

Welcome Event for BSc AI

October 14 2024



Friedrich-Alexander-Universität
Department Artificial Intelligence
in Biomedical Engineering | AIBE

Agenda

Welcome Event for BSc AI – winter semester 24/25



- 09:30 to 09:45 Introduction ([Prof. Dr. David Blumenthal](#))
- 09:45 to 10:00 Presentation of the lecturers involved
- 10:00 to 10:45 Information on organizational topics ([Nora Manz, M.A.](#))
- 10:45 to 11:00 Presentation of the student association ([FSI AI](#))

Introduction and presentation of the lecturers

October 14 2024



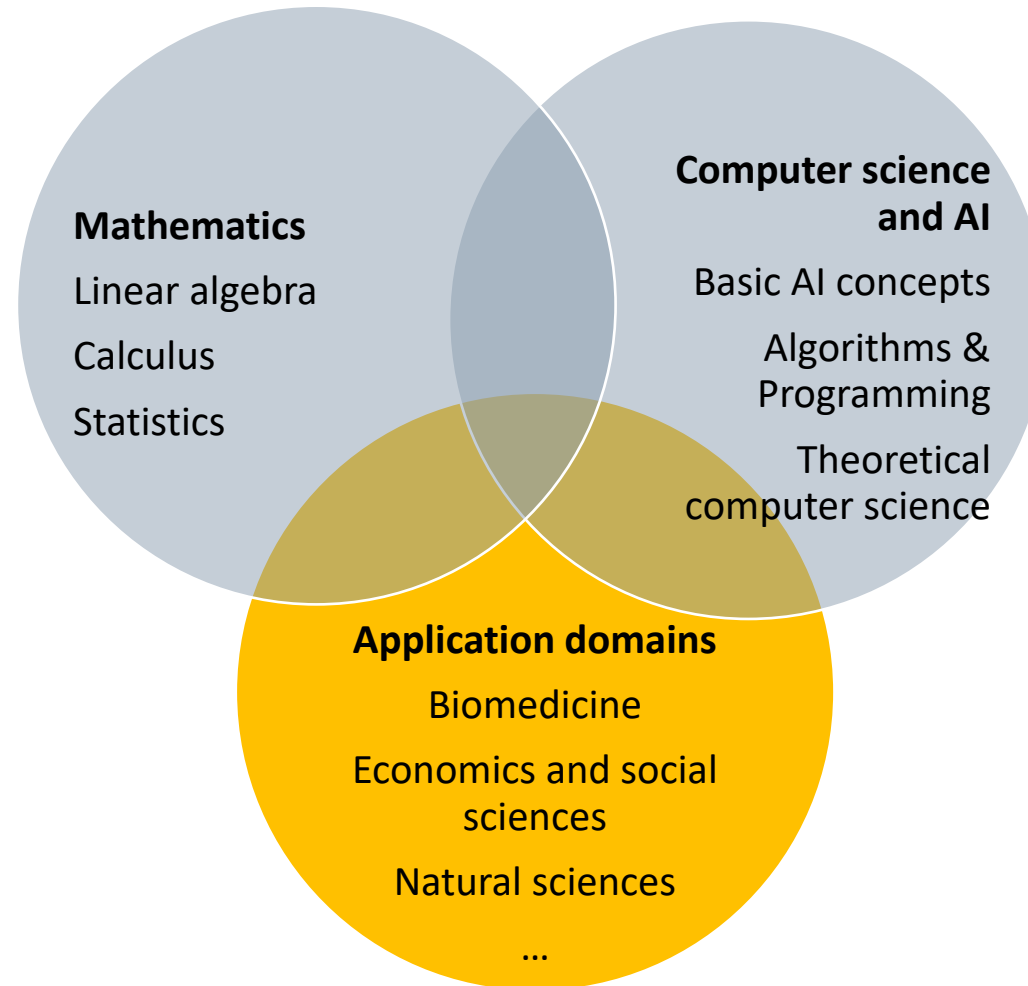
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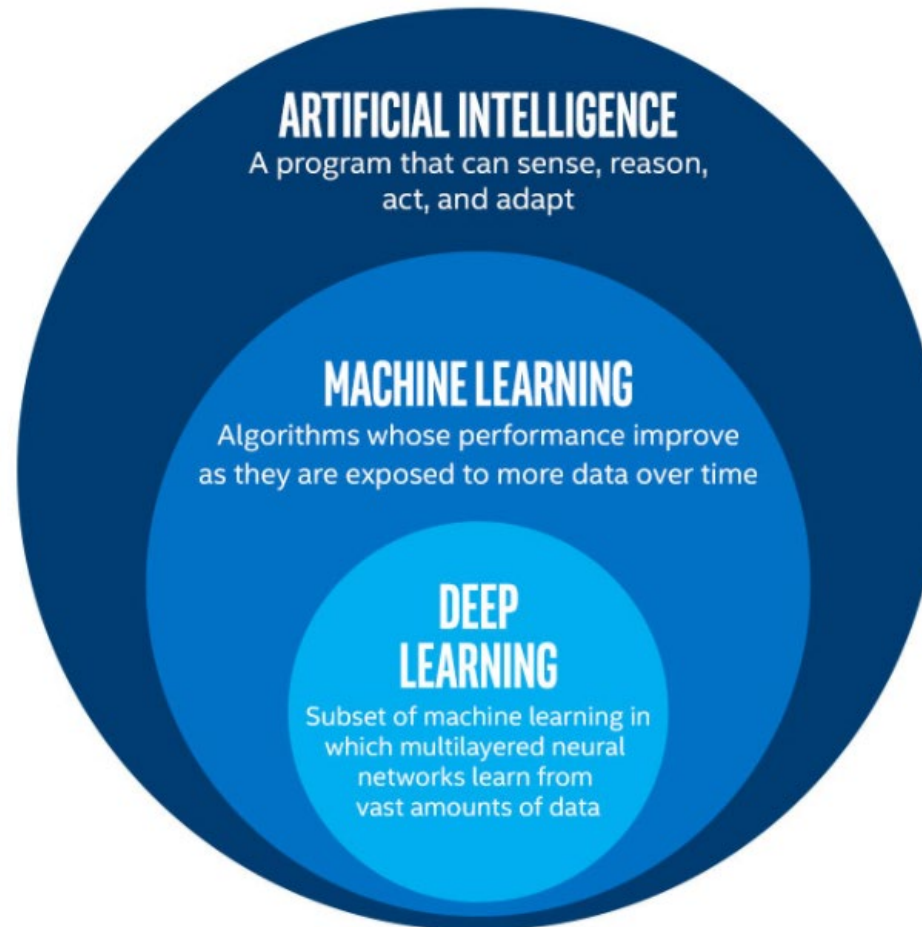
Existing AI solutions are great but there's still room for improvement (Prof. Dr. David Blumenthal)

Gemini prompt:

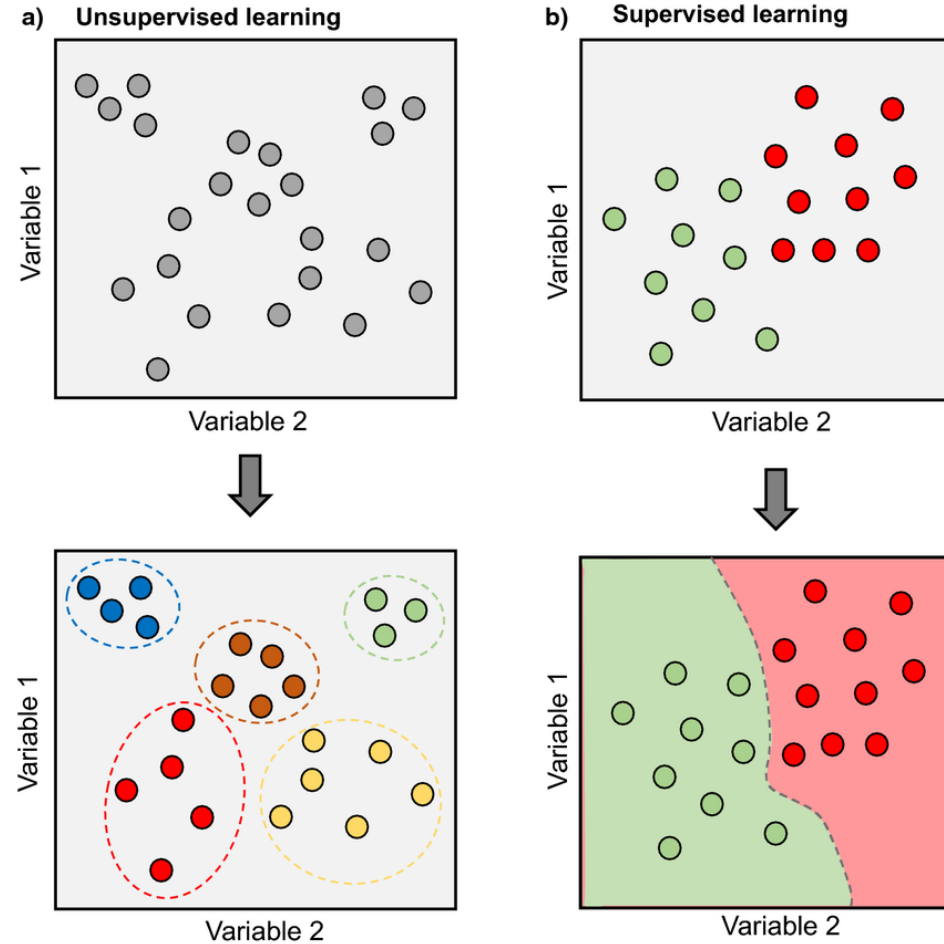
“Generate an image for a ppt presentation that shows fundamentals in mathematics, fundamentals in computer science and basic knowledge in application domains as the three pillars for successfully completing a BSc degree in artificial intelligence.”







