

Dates and Formal Requirements for Your Pre-Exam Requirement

For students of the course programs Software Technology and Digitale Prozesse und Technologien, **passing of the pre-exam requirement is the prerequisite for participating in the exam.**

Students in the course program Mathematik have no pre-exam requirement.

The pre-exam is graded only on a pass/fail basis.

For technical reasons the grading system will show a "pass" grade in your list after Jan. 10. If you do not complete your pre-exam project or paper and/or do not present it, this will be changed to "fail" later and you will not be allowed to participate in the written exam.

Teams:

Team size: two or three people

Actions to do for everyone

Action	Deadline
Register your team and project title in the Wiki in the Moodle. (Don't forget to register the pre-exam and the exam with the office of examinations, too! (At a different deadline)).	<u>Until Friday, 15 Nov 2024</u>
Finalize your project and team description in the Moodle.	<u>Before Christmas 2024</u>
Turn in your documentation (as a single PDF document: upload to the Moodle)	<u>Until Sunday, 5 Jan. 2025, mid-night</u>
Give a presentation (with live system demo in case of an implementation project). All members of all groups must participate in presence. (Not mandatory for students of Mathematik!)	On <u>Thursday, 16 Jan. 2025</u> as listed by Prof. Koch a few days ahead. This date counts as part of the pre-exam!

Formatting requirements for everyone:

Item	Requirements
Electronic Deliverable	<ul style="list-style-type: none">• Absolutely make sure that your documents are <u>readable without having to zoom in and out!</u> The regular text must be at least 11pt, text in diagrams at least 9 pt. Anything smaller will not be accepted!!! If necessary, print screenshots or model diagrams on larger pages or turn them horizontally.• Use page numbers.• Upload your documentation into the database inside the Moodle course. You find this database in the "Exercises" folder.• The documentation must consist of <u>one single PDF file</u>. (No zip-Archives or similar. If this presents a problem: talk to me!)• Formatting of the file names: Make a filename composed of "2023WS" followed by the family names of the group members followed by a keyword describing the topic of your project or presentation. Use camel case. Example: 2023WSKochBesnerGenomicData.pdf
Quoting	In your documentation: list all sources that you have used (papers, books, websites, etc.) and mark the used sources within your text. Some guidelines describing which formats to use for citations are posted in the Moodle in the Exercises folder. You also find a scientific database paper there that can serve as an example where you can see how sources are quoted.
AI Tool Declaration	<p>Include a chapter in your documentation with a declaration about AI Tools:</p> <p>You have two options:</p> <ol style="list-style-type: none">1. "We have used neither ChatGPT, nor any other text generating tool." <p>or</p> <ol style="list-style-type: none">2. "We have used ChatGPT (or some other text generating tool (please provide the name!)) for the following sections:..." <p>Provide a table in which you list in the leftmost column, which subsections of your list of contents are concerned, and in the right-hand column, describe how you used the tool, which steps you undertook to verify the generated texts and which changes you made based on your verification. Be very specific about your usage of the tool! Just saying "we generated the text with it" is not sufficient!</p> <p>If you should have used such a tool without documenting this, it will be considered as cheating and results in failing of the pre-exam project, which means you may not participate in the exam.</p>
Oral Presentation	<ul style="list-style-type: none">• 2 person group: 15-20 minutes presentation• 3 person group: 20-30 minute presentation• All team members must take their share in the presentation.

Additional requirements for an Implementation Project:

Contents	Details
Implementation	Implement it on your own laptop or on the LIDA server. You must show a live demo in the presentation.
Documentation (PDF)	<ol style="list-style-type: none">1. <u>Cover page</u> with title of the project, course name (Business Intelligence) and semester (WS 23-24), names + email addresses of the contributors2. <u>Introduction</u> (What is the project about, what are the objectives, who would use the system. Between half a page and one page)3. <u>System Platform</u> (A list of all systems you used (with version numbers), under what licences (open source, test licence, payed system), on which operating system). Include short installation descriptions of the BI specific systems for fellow students who want to install the same environment (like source of download, is there an installer, etc.)4. <u>Data</u> (a short explanation of the contents, size, purpose, and sources of your data set. Display a few (10-20) data records as an example on paper. Include the complete data in the electronic version. If this presents a problem, talk to me).5. <u>Operations</u> (what did you do with the data, what type of analysis did you perform, list a few (at least 5) queries/use cases, include some screen shots)6. <u>Conclusion</u> (what did you learn from the project: what was difficult, what was easy, what was fun? Any recommendations for others doing a similar project?)7. <u>List of References</u> (papers, websites, tutorials, manuals, whatever you have used)
Presentation	Use your documentation as "slides" <ul style="list-style-type: none">• Briefly explain the topic and objectives of your project• log in to your system• show which data you are operating on• explain and demonstrate some operations that you did• explain your conclusions and experiences

Additional requirements for a Seminar Paper:

Requirements	Details
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Contents	<p>Use the normal format of scientific papers, with</p> <ul style="list-style-type: none"> • title, list of authors, date, place, affiliation (HFT Stuttgart) • abstract • introduction • main part • conclusion • list of references <p>Use a numbering system for sections and subsections. Structure your main part as suitable for the topic.</p>
Size	At least 4 pages per team member, but not more than 10 pages for a 2 person group and not more than 15 pages for a 3 person group.
Text structure	<ul style="list-style-type: none"> • Include diagrams or pictures as necessary and useful, but the text should not consist only or mainly of those. • Write real text in normal sentences (not just powerpoint slides with bullet enumerations). • Write in your own words - it is not acceptable to simply copy sentences or entire paragraphs from other sources, even if you quote where they are from.
Presentation	<ul style="list-style-type: none"> • Prepare a set of powerpoint slides in addition to the seminar paper • Email me the powerpoint slides in PDF format AFTER your presentation, so I can upload them also into the Moodle. • The presentation structure must follow the paper structure.