

Master - Artificial Intelligence

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Würzburg-Schweinfurt





Figure: <https://www.study-in-germany.de/en/plan-your-studies/study-options/cities/wuerzburg/>



Figure: That's so german: <https://www.dw.com/en/typically-german-a-cartoonists-perspective/a-46179528>



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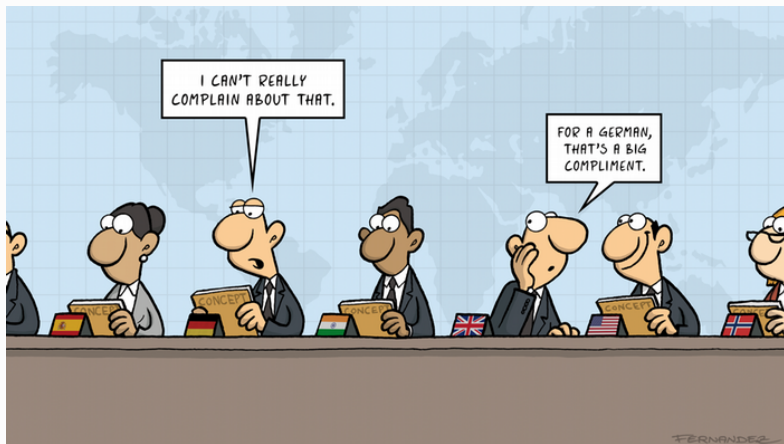


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So I think that students should...

- Students should always do their homework.
- Students should come to classes on time.
- Students should study hard.
- Students should respect their colleagues.
- Students should write into their notebooks.
- Students should let their colleagues speak.
- Students should ask questions.
- Students should be patient.
- Students should be optimistic.
- Students should believe in their success.
- Students should never give in.
- Students should feel free and safe in classes.
- Students should tolerate all types of colleagues.

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- ▶ APO - General examination regulations <https://tinyurl.com/59kaks4r>

READ IT !!! - <https://mai.thws.de/en/>

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Extra info: <https://www.uni-passau.de/en/housing/german-laws-everyday-life/>

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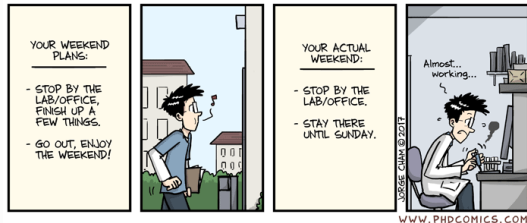
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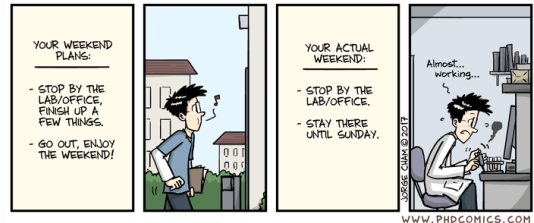


We help but are not your parents nor at your (permanent) service. Check:
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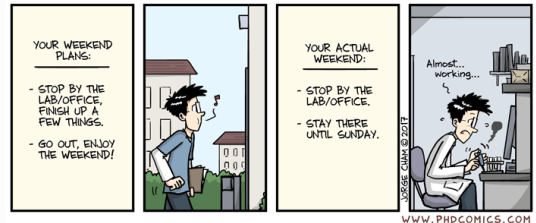


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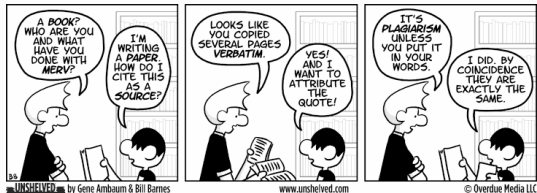
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- ▶ You are not alone - collaborate with you study fellows



