

# M.Sc. Artificial Intelligence

Welcome, Master Students!

Prof. Dr. Michael Kohlhase

Dr. Felix Schmutterer



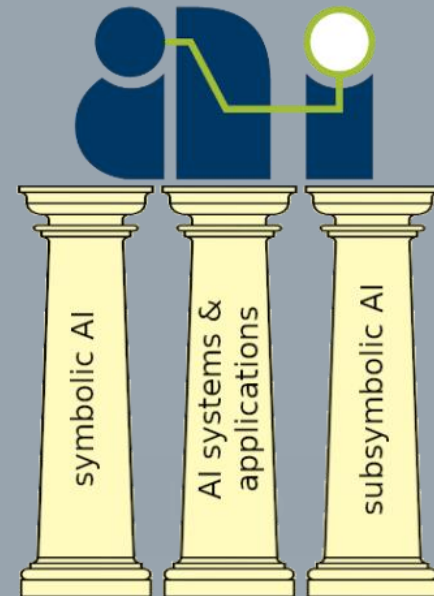
# M.Sc. Artificial Intelligence

## Agenda

- Welcome by Prof. Dr. Michael Kohlhase** (program director)
- Welcome by FSI Artificial Intelligence** (student association)
- Welcome by Dr. Felix Schmutterer** (program coordinator)
- Introduction to the study program**
- Introduction to FAU's CIP-Pools**
- Introduction to „Campo“**
- „Q&A“**



# M.Sc. Artificial Intelligence



# Persons in Charge/Contact Persons

- **Program Director**

Prof. Dr. Michael Kohlhase

(Professor for Knowledge Representation/Processing)

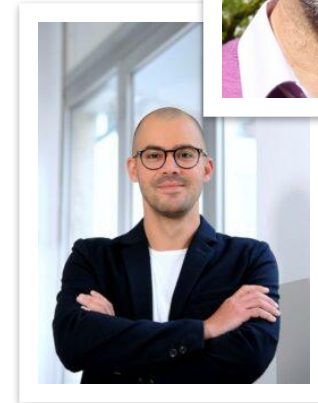


- **Program Coordinator**

Dr. Felix Schmutterer

- advice for your studies
- accreditation of coursework achievements
- support with formalities

[study-ai-master@fau.de](mailto:study-ai-master@fau.de)



# 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](mailto:fsi-ai@cs.fau.de)

AI pub night, june 2022





- **General Study Advisory** (Informations- und Beratungszentrum, IBZ)  
**Elisabeth Bächle-Grosso**, Halbmondstr. 6-8, 91054 Erlangen, Room: 1.031  
[elisabeth.baechle-grosso@fau.de](mailto:elisabeth.baechle-grosso@fau.de)
  - general study-related problems
  - information about changing your study program (advisor for all engineering programs)
  - student visa issues (certificate for foreigner's office)
- **Examinations Office Faculty of Engineering** (Prüfungsamt TechFak)  
**Heike Barthelmann**, Halbmondstr. 6, 91054 Erlangen  
[heike.barthelmann@fau.de](mailto:heike.barthelmann@fau.de)
  - managing exams, credits, grades online by „mein campus“ or by paper certificates, withdrawal from exams (due to illness etc.)
  - **Report on conditional subjects/“Auflagen“!**

- **International Office Faculty of Engineering**

**Christine Mohr**, Erwin-Rommel-Str. 60, 91058 Erlangen

[christine.mohr@fau.de](mailto:christine.mohr@fau.de)

- Information about studies/internship abroad
- General help and support for international students

- **Career Service**

[career-service@fau.de](mailto:career-service@fau.de) ; [www.career.fau.de](http://www.career.fau.de)

- Help with your job search (also student jobs)
- Support with applications
- Check of application documents
- Training for job interviews
- Useful workshops and seminars



## ● Office for Gender and Diversity

Bismarckstraße 6, 91054 Erlangen

[gender-und-diversity@fau.de](mailto:gender-und-diversity@fau.de)

- Advice for students with children
- Help for students with a migratory background
- Support for women (in cases of violence, harassment)
- Support for students experiencing discrimination of any kind (due to gender, ethnicity, religion, sexual orientation etc.)

- **Advice for students with disabilities or chronic diseases**

Dr. Tobias Schulz, Schloßplatz 3/Halbmondstr. 6, 91054 Erlangen  
[beeinträchtigt-studieren@fau.de](mailto:beeinträchtigt-studieren@fau.de)

General advice and support (e.g. accessibility of buildings)

→ Compensation of disabilities during examinations (e.g. more time)

- **Psychological support:**

Elizabeth Provan-Klotz and Dominik Özbe-Schönfeld

Psychologisch-Psychotherapeutische Beratungsstelle

Computer Science Tower, Martensstr. 3, 91058 Erlangen, Room: 04.154

**Open consultation (anonymous drop-in sessions)**

+49 9131 85-27935

E-Mail: [tf-psychologische-beratungsstelle@fau.de](mailto:tf-psychologische-beratungsstelle@fau.de)

# How to find information?

One weblink to rule them all ...