Source: <https://medium.com/swlh/artificial-intelligence-machine-learning-and-deep-learning-whats-the-real-difference-94fe7e528097>



Source: <https://doi.org/10.1186/s12052-021-00147-x>

Specialized lectures

AI for time series,
Deep learning,
...

Projects

Research-oriented
Apply your theoretical knowledge

Seminars

Dive into current topics in AI,
Learn how to present and write
scientific texts

BSc thesis

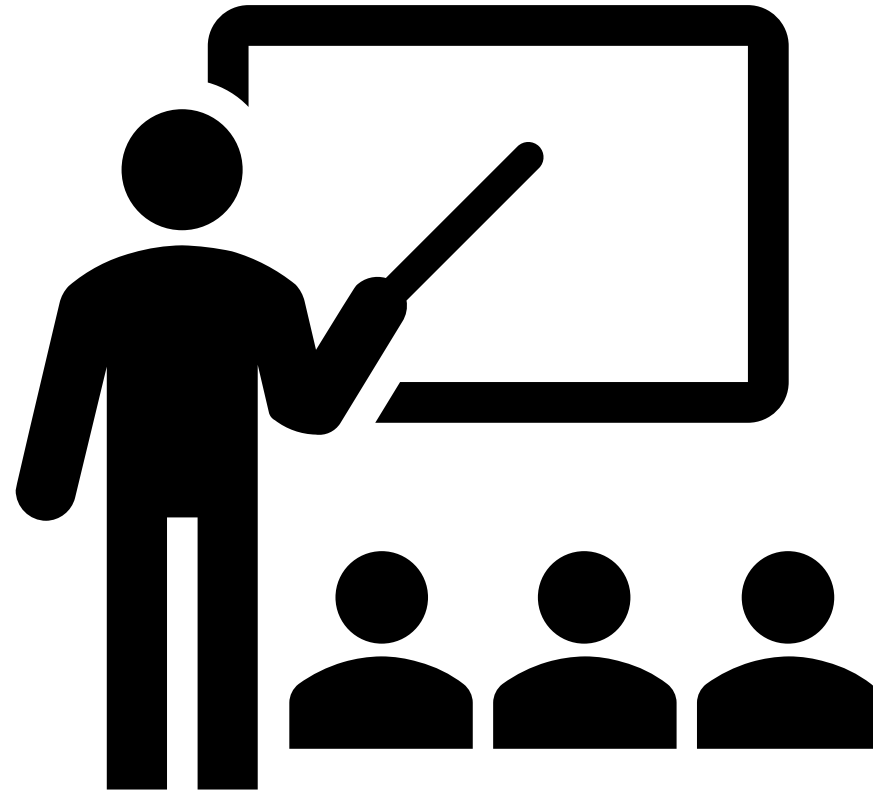
Become an expert in a narrow
topic
Prepare for MSc or job market

Be curious and self-motivated!

Take responsibility!

Work independently!

Read your study degree regulations!



Biomedical Imaging and Sensing

Our research is dedicated to improving the effectiveness and reducing side effects of medical imaging and sensing technologies. We develop novel diagnostic biomarkers, imaging methodologies, and automated image analysis techniques for early detection of disease and optimal treatment.



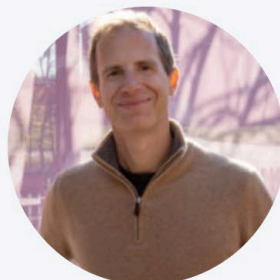
Andreas Kist

Artificial Intelligence in
Communication Disorders



Bernhard Kainz

Image Data Exploration
and Analysis



Florian Knoll

Computational Imaging



Tobias Reichenbach

Sensory Neuroengineering

https://www.aibe.tf.fau.de/research/research-areas/#collapse_0

Health Data Science

We advance methodological knowledge in the fields of biostatistics, epidemiology, public health, disease phenotyping, medical informatics, and bioinformatics. Our aim is to contribute novel insights from observational health data to provide clinically actionable information for individual patients and to inform health policy on population level.



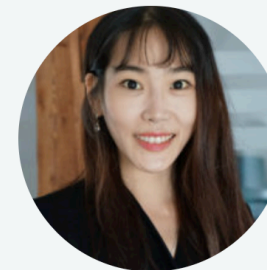
Bjoern Eskofier

Machine Learning and Data Analytics



David B. Blumenthal

Biomedical Network Science



Seung Hee Yang

Artificial Intelligence in Biomedical
Speech Processing

https://www.aibe.tf.fau.de/research/research-areas/#collapse_1

Medical Robotics

AIBE is active in all major areas of Medical Robotics, in particular in prosthetics, surgical robotics, rehabilitation robotics and virtual reality for gamification and rehabilitation. We also specifically focus on AI-based co-adaptation of users and devices, and AI-driven human-machine interaction.



Alessandro Del Vecchio

Neuromuscular Physiology and
Neural Interfacing



Claudio Castellini

Assistive Intelligent Robotics



Franziska Mathis-Ullrich

Surgical Planning and Robotic
Cognition (SPARC)

https://www.aibe.tf.fau.de/research/research-areas/#collapse_2

Information on organizational topics

October 14 2024



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Information on organizational topics (Nora Manz, M.A.)



Welcome Event for BSc AI – winter semester 24/25

1. FAU: dates & abbreviations
2. Basics: modules, courses, exams
3. Important: examination regulations & 1st semester
4. Tools: IdM und FAUmail, Campo, StudOn
5. Your to-dos
6. Contact points
7. FAU community
8. FAU for you

1. FAU: dates & abbreviations

Welcome Event for BSc AI – winter semester 24/25

Dates 1

- academic year consists of 2 semesters
 - **Winter semester (WS)**
 - October 1 to March 31
 - lectures: mid-October to early February
 - **Summer semester (SS)**
 - April 1 to September 30
 - lectures: mid-April to late July
- in between: lecture-free period for vacation, work, internships, but also exams (first 2 weeks + last 4 weeks + e-exams outside these periods)
- semester dates: <https://www.fau.eu/education/study-organisation/semester-dates/>

1. FAU: dates & abbreviations



Welcome Event for BSc AI – winter semester 24/25

Dates 2

	winter semester 24/25	summer semester 25
Semester	October 1 to March 31	April 1 to September 30
Lectures	October 14 to February 7	April 23 to July 25
Exam registration	November 18 to December 8	
Christmas break	December 20 to January 6	
Exam periods	February 10 to February 22, March 28 to April 17, e-exams outside these periods	July 28 to August 9, September 19 to October 12, e- exams outside these periods

- exam periods: <https://www.fau.eu/education/advice-and-services/examination-offices/examinations-office-faculty-of-engineering/>

1. FAU: dates & abbreviations



Welcome Event for BSc AI – winter semester 24/25

Dates 3

- **standard duration of study**
 - 6 semester for full-time students
 - 12 semesters for part-time students
 - extensions possible upon justified request
- **Grundlagen- und Orientierungsprüfung (GOP)** = preliminary exam
 - certain examinations must be passed in the first 2-3 semesters (part-time study: 4-6 semesters)
 - examinations check whether the basics have been understood and whether the degree program is suitable
 - only 2 attempts, failure to pass leads to exmatriculation
 - extensions possible upon justified request

1. FAU: dates & abbreviations

Welcome Event for BSc AI – winter semester 24/25

Abbreviations 1

- FAU = Friedrich-Alexander-Universität Erlangen-Nürnberg
- TF = Technische Fakultät (Faculty of Engineering)
- AIBE = Department Artificial Intelligence in Biomedical Engineering
- WS/WiSe = winter semester
- SS/SoSe = summer semester
- c.t. = cum tempore = +15min (11:00 c.t. = 11:15)
- s.t. = sine tempore = as indicated (11:00 s.t. = 11:00)
- BSc AI = Bachelor of Science Artificial Intelligence
- GOP = Grundlagen- und Orientierungsprüfung (preliminary exam)

1. FAU: dates & abbreviations

Welcome Event for BSc AI – winter semester 24/25

Abbreviations 2

- **ABMPO/TF** = Allgemeine Studien- und Prüfungsordnung für die Bachelor- und Masterstudiengänge und die sonstigen Studien an der Technischen Fakultät (general degree program and examination regulations for degree programs at FAU's TF)
 - more general rules (obligations and rights), e.g. withdrawal and repetition of examinations, part-time studies, GOP, fraud, ...
 - <https://www.fau.de/fau/rechtsgrundlagen/pruefungsordnungen/tech/#allg-po-ba-ma>
- **FPOBScAI** = Fachstudien und Prüfungsordnung für BSc AI (degree program and examination regulations for BSc AI at FAU)
 - specific rules for BSc AI, e.g. GOP, study progression, ...
 - <https://www.fau.de/fau/rechtsgrundlagen/pruefungsordnungen/tech/artificial-intelligence-in-biomedical-engineering/#artificial-intelligence-ba>

1. FAU: dates & abbreviations

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Abbreviations 3

- SWS = Semesterwochenstunde (semester hours) = lecture time/week
- ECTS = European Credit Transfer System = credit points for modules

- for comparability of the modules and the workload
- 1 ECTS \approx 30 of hours of work (in class & at home)

- **Recommendation**
 - ca. 30 ECTS/semester for full-time students
 - ca. 15 ECTS/semester for part-time students (relatively strict)