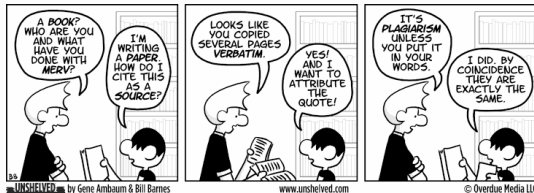
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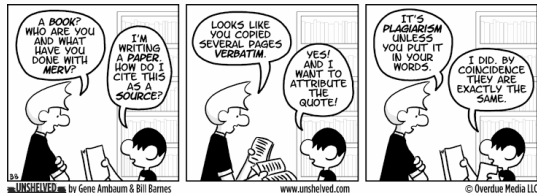
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- ▶ Register for the exams - campusportal.thws.de

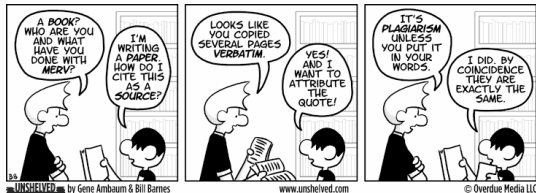
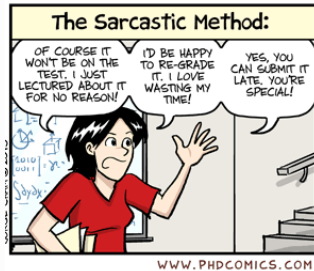




Figure: We have two tutors Vincent Wahyudi und Bibin Babu for MAI which are happy to answer questions. Further information will be provided at the MAI webpage. <https://mai.thws.de/en/advice-and-service/>

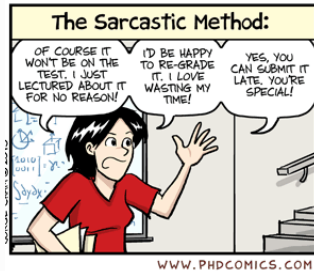
Teaching may be very different to what you are used to

- ▶ lectures and exercises are often interweaved



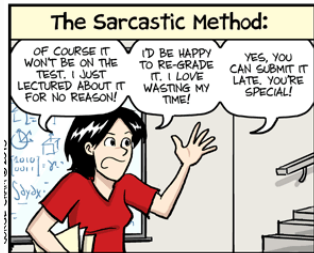
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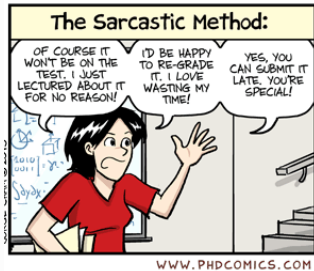
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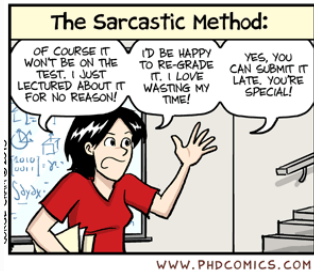
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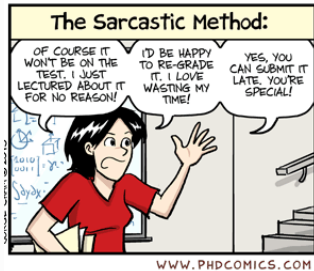
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- ▶ prepare the exam early
- ▶ exams are in general transfer based (Learning by heart is absolutely not sufficient)

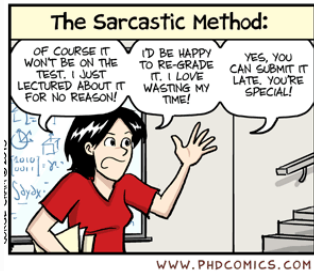




Figure: MAI students from the cairo opening 2022.

Half time - Questions?