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

<https://www.fau.de>

**...including today's presentation!**

# How to find information?

## General information on the internet: search the web for “FAU“ + keyword

- e.g.
- FAU + language courses
  - FAU + examinations office
  - FAU + psychological services
  - FAU + semester dates...

# M.Sc. Artificial Intelligence

## Program Structure



# Program Structure

- **General structure of the master program in AI**
  - **Electives [50 ECTS]:** The electives are dedicated to academic research around artificial intelligence and its methodologies as well as offering every student the opportunity to sharpen their individual profile. The electives are centred around the three central pillars of the AI master's programme: **Symbolic AI; Subsymbolic AI; AI Systems and Applications**
    - Students will have to take a total of 50 ECTS credits worth of elective courses, with at least 10 ECTS from each of the central pillars.
  - **Projects [10+10 / 10+5+5 ECTS]:** The required projects are intended to test students' acquired technical knowledge, research merit and self-organisation skills.
    - Both projects have to be associated with one of the central pillars discussed above and cannot both be associated with the same pillar.

# Program Structure

- **General structure of the master program in AI**
  - **Seminar [5 ECTS]:** The seminar will allow students to connect with a topic complex of their choice and research and interact with academic information and present their findings to a relevant audience.
  - **Minor [15 ECTS]:** Students will choose 15 ECTS credits worth of courses that have a connection to artificial intelligence (but are not already included in the electives). The goal is to work on connecting the gained knowledge to a broad array of subjects. They may form the basis for applications in future employment.
  - **Master's Thesis [30 ECTS]:** The master's thesis can be registered at the registrar's office as soon as the student has successfully collected 60 ECTS credits. It has to be completed within six months after the registration. An oral presentation of the results of about 30 minutes as well as a consecutive discussion are obligatory.

# Program Structure

Module	ECTS	Workload			
		Semester 1	Semester 2	Semester 3	Semester 4
Elective Modules	50	20	20	10	
Project I	10		10		
Project II	10			10	
Main Seminar	5			5	
Minor	15	10		5	
Master's Thesis	30				30
	<b>120</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

The standard progression through the master programme for full-time participants with 30 ECTS per semester.

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



# Program Structure

## Electives

Designation	Pillar	Lecturer(s)	SWS	ECTS	WiSe	SoSe
Modellierung, Optimierung und Simulation von Energiesystemen	SA	Prof. Dr. Pruckner	2+2	5.0	x	
Multimedia Security	ML	Dr. Riess	2+2	5.0	x	
Middleware - Cloud Computing	SA	Dr. Distler, Michael Eischer, Laura Lawniczak	4	5.0	x	
Middleware - Cloud Computing (EÜ)	SA	Dr. Distler, Michael Eischer, Laura Lawniczak	4	7.5	x	
Deep Learning	ML	Prof. Dr. Andreas Maier	2+2	5.0	x	
Pattern Recognition	ML	Prof. Dr. Andreas Maier	3+1+2	5.0	x	
Interventional Medical Image Processing	ML	Julian Hoßbach, Prof. Dr. Maier, Tristian Gottschalk	4+4	10.0	x	
Medical Image Processing for Diagnostic Applications	ML	Julian Hoßbach, Prof. Dr. Maier, Tristian Gottschalk	4+4	10.0	x	
Biomedizinische Signalanalyse	ML	Dr. Felix Kluge, Prof. Eskofier	2+2	5.0	x	
Maschinelles Lernen für Zeitreihen Deluxe	ML	Prof. Eskofier, Prof. Oliver Amft, Dr. Ch. Mutschler	2+2+2	7.5	x	
Vernetzte Mobilität und autonomes Fahren	Sym	Dr. Anatoli Djanatliev	2+2	5.0	x	
Ontologien im Semantic Web	Sym	Prof. Dr. Schröder	4	7.5	x	
Künstliche Intelligenz I	Sym	Prof. Dr. Kohlhase	4+2	7.5	x	
Logik-Basierte Sprachverarbeitung	Sym	Prof. Dr. Kohlhase, PD Dr. Florian Rabe	4	5.0	x	
Informationsvisualisierung	SA	Dr. Roberto Grosso	2+2	5.0	x	
Eingebettete Systeme	SA	Prof. Dr. Teich	2+2	5.0	x	
Eingebettete Systeme mit erweiterten Übungen	SA	Prof. Dr. Teich		7.5	x	
Verifikation digitaler Systeme	Sym	Prof. Dr. Oliver Keszöcze	2+2	5.0	x	
Formale Methoden der Softwareentwicklung	Sym	PD Dr. Tadeusz Litak, Paul Wild	4	7.5	x	
Verteilte Systeme	SA	Dr. Jürgen Kleinöder	2+2	5.0		x
Verteilte Systeme erweiterte Übungen	SA	Dr. Jürgen Kleinöder, Dr. Tobias Distler	2+2	7.5		x
Computer Vision	ML	Ph Ronak Kosti, Dr. Vincent Christlein	2+2	5.0		x
Pattern Analysis	ML	Dr. Christian Riess	3+1	5.0		x
Human Computer Interaction	SA	Prof. Dr. Eskofier	3+1	5.0		x

For language information, please consult Univis  
or contact the lecturer of the course.