1. FAU: dates & abbreviations

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Abbreviations 4

- types of courses
 - **VL (L) = Vorlesung (lecture)**
 - no registration, just attend 1st lecture (starts in first week)
 - **Ü (E/T) = Übung (exercise/tutorial)**
 - attend 1st lecture to find out about exercise modalities (usually starts in 2nd week)
 - regular attendance = best exam preparation
 - P = Praktikum (practical or project course)
 - registration (see Campo), attendance mandatory > not recommended for early semesters
 - S = Seminar
 - registration (see Campo), attendance mandatory > not recommended for early semesters

1. FAU: dates & abbreviations

Welcome Event for BSc AI – winter semester 24/25

Abbreviations 5

- types of exams
 - **PL (gCA/EA) = Prüfungsleistung (graded course achievement/graded examination achievement)**
 - graded, limited number of attempts
 - Schriftliche Klausur (written exam), e.g. K60 (WE60) = written exam 60min
 - Mündliche Prüfung (oral exam), e.g. M30 (O30) = oral exam 30min
 - Seminarleistung (seminar achievement), e.g. SemL (SemA) = presentation + paper
 - **SL (uCA/CA) = Studienleistung (ungraded course achievement/course achievement)**
 - ungraded, unlimited number of attempts
 - Übungsleistung (exercise/tutorial achievement), e.g. ÜbL (TA) = 4 math problems

1. FAU: dates & abbreviations

Welcome Event for BSc AI – winter semester 24/25

Abbreviations 6

- StuKo AIBE = Studienkommission AIBE (degree program committee)
 - discusses and decides subject-specific matters such as FPO, new modules, ...
- FSI AI = Fachschaftsinitiative BSc/MSc AI (student association)
 - organizes events and represents student voices in university politics
 - <https://www.ai.study.fau.eu/student-unions/>
- FSV TF = Fachschaftsvertretung der TF (student committee)
 - elected student representatives at faculty level
 - <https://fsv.tf.fau.de/en/>

2. Basics: modules, courses, exams

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Difference between module and course

– module

- remains basically the same in the long term
- provides general information on content and conditions
- may consist of different courses (e.g. 1 L + 1 E) and 1 or more examinations (e.g. gCA = variable; uCA = ÜbL)

– course

- can be slightly different each semester
- specific rules for the current semester (e.g. in WS 24/25 gCA = K60, uCA = ÜbL: 4 math problems)

A module is only completed when all examinations have been passed!

2. Basics: modules, courses, exams

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Exams 1

- **registration is mandatory**
 - exam registration is independent from course registration
 - reminder email at the start of the exam registration period
- each exam takes place once per semester
 - in one of the two examination periods (not in both), specific date is often not fixed until late

2. Basics: modules, courses, exams

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Exams 2

- **withdrawal from registered exams**
 - self-deregistration via Campo until 3rd working day before the exam day without giving any reasons (Mon-Fri; public holidays don't count)
 - last-minute withdrawal in case of illness/severe reasons (send medical/other certificate immediately to the Examinations Office)
 - If you feel sick during an exam, you must tell the supervisors, leave the exam and see one of the authorized FAU doctors; if the doctor confirms your illness, the exam attempt doesn't count.

If you don't attend an exam that you are registered for without submitting a medical/other certificate, it counts as a failed attempt!

2. Basics: modules, courses, exams

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Exams 3

- **exam attempts**
 - 2 attempts for GOP exams and 4 attempts for other exams
 - only 1 attempt/semester
 - you decide in which semester you want to take your attempts
 - failed 2nd/4th attempt = end of AI studies (if applicable: loss of visa)
- **cheating**
 - includes fraud, plagiarism, unauthorized aids (e.g. AI if not explicitly permitted), ...
 - graded with 5.0 (failed) and reported to the Examination Office
 - serious consequences possible in case of repetition (e.g. exmatriculation)

2. Basics: modules, courses, exams

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Exams 4

- general information and tips
 - Be present at courses and take an active part. Ask questions.
 - Start learning early and with fellow students. Use offers such as exercises and tutorials.
 - Memorization is not enough. You are expected to understand and apply the content.
 - Select a new elective module after the penultimate attempt.
 - In every semester in which a last attempt is due, apply for another degree program as a precaution.

3. Important: examination regulations & 1st semester

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ABMPO/TF 1

- important regulations on your obligations and rights
- applies to all TF students
- more general rules (obligations and rights), e.g. withdrawal and repetition of examinations, part-time studies, GOP, fraud, ...
- **Please read it carefully and consult it again if you have any questions.**
- <https://www.fau.de/fau/rechtsgrundlagen/pruefungsordnungen/tech/#allg-po-ba-ma>

3. Important: examination regulations & 1st semester

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ABMPO/TF 2 – GOP

Section 3 Structure of the Bachelor's Degree Program, Examinations and Standard Duration of Study, Part-Time Study, Start of Degree Program, Practical Work Prior to Studies, Teaching and Examination Language

(1) ¹By the end of the second semester, students shall take a preliminary examination (Grundlagen- und Orientierungsprüfung, GOP) covering the foundations of the Bachelor's degree program pursuant to Section 29 in conjunction with the regulations set forth in the respective **degree program and examination regulations**. ²The

- GOP deadline for full-time students: end of the 2nd (3rd) semester
- GOP deadline for part-time students: end of the 4th (6th) semester

3. Important: examination regulations & 1st semester

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FPOBScAI 1

- most important document for your studies
- specific rules for BSc AI, e.g. GOP, study progression
- **Please read it carefully and consult it again every semester before choosing your new courses.**
- <https://www.fau.de/fau/rechtsgrundlagen/pruefungsordnungen/tech/artificial-intelligence-in-biomedical-engineering/#artificial-intelligence-ba>

3. Important: examination regulations & 1st semester

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FPOBScAI 2

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Section 2 Bachelor's Degree Program, Degree Programs in Equivalent Subjects, Teaching and Examination Language, Language Requirements	1
Part II: Special Provisions	2
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Section 3 Structure of the Bachelor's Degree Program.....	2
Section 4 Grundlagen- und Orientierungsprüfung (GOP)	2
Section 5 Module Group B14 – Application Domain Fundamentals	2
Section 6 Module Group B15 – Artificial Intelligence Electives	3
Section 7 Module B16 – Artificial Intelligence Seminar	3
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Section 9 Module Group B18 – Free Choice	4
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3. Important: examination regulations & 1st semester

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FPOBScAI – GOP

Section 4 Grundlagen- und Orientierungsprüfung (GOP)

In order to pass the Grundlagen- und Orientierungsprüfung examination, students must acquire at least 30 ECTS credits from modules B1, B2, B3, B6, B7 and B9 pursuant to **Appendix 1** or **Appendix 2** respectively.

- B1 – Algorithms, programming, and data representation (WS, 10 ECTS)
- B2 – Data engineering (SS, 5 ECTS)
- B3 – Applied programming (SS, 5 ECTS)
- B6 – Mathematics for data science 1 (WS, 10 ECTS)
- B7 – Mathematics for data science 2 (SS, 10 ECTS)
- B9 – Artificial intelligence perspectives (WS, 5 ECTS)

3. Important: examination regulations & 1st semester

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FPOBScAI – structure of the BSc AI 1

- basic knowledge and methods are taught in the compulsory modules of the three basic areas:
 - Computer Science
 - Mathematics
 - Artificial Intelligence
 - **You have to take exactly the modules listed in the FPOBScAI.**
- modules in the various compulsory elective areas enable you to supplement and deepen your specialist knowledge:
 - **You can choose which modules you would like to take from a module catalog.**
 - total number of ECTS credits per module area can be found in the FPOBScAI

3. Important: examination regulations & 1st semester

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FPOBScAI – structure of the BSc AI 2

- core modules in Computer Science (compulsory)
 - B1 – Algorithms, programming, and data representation
 - B2 – Data engineering
 - B3 – Applied programming
 - B4 – Computational complexity
 - B5 – Introduction to software engineering

3. Important: examination regulations & 1st semester

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FPOBScAI – structure of the BSc AI 3

- core modules in Mathematics (compulsory)
 - B6 – Mathematics for data science 1
 - B7 – Mathematics for data science 2
 - B8 – Probability and stochastic processes

3. Important: examination regulations & 1st semester

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FPOBScAI – structure of the BSc AI 4

- core modules in Artificial Intelligence (compulsory)
 - B9 – Artificial intelligence perspectives
 - B10 – Artificial intelligence fundamentals 1
 - B11 – Logic and symbolic artificial intelligence
 - B12 – Artificial intelligence fundamentals 2
 - B13 – Ethics and philosophy of AI (advanced seminar)

3. Important: examination regulations & 1st semester

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FPOBScAI – structure of the BSc AI 5

- compulsory elective areas:
 - B14 – Application domain fundamentals (4x5 ECTS)
 - B15 – Artificial intelligence electives (6x5 ECTS)
 - B16 – Artificial intelligence seminar (5 ECTS)
 - B17 – Artificial intelligence project (10 ECTS)
 - B18 – Free Choice (2x 5 ECTS)

- Bachelor's thesis + advanced seminar (12+3 ECTS)

3. Important: examination regulations & 1st semester

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FPOBScAI – study progression 1

Appendix 1: Structure of the Bachelor’s Degree Program in Artificial Intelligence – Full-time study

Module no.	Module name	SWS (semester hours)				Total ECTS credits	Distribution of workload per semester in ECTS credits						Type and scope of the examination	GOP
		L	T	P	S		1. Winter semester	2. Summer semester	3. Winter semester	4. Summer semester	5. Winter semester	6. Summer semester		
Core modules in computer science														
B1	Algorithms, programming, and data representation	4	2	2		10	10						EA: WE120 + CA: TA	•
B2	Data engineering	2	2			5		5					EA: WE90	•
B3	Applied programming	2	2			5		5					EA: O20 or LA (5 pages) and CA: TA	•
B4	Computational complexity	4	2			7.5			7.5				EA: WE90	
B5	Introduction to software engineering	2	2			5			5				EA: WE90	

It is not compulsory to follow this study progression, but it is highly recommended (because of GOP)!