2

Master House

SWS		4	8	12	16	20	24
ECTS Points		5	10	15	20	25	30
Semester	1	Mathematical Foundations of AI	Artificial Intelligence an Machine Learning	Artificial Neural Networks and Cognitive Models	Reasoning and Decision Making under Uncertainty	Elective 1	Project Module 1
	2	Trustworthy AI and AI Regulations	Fundamentals of Mobile Robotics	Semantic Data Processing and Representation	Learning of Structured Data	Scientific Seminar	Project Module 2
	3	Master's Thesis					Elective 2

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Figure: <https://mai.THWS.de/>

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- ▶ **A2 german certificate** (not organized by us, but Campus Sprache) - within 1 year!
 - * Elective - *Different topics see mai.fhws.de/en*
 - * Project module - *Runs over two semesters, team work 3-4 persons, on a AI topic*

- ▶ You need to take at least 2 electives over your study each with 5 CP (ECTS)

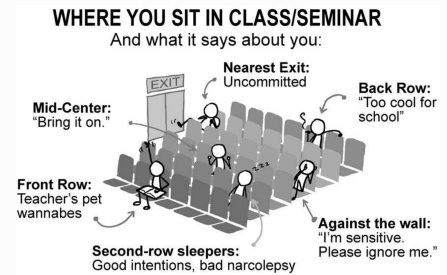


Figure: (c) Jorge Cham 2008

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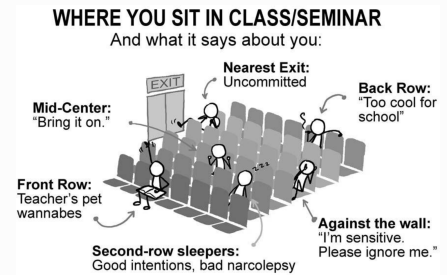


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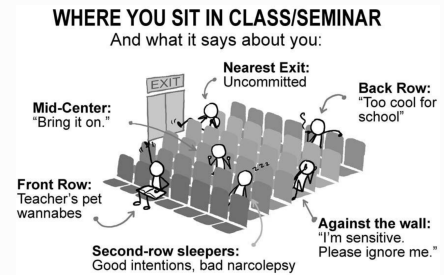


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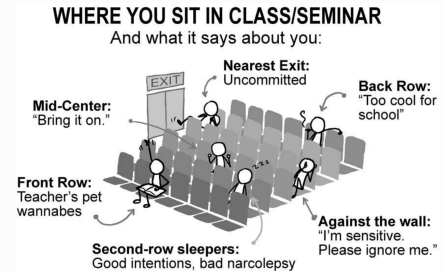


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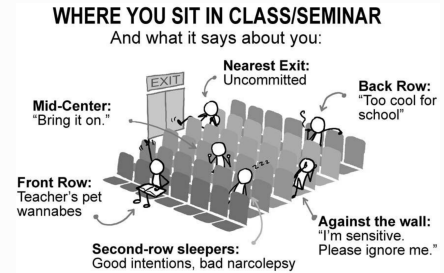


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- ▶ You decide what and when (constraints in the module description)

VHB offers: <https://www.vhb.org/fileadmin/download/kursprogramm/>

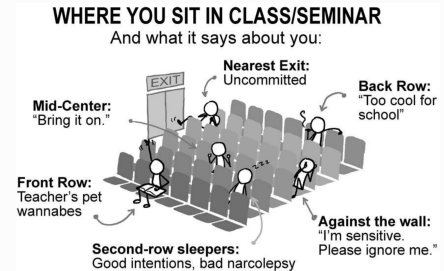
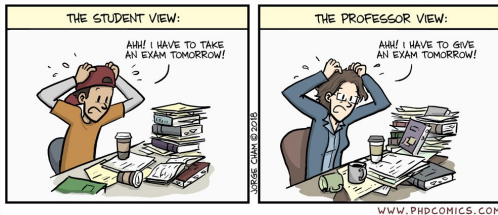


