Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject
Human-Computer Systems as a Bachelor’s with 1 major
with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Faculty of Human Sciences
Responsible: Institute of Human Computer Media

Examination regulations version: 2016
Examination regulations version: 2016

Abbreviations used:
- Course types: E = field trip, K = colloquium, O = conversatorium, P = placement/lab course, R = project, S = seminar, T = tutorial, Ü = exercise, V = 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:
- Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures:
- Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method 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:

**ASPO2015**

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

**4-Apr-2016 (2016-54)**

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:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Module title</th>
<th>ECTS</th>
<th>Duration (in semesters)</th>
<th>Method of grading</th>
<th>Module level</th>
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</thead>
<tbody>
<tr>
<td>Courses</td>
<td>To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y</td>
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<td>Method of assessment</td>
<td>Only after successful completion of if applicable</td>
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<td>Other prerequisites</td>
<td>if applicable</td>
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<td>Participants and allocation of places</td>
<td>if applicable</td>
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<td>Additional information</td>
<td>if applicable</td>
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<td>Referred to in LPO I</td>
<td>if applicable (examination regulations for teaching-degree programmes)</td>
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<td>Course Code</td>
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<td>06-PSY-STAT-1-152-m01</td>
<td>Statistics 1</td>
<td>6</td>
<td>1 semester</td>
<td>numerical grade</td>
<td>undergraduate</td>
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<td>Courses</td>
<td>S (4) + Ü (2)</td>
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<td>Method of assessment</td>
<td>written examination (approx. 120 minutes)</td>
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<td>06-PSY-STAT-2-152-m01</td>
<td>Statistics 2</td>
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<td>Courses</td>
<td>S (4) + Ü (2)</td>
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<td>Method of assessment</td>
<td>written examination (approx. 120 minutes)</td>
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<td>06-MCS-GL-AP-152-m01</td>
<td>Foundations of Human-Computer-Systems and Cognitive Psychology</td>
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<tr>
<td>Courses</td>
<td>V (2) + V (3) + Ü (1)</td>
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<tr>
<td>Method of assessment</td>
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<td>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).</td>
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<td>Courses</td>
<td>V (2) + Ü (1)</td>
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<tr>
<td>Method of assessment</td>
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<td>numerical grade</td>
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<td>Experience as a tester or subject in experiments</td>
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<td>06-MCS-IGL-152-m01</td>
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<td>10-MCS-EinP-161-m01</td>
<td>Introduction to Programming (MCS)</td>
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<td>1 semester</td>
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<td>10-MCS-GADS-161-m01</td>
<td>Foundations Algorithms and Data Structures (MCS)</td>
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<td>10-MCS-ST-161-m01</td>
<td>Software Technology (MCS)</td>
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<td>Introductory Programming Course (MCS)</td>
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<td>06-MCS-V1-152-m01</td>
<td>Specialization MCS 1</td>
<td>5</td>
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<td>numerical grade</td>
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Compulsory Electives (22 ECTS credits)
One of the following modules must be taken: MCS-Projekt Psychologie (MCS Project Psychology), MCS-Projekt Informatik (MCS Project Computer Science), MCS-Projekt Interdisziplinär (MCS Project Interdisciplinary).

MCS Specialization (10 ECTS credits)
<table>
<thead>
<tr>
<th>Module ID</th>
<th>Specialization</th>
<th>ECTS</th>
<th>Duration</th>
<th>Method of grading</th>
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<td>06-MCS-V2-152-m01</td>
<td>Specialization MCS 2</td>
<td>5</td>
<td>1 semester</td>
<td>numerical grade</td>
<td>undergraduate</td>
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<td>Courses</td>
<td>V (2) + Ü (1)</td>
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<td>Method of assessment</td>
<td>Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages). Language of assessment: German and/or English creditable for bonus</td>
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</table>

| 10-MCS-IS1-152-m01 | Interactive Systems 1 | 5 | 1 semester | numerical grade | undergraduate |
| Courses | V (2) + Ü (2) |
| Method of assessment | Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages). Language of assessment: German and/or English creditable for bonus |

| 10-MCS-IS2-152-m01 | Interactive Systems 2 | 5 | 1 semester | numerical grade | undergraduate |
| Courses | V (2) |
| Method of assessment | Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages). Language of assessment: German and/or English creditable for bonus |

<p>| 10-MCS-IS3-152-m01 | Interactive Systems 3 | 5 | 1 semester | numerical grade | undergraduate |
| Courses | R (0) |
| Method of assessment | Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages). Language of assessment: German and/or English creditable for bonus |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
<th>Duration</th>
<th>Method of Grading</th>
<th>Modul Level</th>
<th>Language of Assessment</th>
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<td>10-MCS-Med-152-m01</td>
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<td>Courses</td>
<td>V (2) + Ü (2)</td>
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<td></td>
<td>Method of assessment</td>
<td>a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) term paper (approx. 20 pages) or d) portfolio (approx. 20 pages)</td>
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<td>1 semester</td>
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<td>undergraduate</td>
<td>German and/or English</td>
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<td>Courses</td>
<td>V (2) + Ü (4)</td>
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<td>Courses</td>
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<td>Courses</td>
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<td>Method of assessment</td>
<td>Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages)</td>
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<td>06-MCS-VU-sEx-152-m01</td>
<td>Specialisation User Experience</td>
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<td>1 semester</td>
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<td>Method of assessment</td>
<td>Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages)</td>
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<td>Unless otherwise specified, the following methods can be chosen from for assessment in the specialisations Human-Computer Systems: a) written examination (approx. 90 minutes), b) presentation (approx. 20 minutes) and handout (approx. 5 pages), c) presentation of project results (approx. 30 minutes), d) presentation (approx. 45 minutes), e) oral examination of one candidate each (approx. 30 minutes) or f) term paper (approx. 10 pages). Language of assessment: German and/or English creditable for bonus</td>
<td>Method of assessment</td>
<td>a) written examination (approx. 50 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English creditable for bonus</td>
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<td>report (approx. 10 pages) Language of assessment: German and/or English creditable for bonus</td>
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<td>report (approx. 10 pages) Language of assessment: German and/or English creditable for bonus</td>
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Key Skills Area (20 ECTS credits)

General Key Skills (5 ECTS credits)
In addition to the modules listed below, students may also take modules offered by JMU as part of the pool of general transferable skills (ASQ).

General Key Skills (subject-specific)

<table>
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<tr>
<th>Course Code</th>
<th>Subject-specific Key Skills (15 ECTS credits)</th>
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<tbody>
<tr>
<td>06-MCS-ASQ-152-m01</td>
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<td>Subject-specific Key Skills (15 ECTS credits)</td>
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Exhibition MCS Thesis

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<th>Subject-specific Key Skills (15 ECTS credits)</th>
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<td>06-MCS-ASQ-152-m01</td>
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<td>Courses</td>
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<td>Method of assessment</td>
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Practical/Job-oriented Internship

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Thesis (12 ECTS credits)

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