3. Important: examination regulations & 1st semester

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FPOBScAI – B1 Algorithms, programming, and data representation (AlgProgDat)

B1	Algorithms, programming, and data representation	4	2	2		10	10											EA: WE120 + CA: TA	•
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- Courses
 - lecture, 4 SWS > **Tuesday, 8:15-11:45, room: H20, Prof. Dr. Bernhard Kainz & Dr. Christine Müller, no registration**
 - exercise, 2 SWS > **information on exercise and practical course groups in 1st lecture**
 - practical course, 2 SWS > **information on exercise and practical course groups in 1st lecture**
- Exams:
 - graded: written examination 120min
 - ungraded: tutorial achievement/exercises

3. Important: examination regulations & 1st semester

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FPOBScAI – B6 Mathematics for Data Science 1 (MDS1)

B6	Mathematics for data science 1	4	² 4*		10	10							EA: WE120 + CA: TA	•
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- Courses

- lecture (Mathematics for Engineers I), 4 SWS > **Tuesday, 12:15-13:45, and Wednesday, 12:15 to 13:45, room: H8, Dr. Yasmin Sanderson, no registration**
- exercise (Mathematics for Engineers I), 2 SWS > **information on exercise groups in 1st lecture**
- special Topics in Mathematics for Engineers I, 2 SWS > **Thursday, 8:15 to 9:45, room: H8, Dr. Yasmin Sanderson & Dr. Shigenori Nakatsuka**

- Exams:

- graded: written examination 120min
- ungraded: tutorial achievement/exercises

3. Important: examination regulations & 1st semester

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FPOBScAI – B9 Artificial intelligence perspectives (AIP)

B9	Artificial intelligence perspectives	2	2			5	5											EA: W90 or O30 ²⁾	•
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- Courses
 - lecture series (different speakers), 2 SWS > **Wednesday, 10:15-11:45, room: H19, Prof. Dr. Björn Eskofier & Jonas Müller, no registration**
 - exercise/short excursions, 2 SWS > **information on exercises/excursion in 1st lecture**
 - Use this opportunity to get to know the AI people and labs at FAU and surrounding companies!
- Exams:
 - graded: written examination 90min

3. Information on organizational topics (Nora Manz, M.A.)

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FPOBScAI – B14 Application domain fundamentals (ADF)

B14	Application domain fundamentals pursuant to Section 5 ³⁾	20	5	5	5	5			EA: see Section 5 (3)	
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- modules from application domains to understand the areas in which AI methods are used
 - courses from other degree programs (limited number of places for BSc AI students)
 - places are allocated centrally
 - **Please do not register directly for the modules, but indicate in an e-mail to study-ai-bachelor@fau.de which courses you would like to take this semester.**
- Concentrate on compulsory modules and GOP first!

3. Information on organizational topics (Nora Manz, M.A.)

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FPOBScAI – B18 Free choice

B18	Free Choice pursuant to Section 9 ⁵⁾	10		5		5				CA: see Section 9 (3)	
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- Free choice from electives, soft skills and language courses at FAU
 - language courses in English up to and including B1+ are excluded
 - select course, register if necessary and ask the lecturer for the examination number
 - **Please send an e-mail to study-ai-bachelor@fau.de by October 28 stating which modules (title) and examinations (no.) you have chosen this semester.**
- Concentrate on compulsory modules and GOP first!

3. Information on organizational topics (Nora Manz, M.A.)



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FPOBScAI – general information & tips

- attend seminars and projects later (knowledge from compulsory courses required)
- more information about projects and theses on the website in due course
- **use Free choice and Application domain fundamentals as preparation for Master's degree at FAU**
 - German language courses for various Master's degrees (German A2 may become mandatory)
 - electrical engineering modules for MSc Medical Engineering
 - etc.

4. Tools: IdM und FAUmail, Campo, StudOn

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IdM

- IdM is a FAU system that maps the digital identity of its members
- IdM ID accompanies the FAU user throughout their whole FAU lifecycle
- IdM ID needed for most FAU services (SSO)
- via IdM: Manage your data, activate services, block your FAUcard if you lose it, order newsletters etc.
- https://www.idm.fau.de/index_en.html

4. Tools: IdM und FAUmail, Campo, StudOn

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FAUmail

- **All important information regarding your studies will be sent to your FAUmail account. You're responsible for receiving and reading it!**
- to forward your emails from your FAUmail account to your private email account:
 - log into IdM
 - go to „Self Service“ > „Email“
 - click on the magnifying glass symbol and enter your private email address
 - make sure to have enough free space in your private email account!
- Use your FAUmail account to contact lecturers and other FAU staff.
- <https://faumail.fau.de/>

4. Tools: IdM und FAUmail, Campo, StudOn

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Campo

- Campo is the most important tool for modules, events and exams
- many things work without login, others only after login
- Campo can be a bit complicated
 - often 10 different paths lead to the same result, find your own
 - save frequent options or searches as favorites
 - ask fellow students for tips
 - FAQs and guides: <https://www.intern.fau.eu/teaching-studying/course-and-examination-management-campo-portal/guides-videos-faqs-on-campo/>
- <https://www.campo.fau.de/>

4. Tools: IdM und FAUmail, Campo, StudOn

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Campo – course catalog 1

- **course catalog provides an overview of courses in the current semester**
 - make sure that the correct semester is selected at the top
 - navigate to the degree program to see modules (with number) 
 - if a course is offered in this semester, it will appear below it 
 - exams (with number) also appear there as soon as they have been created 
 - expand for brief information such as date, room, person responsible
 - Click on link to call up details
- range of courses in the new BSc AI will be expanded each semester
- pdf module handbook is published on the website once a semester
 - doesn't contain any free choice modules (too many!)
 - is only created once a semester, Campo is more up-to-date

4. Tools: IdM und FAUmail, Campo, StudOn



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Campo – course catalog 2

- Faculty of Engineering
 - Advanced Materials and Processes
 - Advanced Optical Technologies
 - Advanced Signal Processing & Communications Engineering
 - Artificial Intelligence
 - Bachelor of Science Artificial Intelligence Hauptfach PO-Version 2024
 - 47598 Algorithms, programming, and data representation
 - 75981 Algorithms, programming, and data representation - Teilleistung
 - 75982 Algorithms, programming, and data representation - Teilleistung
 - AlgProgDat - Algorithms, programming, and data representation - Lecture
 - Algorithms, programming, and data representation - 1. parallelgroup
Dienstag, 15.10.24 - 04.02.25 from 08:15 to 11:45 c.t. (wöchentlich) 11906.01.040 (H20)
Lecturer: Prof. Dr. Kainz, Bernhard; Müller, Christine
 - AlgProgDatEx - Algorithms, programming, and data representation; Computer Exercise - Tutorial/exercise
 - AlgProgDatTut - Algorithms, programming, and data representation; Exercise - Tutorial/exercise

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – courses 1

- entry for the course usually only contains organizational information
 - course type, ECTS, SWS and frequency
 - date, lecturer and room
- **link to the StudOn course**
 - if registration for the course is necessary, usually via StudOn (for B14 - please contact me beforehand!)
 - provision of course materials
 - possibility to submit tasks
- information on curriculum and content usually not here, but in the module

4. Tools: IdM und FAUmail, Campo, StudOn



Welcome Event for BSc AI – winter semester 24/25

Campo – courses 2

Semester planning

- Events
- Contents
- Course catalog
- Modules and degree programs
- Documents

Basic data

Title	Algorithms, programming, and data representation	Course type	Lecture
Short text	AlgProgDat	Module frequency	Every semester
Organizational unit	<ul style="list-style-type: none">TechFak Elektromobilität-ACES Master of Science (Verantwortlicher)TechFak Medizintechnik Master of Science (Verantwortlicher)TechFak Autonomy Technologies Bachelor of Science (Verantwortlicher)NatFak Data Science Master of Science (Verantwortlicher)W3-Professur für Image Data Exploration and Analysis (Verantwortlicher)More...	ECTS credits	5.0
		Semester hours per week	4.0
		Link to StudOn course (login)	Parallelgruppe 1: Algorithms, programming, and data representation

Algorithms, programming, and data representation

- Export data as iCalendar (ics)
- Individual dates
- Open details

Semester hours per week	4.0
Teaching Language	english
Responsible	<ul style="list-style-type: none">Prof. Dr. Bernhard KainzChristine Müller

Changes	Frequency	Weekday	From - To	Cancellation date	Start date - End date	Exp. Att.	Comment	Lecturer(s)	Room
	Weekly	Tue	8:15 AM - 11:45 AM c.t.	<ul style="list-style-type: none">12/24/202412/31/2024	Oct 15, 2024 - Feb 4, 2025	172		<ul style="list-style-type: none">Prof. Dr. Bernhard KainzChristine Müller	11906.01.040 (H20)

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – modules 1

- one of many ways to view module descriptions
 - “Show module descriptions”
 - search for “Bachelor Artificial Intelligence”
 - **all modules, courses and examinations are displayed in the overview**
 - click on the magnifying glass symbol next to the module, course or exam you are interested in
- module description provides information on content, as well as additional information on the examination method and grading procedure and a list of relevant literature

4. Tools: IdM und FAUmail, Campo, StudOn



Welcome Event for BSc AI – winter semester 24/25

Campo – modules 2

Show module descriptions

[New search](#) [To change the search](#) [Back to the result list](#)

[Expand all](#) [Collapse all](#) [Documents](#)

[HTML print view](#)

Structure	Type of Event / Examination	Integration in curriculum	Alternative integration in curriculum	ECTS credits	Semester hours per week	
▼ Bachelor of Science Artificial Intelligence Hauptfach PO-Version 20242						
▼ 10000 Bachelor's examination				180	0	
▼ 2000 Total		1 - 6		180	0	
▼ 47598 Algorithms, programming, and data representation		1		10		
• 75981 Algorithms, programming, and data representation	Teilleistung	1		5		
• 75982 Algorithms, programming, and data representation	Teilleistung	1		5		
• Algorithms, programming, and data representation	Lecture	1		5	4	
• Algorithms, programming, and data representation; Computer Exercise	Tutorial/exercise	1		2.5	2	
• Algorithms, programming, and data representation; Exercise	Tutorial/exercise	1		2.5	2	

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – exams 1

- overview of registered exams in Campo
 - Main Menu > „My Studies“ > „Show my enrollments“
- registration for exams only possible in a certain period (note info e-mail)

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – further options

- “search for room” to get information about a room (e.g. address or location on campus)
- **provides important documents**
 - transcript of records
 - certificate of enrollment
- plan your schedule for the current semester
- Many, many more!

