

## Examinations for B. Sc. Computer Science (CTS) as of winter semester 2022/23

October 19, 2022

This document describes the current state of planning as to when examinations for compulsory modules and special subject modules in the CTS program will be offered in winter semester 2022/23 and following semesters and thus when examinations can be retaken. All retake exams are usually offered during the next semester's examination period.

The retake date for an examination is the next examination period in the respective examination subject (§13 (3) of the examination regulations). The date for the second repetition is then, if necessary, the regular examination in the semester after next.

In justified cases, organizational reasons may lead to changes.

### Registration for repeat examinations

- You will be automatically registered for examinations of *compulsory modules* of the basic and main studies that you have not yet passed.
- For retakes of *special subject modules held this semester*, register for the course during normal course registration at begin of semester and you will be registered for the exam.
- For retakes of *special subject modules* offered only annually that are *not held this semester*, you must register via the following Moodle course by **Tue. November 1, 2022, 11:59 pm**:  
<https://moodle-thu.de/course/view.php?id=1319> (enrolment key: **ws22**)

These registrations will then be transferred to LSF and will be visible to you in LSF at latest from mid-November.

You can also deregister from the exams within the regular withdrawal period (see university calendar).

### Important:

- Check in good time in LSF and in the self-service area for which exams you are registered. Be aware of the deadline for withdrawal from exams, see university calendar.
- During the internship semester (CTS7), a maximum of two repeat examinations are possible upon application to the examination board. In this case, it only counts as a retake if you had failed the exam or had a withdrawal due to illness. Not first attempts are allowed. During the internship semester, you are not automatically registered for courses or exams.

### Compulsory Modules

- ✓ regular examination for the course given in this semester
- r exam will be offered, no lectures, can be taken if withdrawn from previous exam or failed
- <sup>(a)</sup> automatic registration in LSF for exam/retake exam

|      |   | winter semester 22/23 | summer semester 23 |
|------|---|-----------------------|--------------------|
| CTS1 | Linear Algebra (WS)                             | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | Programming 1 (WS)                              | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | Introduction to Computer Science (WS)           | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | Techn. Foundations of Comp. Science (WS)        | ✓ <sup>(a)</sup>      | ? <sup>2)</sup>    |
|      | German 1, parts 1.1 and 1.2, (WS+SS)            | ✓ <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Introductory Project (WS)                       | ✓ <sup>(a)</sup>      | -                  |
| CTS2 | Calculus 1 (SS)                                 | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Programming 2 (SS)                              | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Computer Networks (SS)                          | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Databases (SS)                                  | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Microcomputer Technology (SS)                   | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | German 2 (WS+SS)                                | ✓ <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
| CTS3 | Calculus 2 (WS)                                 | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | Programming 3 (WS)                              | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | German 3 (WS)                                   | ✓ <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Theoretical Computer Science (WS)               | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
| CTS4 | Stochastics (SS)                                | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Software Engineering (SS)                       | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Operating Systems (SS)                          | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
|      | Algorithms&Data Structures (SS)                 | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
| CTS5 | Distributed & Web-based Systems (WS)            | ✓ <sup>(a)</sup>      | r <sup>(a)</sup>   |
|      | Seminar (WS)                                    | ✓ <sup>(a)</sup>      | -                  |
|      | Software Project (WS)                           | ✓ <sup>(a)</sup>      | -                  |
| CTS6 | Business Economics (SS)                         | (a) 2)                | ✓ <sup>(a)</sup>   |
|      | Technical German (SS)                           | r <sup>(a)</sup>      | ✓ <sup>(a)</sup>   |
| CTS7 | Team-oriented Project / Project Management (WS) | ✓ <sup>(a)</sup>      | -                  |
|      | Communication & Moderation                      | 1)                    | 1)                 |

<sup>1)</sup> special block courses during the semester break, offered several times a year

<sup>2)</sup> for organizational reasons uncertain whether exam can be offered

## Special Subject Modules

<sup>(LSF)</sup> Registration for the course/examination in LSF required at start of the semester.

<sup>(Moodle)</sup> Registration for the repeat exam via Moodle course

|                                    | winter semester 22/23 | summer semester 23 <sup>4)</sup> |
|------------------------------------|-----------------------|----------------------------------|
| <b>Computer Engineering</b>        |                       |                                  |
| Digital Systems (WS) <sup>4)</sup> | ✓ <sup>(LSF)</sup>    | ? <sup>2)</sup>                  |

|  |                 |                 |
|--|-----------------|-----------------|
| Hardware-Oriented Programming (SS) <sup>4)</sup>                     | r (Moodle)      | ? <sup>2)</sup> |
| Computer Architecture (WS)   | ✓(LSF)          | r (Moodle)      |
| <b>Service Robotics</b>  |                 |                 |
| Embedded Systems (WS)  | ✓(LSF)          | r (Moodle)      |
| Realtime Systems (SS)  | r (Moodle)      | ✓(LSF)          |
| Autonomous Systems (WS)  | ✓(LSF)          | r (Moodle)      |
| <b>IT Security</b>   |                 |                 |
| Information Security (WS)  | ✓(LSF)          | r (Moodle)      |
| Digital Forensics (SS)   | r (Moodle)      | ✓(LSF)          |
| Pentesting (WS)  | ✓(LSF)          | r (Moodle)      |
| <b>Mobile Computing</b>  |                 |                 |
| Mobile Application Development (WS)                                  | ✓(LSF)          | r (Moodle)      |
| Web Engineering (WS+SS)  | ✓(LSF)          | ✓(LSF)          |
| Internet of Things (WS)  | ✓(LSF)          | r (Moodle)      |
| <b>Computer Graphics &amp; Vision</b>                                |                 |                 |
| Machine Vision (WS) <sup>4)</sup>                                    | ✓(LSF)          | ? <sup>2)</sup> |
| Game Programming (SS)  | -               | ✓(LSF)          |
| Computer Graphics (WS)   | ✓(LSF)          | r (Moodle)      |
| <b>Medical Information Systems</b>                                   |                 |                 |
| Medizin 1 (WS+SS, with IG1)<br>(replaces Medizinische Dokumentation) | ✓(LSF)          | ✓(LSF)          |
| Health Data Analytics (WS+SS, with IG4)                              | ✓(LSF)          | ✓(LSF)          |
| Medizinische Informationssysteme (WS+SS, with DSM5)                  | ✓(LSF)          | r (LSF)         |
| <b>Information Systems</b>   |                 |                 |
| Database Programming (WS+SS, with WF4)                               | ✓(LSF)          | ✓(LSF)          |
| Data Warehousing (WS+SS, with WF5)                                   | ✓(LSF)          | ✓(LSF)          |
| Operations Research (SS, with IEW)                                   | - <sup>2)</sup> | ✓(LSF)          |
| <b>Business Administration</b>                                       |                 |                 |
| Elective module Marketing  | 3)              | 3)              |
| Elective module BA1  | 3)              | 3)              |
| Elective module BA2  | 3)              | 3)              |

<sup>2)</sup> for organizational reasons uncertain whether exam can be offered

<sup>3)</sup> specific regulations depending on the course, to be clarified with the lecturer.

<sup>4)</sup> catalog of special subject modules will be updated for summer semester 2023

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