics in Aerospace Engineering |           |          |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                   |                 |             |          |  |  |  |
|---------------------------|------------------------------------------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------|-----------------|-------------|----------|--|--|--|
| R-161-m01                 | ECTS                                     | 5         | Duration | 1                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                    | Method of grading | numerical grade | Modul level | graduate |  |  |  |
|                           | Course                                   | es        | ,        | V (2) -                                                                                                                                                                                                                                                                                                                                                                           | V (2) + Ü (2)                                                                                                 |                   |                 |             |          |  |  |  |
|                           | Metho                                    | d of ass  | essment  | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-                                                                          |                                                                                                               |                   |                 |             |          |  |  |  |
|                           |                                          |           |          | date). Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus                                                                                                                                                                                                                                                     |                                                                                                               |                   |                 |             |          |  |  |  |
|                           | Additio                                  | onal Info | rmation  | Focus                                                                                                                                                                                                                                                                                                                                                                             | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR. |                   |                 |             |          |  |  |  |
| 10-I=AKH-                 | Selecte                                  | ed Topic  | s in HCI |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                   |                 | '           |          |  |  |  |
| Cl-182-m01                | ECTS 5 Duration                          |           |          | 1                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                    | Method of grading | numerical grade | Modul level | graduate |  |  |  |
|                           | Course                                   | 25        |          | V (2) -                                                                                                                                                                                                                                                                                                                                                                           | + Ü (2)                                                                                                       | •                 |                 |             |          |  |  |  |
|                           |                                          |           |          | written examination (60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus         |                                                                                                               |                   |                 |             |          |  |  |  |
|                           | Additio                                  | onal Info | rmation  | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI.                                                                                                                                                                                                                                                                    |                                                                                                               |                   |                 |             |          |  |  |  |
| 10-l=AKII-182-m01         | Selected Topics in Computer Science      |           |          |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                   |                 |             |          |  |  |  |
|                           | ECTS 5 Duration                          |           | 1        | 1 semester                                                                                                                                                                                                                                                                                                                                                                        | Method of grading                                                                                             | numerical grade   | Modul level     | graduate    |          |  |  |  |
|                           | Course                                   | 25        |          | V (2) -                                                                                                                                                                                                                                                                                                                                                                           | + Ü (2)                                                                                                       |                   |                 |             |          |  |  |  |
|                           | Metho                                    | d of ass  | essment  | written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus |                                                                                                               |                   |                 |             |          |  |  |  |
| <b>Master Project Mod</b> | dules (3                                 | o ECTS    | credits) |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                   |                 |             |          |  |  |  |
| 10-LURI-MA-               | Conclu                                   | ding Co   | lloquium | Aerospace Computer Science                                                                                                                                                                                                                                                                                                                                                        |                                                                                                               |                   |                 |             |          |  |  |  |
| MK-212-m01                | ECTS                                     | 5         | Duration | 1                                                                                                                                                                                                                                                                                                                                                                                 | 1 semester                                                                                                    | Method of grading | numerical grade | Modul level | graduate |  |  |  |
|                           | Course                                   | es        |          | K (o)                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                   |                 |             |          |  |  |  |
|                           | Metho                                    | d of ass  | essment  | final colloquium (approx. 60 minutes)<br>Language of assessment: German and/or English                                                                                                                                                                                                                                                                                            |                                                                                                               |                   |                 |             |          |  |  |  |

| 10-LURI-MA-202 | - Maste                                           | Master's Thesis Aerospace Computer Science |          |                                           |            |                   |                 |             |          |  |  |
|----------------|---------------------------------------------------|--------------------------------------------|----------|-------------------------------------------|------------|-------------------|-----------------|-------------|----------|--|--|
| mo1            | ECTS                                              | 25                                         | Duration | 1                                         | 1 semester | Method of grading | numerical grade | Modul level | graduate |  |  |
|                | Course                                            | es                                         |          | No courses assigned to module             |            |                   |                 |             |          |  |  |
|                | Metho                                             | d of asse                                  |          | Master's thesis (50 to 100 pages)         |            |                   |                 |             |          |  |  |
|                |                                                   |                                            |          | Language of assessment: German or English |            |                   |                 |             |          |  |  |
|                | Additional Information Time to complete: 6 months |                                            |          |                                           |            |                   |                 |             |          |  |  |