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – schedule 1

- **create schedule**
 - go to the entry of the course you want to add
 - click on “save to schedule”
 - remember to also add exercises etc.
- **display schedule: “My Studies” > “Schedule” (pdf export possible)**
- FAQs and guides: <https://www.fau.eu/education/study-organisation/tips-for-starting-studies-at-fau/how-do-i-draw-up-my-schedule/>
- video tutorial: <https://www.youtube.com/watch?v=jU6vLN912WA>

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

Campo – schedule 2

Semester planning

- Events
- Contents
- Course catalog
- Modules and degree programs

Basic data

Title	Algorithms, programming, and data representation	Course type	Lecture
Short text	AlgProgDat	Module frequency	Every semester
Organizational unit	<ul style="list-style-type: none">TechFak Elektromobilität-ACES Master of Science (Verantwortlicher)TechFak Medizintechnik Master of Science (Verantwortlicher)TechFak Autonomy Technologies Bachelor of Science (Verantwortlicher)NatFak Data Science Master of Science (Verantwortlicher)W3-Professur für Image Data Exploration and Analysis (Verantwortlicher)More...	ECTS credits	5.0
		Semester hours per week	4.0
		Link to StudOn course (login)	Parallelgruppe 1: Algorithms, programming, and data representation

Algorithms, programming, and data representation

- Save to schedule
- Export data as iCalendar (ics)
- Individual dates
- Open details

Semester hours per week	4.0
Teaching Language	english
Responsible	<ul style="list-style-type: none">Prof. Dr. Bernhard KainzChristine Müller

Changes	Frequency	Weekday	From - To	Cancellation date	Start date - End date	Exp. Att.	Comment	Lecturer(s)	Room
	Weekly	Tue	8:15 AM - 11:45 AM c.t.	<ul style="list-style-type: none">12/24/202412/31/2024	Oct 15, 2024 - Feb 4, 2025	172		<ul style="list-style-type: none">Prof. Dr. Bernhard KainzChristine Müller	11906.01.040.(H20)

4. Tools: IdM und FAUmail, Campo, StudOn

Welcome Event for BSc AI – winter semester 24/25

StudOn 1

- **StudOn = e-learning platform**
 - if registration for the course is necessary, usually via StudOn (for B14 - please contact me beforehand!)
 - is used to share course materials
 - possibility to submit tasks
 - some lecturers may use StudOn to communicate with you
- guides and help: <https://www.studon.fau.de/cat4386520.html>
- <https://www.studon.fau.de/>

4. Tools: IdM und FAUmail, Campo, StudOn



Welcome Event for BSc AI – winter semester 24/25

StudOn 2

5. Your to-dos

Welcome Event for BSc AI – winter semester 24/25

Your to-dos this semester

- **today:** compile your schedule (and register for courses, if necessary), get to know your fellow students and the Campus
- **from tomorrow on:** go to first lectures (and many more thereafter!), always learn along
- **until October 28:** let me know if/which Free Choice exams you would like to take
- **November 18 to December 8:** exam registration (you'll receive an info e-mail)
- **January 22:** semester talk (discuss general concerns and issues with your profs and me)
- **February 5 to February 9:** re-register and pay semester fee for next semester (you'll receive an info e-mail)
- **February 10 to February 22/March 28 to April 17** (+ e-exam periods): pass your exams

- **A lot of freedom, but also a lot of responsibility for self-organization!**

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – student advisory service

- **study advisor BSc AI**
 - questions about and problems with your studies that you can't resolve yourself
 - support with formalities (semester off, extension of study period, change of subject...)
 - accreditation of achievements
 - Nora Manz (study-ai-bachelor@fau.de), Werner-von-Siemens-Str. 61, 91052 Erlangen
- **general study advisory (TF)**
 - general study-related issues
 - student visa issues
 - Elisabeth Bächle-Grosso (elisabeth.baechle-grosso@fau.de), Halbmondstr. 6-8, 91054 Erlangen
- **Please make an appointment before you visit us in person!**

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – Examinations Office

- **examinations Office TF**

- managing exams, ETCS, grades (first point of contact is always your lecturer)
- withdrawal from exams (due to illness etc.)
- Heike Barthelmann (heike.barthelmann@fau.de), Halbmondstr. 6, 91054 Erlangen
- **Please make an appointment before you visit in person!**

- **RRZE (IT service)**

- problems with IdM or FAUmail
- services: <https://www.services.rrze.fau.de/studierende/>
- contact and help: <https://www.rrze.fau.de/infocenter/kontakt-hilfe/>

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – international affairs

- international Office TF

- information about studies/internships abroad
- general support for international students
- Christine Mohr (christine.mohr@fau.de), Erwin-Rommel-Str. 60, 91058 Erlangen

- international Service FAU

- advice for international students in non-academic matters
- welcome-students@fau.de, Helmstr. 1, 91054 Erlangen
- <https://www.fau.eu/education/advice-and-services/contacts-central-office-for-international-affairs/contacts-for-regular-students/>

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points - Advice on harassment, discrimination, chronic illness

- **office for Equality and Diversity**
 - advice for students with children and help for students with a migratory background
 - support for women (in case of violence, harassment) and for students experiencing discrimination of any kind (due to gender, ethnicity, religion, sexual orientation etc.)
 - gender-und-diversity@fau.de, Bismarckstr. 6, 91045 Erlangen
 - <https://www.equality-and-diversity.fau.eu/>
- **advice for students with disabilities or chronic diseases**
 - general advice and support (e.g. accessibility of buildings)
 - compensation of disabilities during examinations (e.g. more time)
 - Tobias Schulz (beeintraehtigt-studieren@fau.de), Schloßplatz 3/Halbmondstr. 6, 91054 Erlangen

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – psychological and legal support

- psychological support TF

- open consultation (anonymous drop-in sessions)
- high demand, but they endeavor to look after everyone
- tf-psychologische-beratungsstelle@fau.de, Martensstr. 3, 91058 Erlangen
- <https://www.tf.fau.eu/studying/advice-and-services/psychological-services/>

- legal advice

- advice on tenancy law, alien/immigration law, etc.
- Studentenwerk, Hofmannstr. 27, 91052 Erlangen
- <https://www.werkswelt.de/index.php?id=rechtsberatung&setlang=en>

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – jobs and career

- **career Service FAU**
 - help with job search (student/regular)
 - support with applications (e.g. check of documents)
 - training for job interviews
 - workshops and seminars
 - career-service@fau.de, Schloßplatz 3/Halbmondstr. 6, 91054 Erlangen
 - <https://www.fau.eu/education/advice-and-services/career-service/>

- **Ana Schönberger from Career Service will talk about jobs in Germany in AI Perspectives.**

6. Contact points

Welcome Event for BSc AI – winter semester 24/25

Contact points – student life

- mensa & cafeterias

- current menus: <https://www.werkswelt.de/index.php?id=mensen-cafeterien-cafebars>
- student reviews of the current menus: <https://mensatt.de/>

- transportation

- get 29€ ticket (valid throughout Germany on local public transport, 2nd class, monthly cancelable)
- https://meinabo.vag.de/abo/new.aspx?produkt=16230706_1

- buddy program

- experienced students help new international students to get settled
- <https://www.fau.eu/education/international/from-abroad/welcome-programme-for-international-students/buddy-programme/>

7. FAU community



Welcome Event for BSc AI – winter semester 24/25

Further information

- almost all questions are answered somewhere on an FAU website
- first step should always be reviewing the available information (examination regulations, websites, Campo/StudOn, fellow students, FSI)
- At the end of your studies, you will not only be good at your subject, but also independent and well organized.
- **If you can't find the information anywhere and need help, make sure you communicate politely, respectfully and appreciatively.**

7. FAU community

Welcome Event for BSc AI – winter semester 24/25

E-mails to professors, academic staff and administration

- **e-mails should be polite and short and contain all relevant data**
 - pay attention to a suitable salutation
 - state your name, matriculation number and degree program
 - state your request and which module/course/exam it relates to
 - send your e-mail from your FAU e-mail account
- be patient, an answer usually only comes after a few days
- send friendly reminder after 1 week

- beware of phishing: no FAU employee will ask you to buy Spotify vouchers for them or anything similar.