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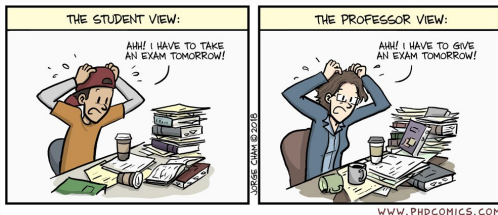
- ▶ You need to take at least 1 project (in two consecutive parts) over your study
- ▶ Projects start in the summer (but optional also in the winter)
- ▶ We will have a short presentation of some projects at the start of the semester
- ▶ Are changing over time - we do not ensure that the project is offered again
- ▶ Some projects are provided by externals (from industry)
- ▶ Offers are listed in the moodle
- ▶ You decide what project you take - you need to have / find / setup a team (3-4 students)



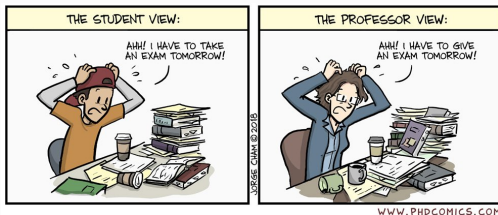
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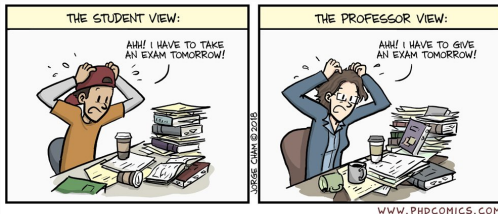
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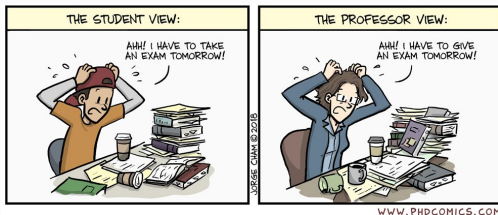
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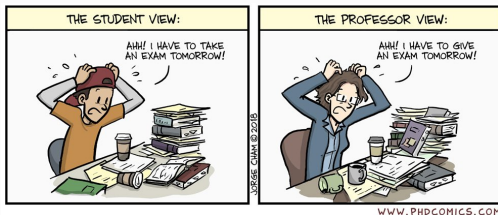
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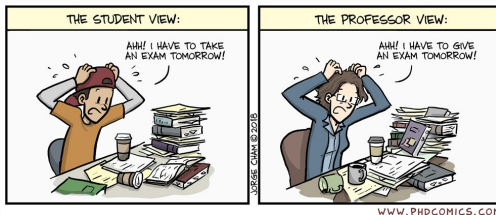
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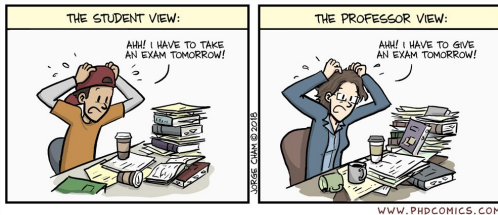
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- ▶ No prep-courses for an exam; we do not provide older exams for self-tests
- ▶ If you feel unprepared do not register for the exam (or de-register early enough)



- ▶ THWS calendar: <https://www.thws.de/beratung-und-service/bewerbung-immatrikulation-pruefungen-praktikum/>
- ▶ Official rules are only those given in the SPO /APO see mai.fhws.de/en
- ▶ If your final bachelor certificate was not ready it must be shown to HSST until the first exam period starts
- ▶ You do not have to take all exams scheduled in the plan (be responsible)
- ▶ No prep-courses for an exam; we do not provide older exams for self-tests
- ▶ If you feel unprepared do not register for the exam (or de-register early enough)
- ▶ Portfolio runs over the semester (as soon as you submit something you are in) - ill during an assignment? (see above)



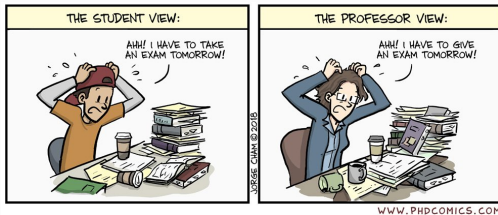
- ▶ (De-)register for exams at the Campus portal <https://campusportal.fhws.de/>



