Part of the form for Study Achievement Recognition Page 1

Achievements to be recognized:

to be filled by Ulm University
(the applicant may already fill in examination numbers and areas)

| Recognition |  | Denial/Reasons |  |  |  |  |
| :---: | :---: | :--- | :--- | :--- | :--- | :--- |
| Exam <br> number <br> Should | in area <br> (compulsory elective, <br> specialisation, core subject, <br> etc.) | Grade | CPsignificant difference <br> in acquired <br> competences | incomplete <br> documents | to be decided <br> later |  |
|  |  |  |  | no | no |  |

Part of a certificate for exchange
students of the University of Ulm

Part of the form for Study Achievement Recognition Page 1

Achievements to be recognized:

Application number: $01 \quad$| When handing in more than one applis |
| :--- |
| to inicicate the eorect number on all |
| belongtothis form. The number 01 |
| on oll forms. |

The following achievements have been
completed (module/exam)
Uni Ulm, exchange student,
Programming Concepts for Cognitive Sys.
(Modul: 746 48) on all forms.

The following achievements have been completed (module/exam)

Uni Ulm, exchange student, Programming Concepts for Cognitive Sys. (Modul: 746 48)

When handing in more than one application form, please make sure belong to this form. The number 01 will be set automatically

## to be filled by Ulm University

(the applicant may already fill in examination numbers and areas) should


Study Facilit
Browse Module
Descriptions
Search in Modules
Modulhandbücher Archiv

Degree course
scheme
Examination
regulation
Hide menu


In 14648 Programming Concepts for Cognitive Systems

Cut-out of the Campus Management System for the suggested recognition (here for MSc Cognitive Systems)

Part of the form for Study Achievement Recognition Page 1

Achievements to be recognized:
to be filled by Ulm University
(the applicant may already fill in examination numbers and areas)

| Application number: 0 | When handing in more than one application form, please ma to indicate the correct number on all subsequent pages that belong to this form. The number 01 will be set automaticallyon all forms. |  |  | the applicant pray alrealdShould |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Recognition |  |  |  |  | Denial/Reasons |  |  |
| The following achi completed (modul | ievements have been ule/exam) | Grade workl |  | Yes/No | Exam number | in area (compulsory elective, specialisation, core subject, etc.) | Grade | CP | significant difference in acquired competences | incomplete documents | to be decided later |
| Uni Ulm, exchan Introduction to Modul: 71070 | nge student, <br> Computer Science I + II $\text { + } 71077$ | Grade | 3,0 <br> 12 <br> 8 | yes ${ }^{\text {® }}$ | $\begin{aligned} & 10250 \\ & 10850 \end{aligned}$ | Praktische Informatik, Einführung in die Informatik <br> Modul: 70319 | $3,0$ | 8 | no $\quad$ - | no $\geqslant$ | no $\boldsymbol{v}$ |

## Remark 1: Combination of Achievements

A recognition can be composed of several achievements (here: the two modules "Introduction to Computer Science I - Fundamentals" and " Introduction to Computer Science II - Advanced Concepts", each 6 ETCS) and can result in multiple recognized exams (here 10250 - "Praktische Informatik" and 10850 - "Einführung in die Informatik") within one module.

Oberste Ebene > Module für Abschluss: Bachelor of Science > Studiengang:Informatik Studium gemäß Prüfungsordnung: 2017 > Praktische Informatik $>70319$ Einführung in die Informatik

Bitte wählen Sie aus:
(1) 70319 Einführung in die Informatik (i) pdf1

10250 Einführung in die Informatik
|n| 10850 Praktische Informatik - Übung

## Remark 2: Credit Points

The number of achieved credit points (in ECTS, here 12) must be higher than or equal to the number of recognized credit points (ECTS, here 8). Non-ECTS credits must be converted to ECTS. A proof of the work load associated with each achieved non-ECTS credit is to be provided by the applicant.

## Remark 3: Exam numbers and pre-requisites for eams

Some exams at the University of Ulm have pre-requisites. To recognize an exam with a prerequisite, also the exam number of the pre-requisite exam is to be listed. Exam numbers can only be found via "Browse Modul Descriptions" in the Campus Management System and not via "Search in Modules".

## Part of the form for Study Achievement Recognition Further Pages

## Achievements to be recognized:

to be filled by Ulm University
(the applicant nady already fill in examination numbers and areas) should

## Remark 1: Automated Reasoning, Recognition without equivalent

Courses from other universities may be recognized in elective areas without an equivalent if no matching course exists at the University of Ulm and if the course could be offered within the elective area.

## Anmerkung 3: Grade conversion

Grades from a different grading scale are converted according to the Bavarian Formula: $N=1+3 \cdot \frac{P_{\max }-P}{P_{\max }-P_{\min }}$ with $N$ representing the converted grade, $P$ the grade as in the transcript, $P_{\min }$ and $P_{\max }$ the minimal and maximal possible grades. For the Aalto University the grades are from 0 (fail) - 5 , hence we have here, $1+3 \cdot \frac{5-4}{5-0}=1,6$. Please provide the documents relevant for the conversion.

Part of the form for Study Achievement Recognition Further Pages
Achievements to be recognized:
to be filled by Ulm University
(the applicant nady already fill in examination numbers and areas) should

## Remark 1: Algorithms and Data Structures

Since the course "Algorithms and Data Structurs" has 8 ECTS at the University of Ulm, but the course completed at TU Vienna has only 6 ETCS, the course cannot be recognized as equivalent.

## Remark 2: Object-orientierted Programming

The module description of "Object-oriented Programming" shows the the taught competences are only partly overlapping the twhat is taught in module 703 19 "Einführung in die Informatik" at the University of Ulm. Even though the number of achieved credits is larger ( $10>8$ ), a recognition is nt possible since "Einführung in die Informatik" is a mandatory course and an exact match of the taught contents is requiered for mandatory courses.