7. FAU community



Welcome Event for BSc AI – winter semester 24/25

Employees' offices

- **only come in person if you have made an appointment**
- be on time for your appointment
- don't disturb anyone at work, but knock and wait until you are invited in

7. FAU community



Welcome Event for BSc AI – winter semester 24/25

FAU community

- **you don't have to pay fees, your education is paid for by the German tax payers, therefore, staff is limited and you're responsible for your own studies**
- university staff are not only responsible for teaching, but also carry out research and participate in administration
- FAU is no company, you're no customer
- we're all part of FAU community, be kind, respectful and patient
- if you want get actively involved, join FSI AI or other student committees
- help shape your degree program and university life

8. FAU for you

Welcome Event for BSc AI – winter semester 24/25

Student groups

- FSI AI = Fachschaftsinitiative BSc/MSc AI (student association)
 - organizes events and represents student voices in university politics
 - <https://www.ai.study.fau.eu/student-unions/>
- FSV TF = Fachschaftsvertretung der TF (student committee)
 - elected student representatives at faculty level
 - <https://fsv.tf.fau.de/en/>
- Student initiatives
 - common interests (professionally, artistically, politically, ...)
 - <https://stuve.fau.de/en/gruppen/>

8. FAU for you

Welcome Event for BSc AI – winter semester 24/25

Language courses

- FAU Language Center (free of charge; limited places and compulsory attendance)
 - <https://sz.fau.eu/>
- adult education center/VHS (chargeable, but not that expensive; language courses (intensive, regular) and many other courses)
 - <https://www.vhs-erlangen.de/>
- online courses of the Virtual University of Bavaria/vhb (free of charge for students at Bavarian universities; not just language courses, but a wide range of courses)
 - <https://www.vhb.org/en/students/>
- language tandems & language cafés
 - <https://sz.fau.eu/department-media-autonomous-learning/autonomous-language-learning/tandem/> & <https://sz.fau.eu/department-media-autonomous-learning/autonomous-language-learning/language-cafes/>

8. FAU for you

Welcome Event for BSc AI – winter semester 24/25

FAU has a lot to offer

- a wide range of voluntary additional courses (e.g. on scientific work)
 - s. course catalog in Campo
- university library (books, magazines, paper, e-ressources)
 - <https://ub.fau.de/en/>
- sports courses
 - https://www.anmeldung.sport.uni-erlangen.de/hsp/sportarten/aktueller_zeitraum_0/
- Much, much more!

Information on organizational topics (Nora Manz, M.A.)



Welcome Event for BSc AI – winter semester 24/25

The best starting point for all searches and questions is the degree program's website:

<https://www.ai.study.fau.eu/>

Information on organizational topics (Nora Manz, M.A.)

Welcome Event for BSc AI – winter semester 24/25

**I wish you a good start to the semester
and lots of fun with your studies!**



FSI AI (Fachschaftsinitiative = Student council initiative)

October 14 2024



Friedrich-Alexander-Universität
Department Artificial Intelligence
in Biomedical Engineering | AIBE

FSI AI (Fachschaftsinitiative = Student council initiative)

1. Events from AI students for AI students:

- spend some of your free time for planning activities
- organize pub crawls, game nights, ...
- connect with AI students from different semesters

2. Engage in organizational matters:

- give feedback regarding changes in the study regulations
- get involved in improving the AI master's
- give the AI students a voice on faculty level

Interested? Contact us!

fsi-ai@cs.fau.de

AI pub night, june 2022



What's next?

Join the Matrix (FAU-hosted encrypted chat)!

<https://to.chat.fau.de/#/room/!zrkOTraJRjMFZhBXUR:fau.de?via=fau.de>

or scan >>>

Discuss AI related stuff here, connect to other students & the FSI AI, get notified for FSI events.
Space managed by the FSI AI.

Matrix tutorial:

<https://www.anleitungen.rrze.fau.de/serverdienste/matrix-an-der-fau/erste-schritte/>



Nürnberg City tour + Pub hangout on Thursday, 17th October

- Starts 15:00 (3pm) in the Nürnberg city center
- Please indicate in the survey whether you will join
- More infos on the matrix chat will follow

<https://terminplaner6.dfn.de/en/e/17c85887da021adeda27f0f5c062345b-913159>



B.Sc. Artificial Intelligence

Online Tools

<https://www.intern.fau.de/lehre-und-studium/campusmanagement-an-der-fau-das-neue-campo-portal/informationmaterial-zu-hisinone-exa/>

The logo for IdM-Portal, featuring the text "IdM-Portal" in a white, sans-serif font against a dark, textured background.The logo for campo, with the word "campo" in a dark blue, lowercase, sans-serif font. The letters are stylized with horizontal lines in shades of blue and green passing through them.The logo for STUDON, featuring the word "STUDON" in a bold, blue, uppercase, sans-serif font. The letter "O" is a large, hollow circle. The text is centered between two horizontal blue lines.

IdM portal: www.idm.fau.de

Manage your personal data!

An IdM login is required for nearly all personalized online services at FAU...

- Activate your **IdM account** with the activation password mailed to you!
- Upload a photo to generate your student ID card –
it will be sent to your semester address!
- Problems: service counter/“Service-Theke“ RRZE (Computation Center): next to blue computer science tower (Martensstraße 1), 1st floor
- **All important information regarding your studies will be sent to your FAU e-mail address!**

Campo: Manage Your Exams!

Login: <https://www.campo.fau.de/>

- “Single Sign-On”
- Prüfungen (Exams)
 - Exam registration
(when active – registration)
 - Overview of registered exams
 - Withdrawal from exams: three working days before the exam date (Mon–Fri)
 - Overview of grades, acquired ECTS credits and Transcripts
- Certificate of enrollment / Immatrikulationsbescheinigung
- Compile your class schedule
- Register for courses

www.campo.fau.de Single Sign-On (SSO)



The screenshot shows the 'campo' website interface. At the top right, there is a login section with fields for 'Benutzerkennung' and 'Passwort', and an 'Anmelden' button. Below these fields is a link for 'SSO-Anmeldung' and a link for 'Zugangsdaten vergessen?'. The 'SSO-Anmeldung' link is circled in blue. Below the login section is a navigation bar with tabs for 'Startseite', 'Bewerber/-innen', 'hochschulstart.de', 'FAU-Studierende', and 'Scientia Gast-Studierende'. The 'Startseite' tab is selected. Below the navigation bar is a main content area with a heading 'Bewerbung & Beantragung der Einschreibung'. The text in this area explains the SSO login process and provides contact information for the Information and Advice Center (IBZ). The 'SSO-Anmeldung' link is also circled in blue in the main content area. An arrow points from the 'SSO-Anmeldung' link in the top navigation bar to the 'SSO-Anmeldung' link in the main content area.

Benutzerkennung Passwort Anmelden

SSO-Anmeldung Zugangsdaten vergessen?

Deutsch

Mein Portal

Startseite Bewerber/-innen hochschulstart.de FAU-Studierende Scientia Gast-Studierende

Bewerbung & Beantragung der Einschreibung

Hier sind Sie richtig, um

- sich für einen Studiengang zu bewerben und
- die Einschreibung an der FAU zu beantragen

Auch mit ausländischen Bildungsnachweisen bewerben Sie sich

Beachten Sie bitte die [Informationen zur Bewerbung ausländischer Bewerber/-innen](#).

- Start für zulassungsbeschränkte Studiengänge zum Wintersemester 2022/23: 16. Mai 2022.
- Start für grundständige zulassungsfreie Studiengänge zum Wintersemester 2022/23: 07. April 2022.

Studienbewerber/-innen, die noch nicht Studierende der FAU sind, melden sich mit ihrer Benutzerkennung und ihrem Passwort oben rechts auf der campo-Startseite an.

FAU-Studierende sowie Mitarbeiter/-innen verwenden ausschließlich die SSO-Anmeldung über den gleichnamigen Link rechts oben auf der campo-Startseite.

Bei der Benutzung von campo benötigen, werfen Sie einen Blick auf die [Bewerbung](#).

zur Bewerbung und zum Studium beantworten Ihnen die Mitarbeiter und Mitarbeiter des [Informations- und Beratungszentrums \(IBZ\)](#).

Häufig gestellte Fragen rund um die Studienbewerbung finden Sie unter [Bewerbung](#).

Technischen Fragen wenden Sie sich bitte per E-Mail an campo@fau.de.

Bei Fragen zu den Bereichen [Veranstaltungs- und Prüfungsverwaltung](#) steht Ihnen unsere Support-Hotline unter der Rufnummer -20306 zu folgenden Zeiten zur Verfügung:

- Montag, Dienstag und Donnerstag von 9.00 bis 12.00 Uhr
- Mittwoch von 13.00 bis 16.00 Uhr

Alternativ wenden Sie sich bitte per E-Mail an support-exa@fau.de.



Enter your FAU username and password

Username

Password

You forgot your password?

Please follow the link below to start the password recovery process.

[Continue with password recovery](#)

For security reasons, please log out and exit your web browser when you are done accessing services that require authentication!

Prüfungen (Exams) - Overview of registered exams

Hamburger menu

→ My Studies

→ Show my enrollments

The image displays three sequential screenshots of the campo portal interface, illustrating the navigation path:

- First Screenshot (Hamburger menu):** Shows the main portal with a hamburger menu icon on the left. The menu is open, displaying a grid of service tiles. The 'Student Service' tile (green) is highlighted, containing 'My status, documents, user information lett (PDF)' and 'Requests' (maroon).
- Second Screenshot (My Studies):** Shows the 'My Studies' page. The 'Home' menu item is selected, and a list of options is visible: 'My Studies', 'Studies offered', 'Organisation', and 'User information'. The 'My Studies' option is highlighted in yellow.
- Third Screenshot (Show my enrollments):** Shows the 'My Studies' page with a sub-menu open. The 'Show my enrollments' option is highlighted in yellow. Other visible options include 'Main menu', 'Study planner with module plan', 'Schedule', 'My achievements', 'Register for electives', 'Student Service', and 'Requests'.