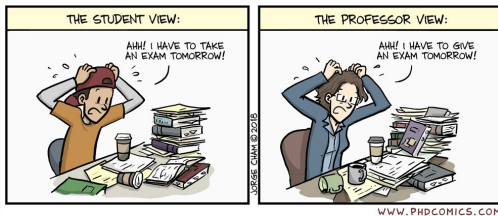
- ▶ You are ill? - let us know (HSST) + get a sick certificate (clinician)



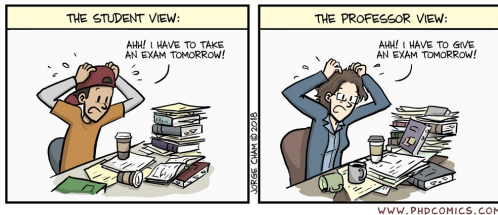
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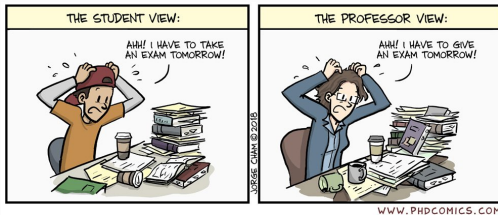
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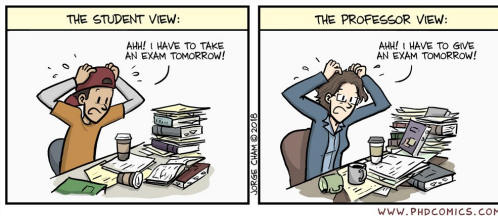
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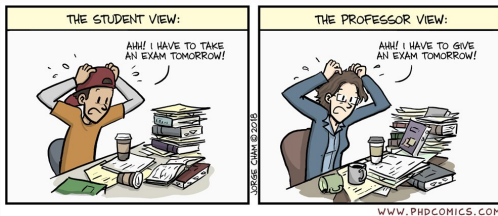
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We have always strict deadlines and we like forms!

		SWS	4	8	12	16	20	24
		ECTS Points	5	10	15	20	25	30
Semester	2		Trustworthy AI and AI Regulations	Fundamentals of Mobile Robotics	Semantic Data Processing and Representation	Learning of Structured Data	Scientific Seminar	Project Module 2

Figure: <https://mai.THWS.de/>

		SWS	4	8	12	16	20	24
		ECTS Points	5	10	15	20	25	30
Semester	3	Master's Thesis						Elective 2

Figure: <https://mai.THWS.de/>



Rooms: lectures, seminars, project work and electives are done here:



4

Figure: <https://fiw.THWS.de/>

or in the CAIRO Building (Franz Horn Strasse 2, Zellerau)

Examination office - in the ground floor (not shown), deans office in the third floor



4

Figure: Deans office (note the white post box!) <https://fiw.THWS.de/>

Your professors, lecturers, seminar managers, research assistants



Figure: ... are hard to catch - please email first!

... or make an appointment (<https://fiw.THWS.de/fakultaet/personen/>)

Your MAI professors with the research groups and some labs



Figure: ... may be also in the CAIRO building!

... this is in the Zellerau

Course material and communication via moodle:

- ▶ one **moodle** course per module - see <https://elearning.THWS.de/>
- ▶ some material could be at the **THWS cloud**: <https://cloud.THWS.de/>
- ▶ the **library** - many literature online: <https://bibliothek.THWS.de/en/>
- ▶ we have a branch of the library in the second floor (use it)

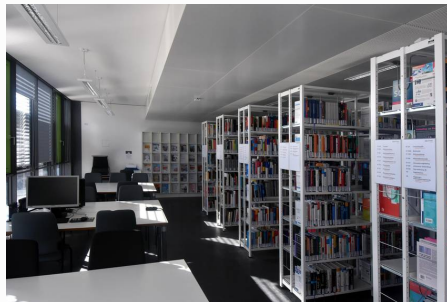


Figure: FIW library