Overview of registered exams and option to withdraw/de-register

Prüfung: 41201 Pattern analysis	Status	Actions
Dates and rooms 1. parallelgroup Pattern Analysis <ul style="list-style-type: none">Wednesday, Oct 5, 2022 from 4:00 PM to 5:00 PMExaminationform: Written examinationPrüfer/-in: PD Dr.Ing. Rieß, Christian	Your actual status: Admitted to examination Term of the examination: SoSe 2022	More details De-register
Prüfung: 33881 Seminar Inverse Rendering		
Prüfung: 33881 Seminar Inverse Rendering	Status	Actions
Dates and rooms 1. parallelgroup Seminar Inverse Rendering <ul style="list-style-type: none">, No time definedExaminationform: Seminar achievementPrüfer/-in: Prof. Dr. Weyrich, Tim	Your actual status: Admitted to examination Term of the examination: SoSe 2022	More details De-register

3 working days (Mon–Fri) before the exam date!!!

Overview of grades, acquired ECTS credits and Transcripts

Hamburger menu → My Studies → My Achievements

Degree	Number	Withdrawal	Grade	Status	ECTS credits	Free trial	Annotation	Attempt	Exception	Additional attribute	Actions
Master of Science Artificial Intelligence Hauptfach PO-Version 20211											
Master's examination	10000		8.4	PV	27.5	regular achievement		1	No		
Total	2000		8.4	PV	27.5	regular achievement		1	No		
Compulsory electives	1700		8.4	PV	27.5	regular achievement		1	No		
Symbolic Artificial Intelligence	1710		8.7	PV	7.5	regular achievement		1	No		
Subsymbolic AI/Machine Learning	1720		8.7	BE	15.0	regular achievement		1	No		
AI Systems and Applications	1730		8.3	PV	5.0	regular achievement		1	No		
Additional achievements	77777			PV		regular achievement		1	No		

Grades,
acquired ECTS credit

Transcripts

Bescheinigungen

- [Angemeldete Prüfungen \(PDF\)](#)
- [Leistungsbescheinigung nach §48 BAföG \(PDF\)](#)
- [Notenspiegel \(PDF\)](#)
- [Notenspiegel \(englisch\) \(PDF\)](#)
- [Notenspiegel nach Semestern gruppiert \(PDF\)](#)
- [Notenspiegel nach Semestern gruppiert \(englisch\) \(PDF\)](#)
- [Notenspiegel nur bestandene Leistungen \(PDF\)](#)
- [Notenspiegel nur bestandene Leistungen \(englisch\) \(PDF\)](#)
- [Notenspiegel nur bestandene Module \(PDF\)](#)
- [Notenspiegel nur bestandene Module \(englisch\) \(PDF\)](#)

[MPRINT](#) | [PRIVACY](#) | [USER MANUAL](#) | [ACCESSIBILITY STATEMENT](#) | [SITEMAP](#) | HISINONE IS A PRODUCT OF HIS EG | GENERATED BY NODE PROD25 IN CLUSTER PROD

Certificate of enrollment/Immatrikulationsbescheinigung

Hamburger menu → My Studies → Student Service

The screenshot displays the CAMPO Student Service interface. At the top, there is a navigation bar with the CAMPO logo, a search menu, and user information (English, 29 notifications). Below the navigation bar, the breadcrumb trail reads: You are here: Home > My Studies > Student Service. The main content area is titled 'Student Service' and features a dark blue banner indicating 'Reregistered for Wintersemester 2022/23'. Underneath, there is a section for 'Personal details: Your Name >'. The 'My degree programs' section is active, with the 'Documents' tab highlighted and circled in blue. To the left, the 'Requested Reports' section shows 'Common reports (0) You dont have any reports so far.' To the right, the 'Reports' section lists 'Study documents:' with a list of available documents: Certificate according to §9 BAföG (Bescheinigung nach §9 BAföG), Certificate of enrollment, Certificate of enrollment (Immatrikulationsbescheinigung), Certificate of periods of study (Studienverlaufsbescheinigung Englisch), Data verification sheet (Datenkontrollblatt), Paid semester fees all semesters (Gezahlte Semesterbeiträge insgesamt), Paid semester fees for a single semester (Gezahlte Semesterbeiträge für ein einzelnes Semester), Study progress certificate (Studienverlaufsbescheinigung), User information letter, and User information letter (Benutzerinfobrief). At the bottom left, there is a 'Disenrollment' button.

Compile your class schedule

Navigate to the AI Programs course catalogue

Hamburger menu → My Studies → Study planner with module plan

Hamburger menu

→ Studies offered

→ Show university course catalogue

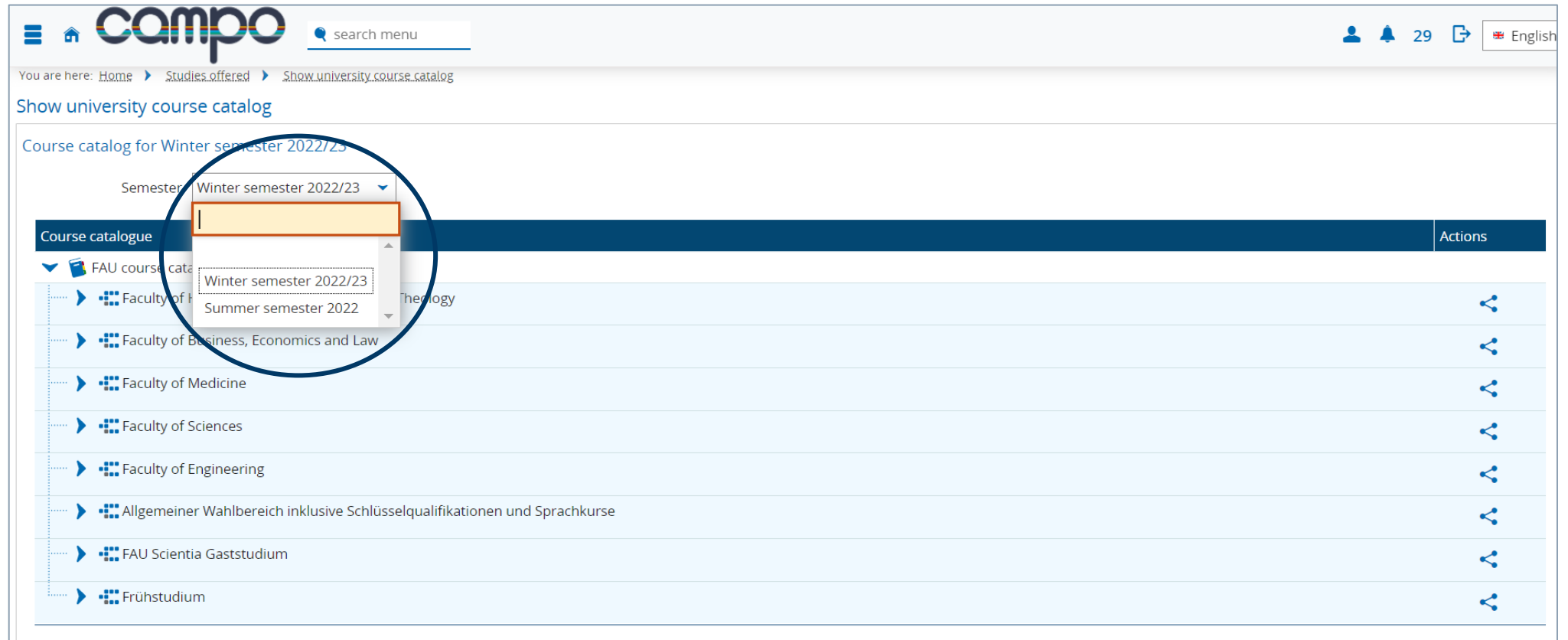
The screenshot displays the 'campo' web application interface in three stages of navigation:

- Initial State:** The hamburger menu is open, showing options: Home, My Studies, Studies offered, Organisation, and User information. 'Studies offered' is highlighted in yellow.
- Intermediate State:** The 'Main menu' is expanded from 'Studies offered', listing options: Search for courses, Show current courses, Show university course catalog (highlighted in yellow), Module descriptions, Show course of studies schedule, and Online application.
- Final State:** The 'Show university course catalog' option is selected, leading to a page with a search bar, a 'Main menu' breadcrumb, and a 'My messages' sidebar on the right containing three notification items.

Compile your class schedule

Select the semester

Navigate down to the Artificial Intelligence program



The screenshot shows the 'campos' web application interface. At the top, there is a navigation bar with the 'campos' logo, a search menu, and user information (English, 29 notifications). Below the navigation bar, the breadcrumb trail reads 'You are here: Home > Studies offered > Show university course catalog'. The main heading is 'Show university course catalog'. Underneath, it says 'Course catalog for Winter semester 2022/23'. A dropdown menu for 'Semester' is open, showing 'Winter semester 2022/23' and 'Summer semester 2022'. A blue circle highlights the 'Winter semester 2022/23' option. Below the semester selector is a table with columns 'Course catalogue' and 'Actions'. The table lists various faculties: Faculty of Health Sciences, Faculty of Business, Economics and Law, Faculty of Medicine, Faculty of Sciences, Faculty of Engineering, Allgemeiner Wahlbereich inklusive Schlüsselqualifikationen und Sprachkurse, FAU Scientia Gaststudium, and Frühstudium. Each row has a share icon in the 'Actions' column.

Compile your class schedule

Under the
Faculty of
Engineering
→
Artificial
Intelligence

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Course catalogue		Actions
▼	FAU course catalogue	
▶	Faculty of Humanities, Social Sciences and Theology	🔗
▶	Faculty of Business, Economics and Law	🔗
▶	Faculty of Medicine	🔗
▶	Faculty of Sciences	🔗
▼	Faculty of Engineering	🔗
▶	Advanced Materials and Processes	🔗 📄
▶	Advanced Optical Technologies	🔗 📄
▶	Advanced Signal Processing & Communications Engineering	🔗 📄
▶	Artificial Intelligence	🔗 📄
▼	Master of Science Artificial Intelligence Hauptfach PO-Version 2021	🔗 📄
▼	10000 - Master's examination	🔗 📄
▼	2000 - Total	🔗 📄
▶	1700 - Compulsory electives	🔗 📄
▶	1800 - Minor subject	🔗 📄
▶	1900 - Projekt I und II	🔗 📄
▶	1999 - Master's module	🔗 📄

Click on the course lecture/exercise

- 44130 - Pattern recognition
 - PR E - Pattern Recognition Exercises - Tutorial/exercise
 - PR - Pattern Recognition - Lecture**
 - 41301 - Pattern recognition - Teilleistung

Click on parallel groups / dates

Semester: Wintersemester 2022/23

Basic data **Parallel groups / dates** Course catalog Modules and degree programmes Documents

Pattern Recognition

Save to schedule Export data as iCalendar (.ics) Individual dates Open details

Semester hours per week: 3.0 zugelassen: 50
 Teaching Language: english
 Responsible: Paul Stöwer, Prof. Dr.-Ing. Andreas Maier

Frequency	Weekday	From - To	Cancellation date	Start date - End date	Exp. Att.	Comment	Lecturer(s)	Room
⚠ Weekly	Mon	2:15 PM - 3:45 PM	<ul style="list-style-type: none"> 12/26/2022 01/02/2023 	Oct 17, 2022 - Feb 6, 2023	150		Paul Stöwer	11301.00.005 (H4 Hörsaal.4)
⚠ Weekly	Tue	8:15 AM - 9:45 AM	<ul style="list-style-type: none"> 11/01/2022 12/27/2022 01/03/2023 	Oct 18, 2022 - Feb 7, 2023	150		Paul Stöwer	11301.00.005 (H4 Hörsaal.4)

Click on save to schedule

Hamburger menu → My Studies → Schedule

Select the view options to the planned semester and lecture period view

View options

Winter semester 2022/23 | lecture period view | Oct 17, 2022 - Feb 10, 2023

As PDF Document | Export data as iCalendar (.ics) | More display options

	Monday	Tuesday	Wednesday	Thursday	Friday
08 ⁰⁰		..Pattern Recognition Lecture, 1. PG 8:15 AM to 9:45 AM Weekly			
09 ⁰⁰					
10 ⁰⁰	..Computational Visual Perception Lecture, 1. PG 10:15 AM to 11:45 AM Weekly		..Virtual and Augmented Reality Sonstige Lehrveranstaltung, 1. PG 10:15 AM to 11:45 AM Weekly	..Exergame Lecture, 1. PG 10:15 AM to 11:45 AM Weekly	..Computational Visual Perception Lecture, 1. PG 10:15 AM to 11:45 AM Weekly
11 ⁰⁰				..Connective Autonomously Lecture, 1. PG 10:15 AM to 11:45 AM Weekly	
12 ⁰⁰				..Tutorials to Computational Visual Perception Projektseminar, 1. PG 12:15 PM to 1:45 PM	
13 ⁰⁰					
14 ⁰⁰	..Pattern Recognition Lecture, 1. PG 2:15 PM to 3:45 PM Weekly			..ConnMob:UE Exercise, 2. PG 2:00 PM to 4:00 PM Weekly Oct 20, 2022 to Feb 9, 2023 11223.04.159.04.159 Stud. Berber / Arbitrator	
15 ⁰⁰					
16 ⁰⁰		..Deutsch.B1.1: Allgemeinkurs (Zentrum) Exercise, 2. PG 4:15 PM to 5:45 PM Weekly		..Deutsch.B1.1: Allgemeinkurs (Zentrum) Exercise, 2. PG 4:15 PM to 5:45 PM Weekly	
17 ⁰⁰					
18 ⁰⁰					

Some timetable download / export options as .pdf or .ics

Register for courses

search menu

30

English

You are here: [Home](#) > [Studies offered](#) > [Show university course catalog](#)

[Detail view](#)

Pattern Recognition | Course

Back

Semester Wintersemester 2022/23

Basic data

Parallel groups / dates

Course catalog

Modules and degree programmes

Documents

Title	Pattern Recognition	Course type	Lecture
Short text	PR	Module frequency	Only in winter semester
Organizational unit	<ul style="list-style-type: none"> ■ TechFak Information and Communication Technology Master of Science (Verantwortlicher) ■ TechFak Medizintechnik Master of Science (Verantwortlicher) ■ Lehrstuhl für Informatik 14 (Bild- und Sprachverarbeitung) (Verantwortlicher) ■ TechFak Computational Engineering Bachelor of Science (Verantwortlicher) 	ECTS credits	3.75
		Semester hours per week	3.0
		Links	Parallelgruppe 1: Pattern Recognition

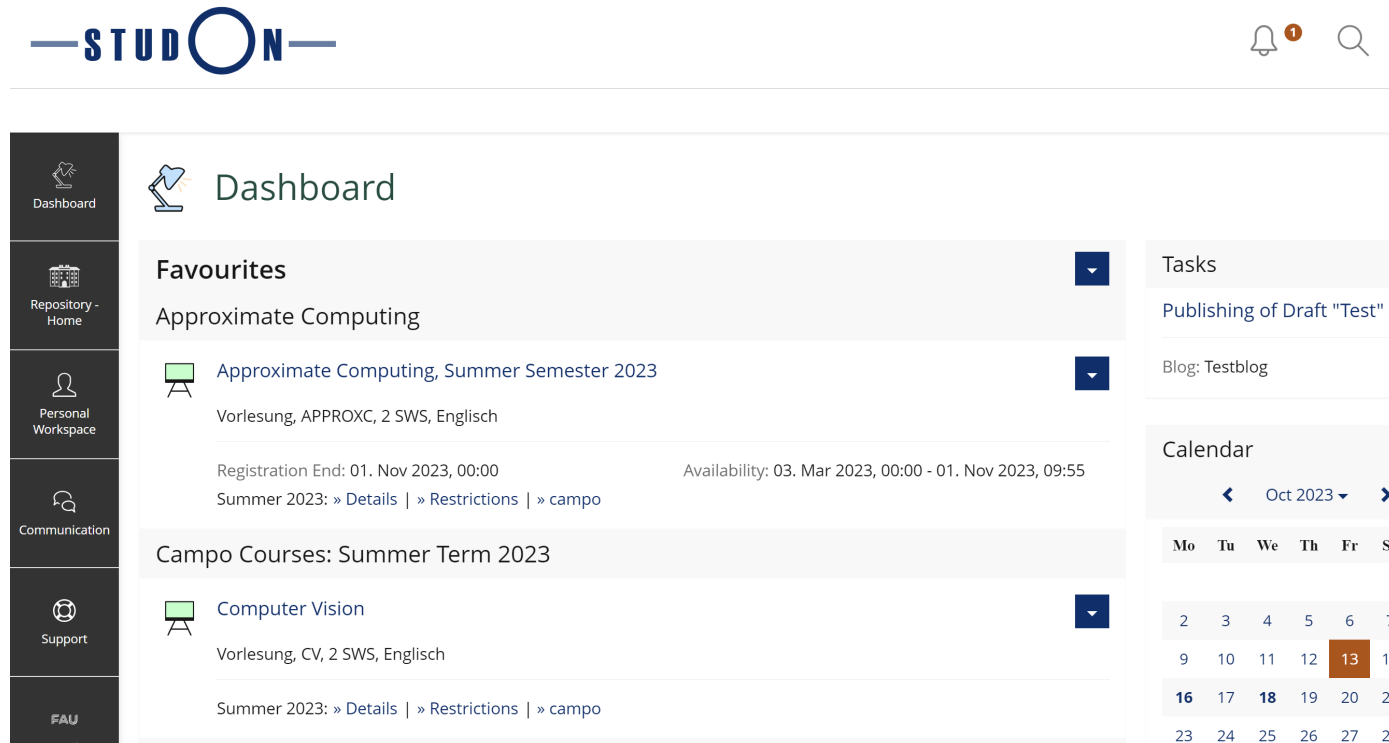
Link to the course on

—STUDON—

StudOn: Our E-learning platform

Login: <https://www.studon.fau.de>

- Often used for courses that require registration (seminars, practical courses)
- Platform for sharing course materials



The screenshot shows the StudOn dashboard with a navigation sidebar on the left and a main content area. The sidebar includes links for Dashboard, Repository - Home, Personal Workspace, Communication, Support, and FAU Portale. The main content area is titled 'Dashboard' and features a 'Favourites' section with two course entries: 'Approximate Computing, Summer Semester 2023' and 'Computer Vision'. The 'Approximate Computing' entry includes details like 'Vorlesung, APPROXC, 2 SWS, Englisch', registration end date (01. Nov 2023, 00:00), and availability (03. Mar 2023, 00:00 - 01. Nov 2023, 09:55). The 'Computer Vision' entry includes 'Vorlesung, CV, 2 SWS, Englisch' and 'Summer 2023: » Details | » Restrictions | » campo'. To the right, there are sections for 'Tasks' (Publishing of Draft "Test", Blog: Testblog) and a 'Calendar' for October 2023, showing the 13th as the current date.