**Sym** = Symbolic AI  
**ML** = Subsymbolic AI / Machine Learning  
**SA** = AI Systems and Applications

Please note: An updated  
version of the catalogue will  
be published every semester!

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

Keep in mind – some  
courses might be offered in  
German and/or English!

## Types of Courses

- V/L: Vorlesung/lecture – generally no registration, attendance not mandatory
- Ü/E: Übung/Tutorium; exercise class/tutorial – usually start in the 2<sup>nd</sup> week, further details in the 1<sup>st</sup> lecture, attendance usually not mandatory
- P: Praktikum/Practical course (lab course) – attendance mandatory, early registration (see Campo)
- S: Seminar – attendance mandatory, early registration (see Campo)

## Types of exams/course achievement

- **Prüfungsleistung (PL)/Graded course achievement (gCA)**
  - schriftlich [written]
  - mündlich [oral]
  - Seminar (presentation and paper)
  
- **Studienleistung (SL)/Ungraded course achievement (uCA)**
  - e.g. exercise classes or practical courses
  - Hochschulpraktikum/academic laboratory
  - Forschungspraktikum/research laboratory

# M.Sc. Artificial Intelligence

## General Information



# What is “ECTS”?

- ***European Credit Transfer and Accumulation System***

Student workload required for the learning outcomes of a program

- 30 credits: **recommended** workload per semester
- 1 credit: ≈ 25-30 working hours (attendance-based learning + self study!)

- You will find information on ECTS in the module catalogs, in the online information system Campo, on your Master’s certificate/Transcript of Records



## Semesters & Exams

- Regular duration of studies: 4 semesters/two years  
(can be extended to 6 by re-registering + paying the fee)
- Semester: lecture period (14/15 weeks) + lecture-free period (≈12 weeks)
- Two exam periods: first 3 weeks and last 4 weeks  
of the lecture-free period (“holidays”)
- Failing an exam: **2<sup>nd</sup> + 3<sup>rd</sup> + 4<sup>th</sup> chance** in the **following** semesters (**no mandatory** registration) – **exception: conditional subjects/“Auflagen”** (max. 2 chances, i.e. 1 year!)
- You can/must only take exams if you **register** for them.
- **Withdrawal** from registered exams: until 3 working days (Mon – Fri) before the exam without a reason – or later in case of illness/severe reasons (medical/other certificate)

## Semesters & Exams

### Winter Semester 2024 (October 1, 2024 – March 31, 2025):

Lecture Period:	<b>October 14, 2024 – February 7, 2025</b>
Exam Registration:	<b>November 18, 2024 – December 8, 2024</b>
Re-Registration for SS 23:	<b>February (1<sup>st</sup> week), 2025</b>
Semester break (lecture-free):	<b>December 20, 2024 - January 6, 2025</b> <b>February 8, 2025 – April 22, 2025</b>
Exams:	<b>February &amp; April</b>

[www.fau.eu/study/current-students/semester-dates/](http://www.fau.eu/study/current-students/semester-dates/)

<https://www.fau.eu/education/study-organisation/re-registration/>

## Conditional Subjects/“Auflagen”

- Must be passed within **one year**

Otherwise, they will prevent successful re-registration for the 3<sup>rd</sup> semester. **No exceptions!**

- **After successful completion of conditional subjects:**  
**Actively inform** Mrs. Barthelmann (Examinations Office)!
- **Examination results of the 2<sup>nd</sup> semester might be published late.**  
If this is the case, contact your lecturer to get the results faster.

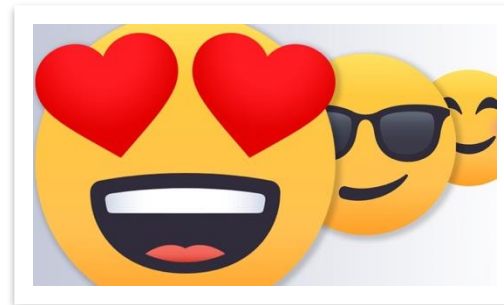


## Foreign Language Training

Sprachenzentrum (Language Center), Bismarckstraße 1; [www.sz.fau.de](http://www.sz.fau.de)

- Courses during the lecture period are **free of cost**.
- Intensive courses (with a fee) during the semester break
- **Registration** is required for all courses.
- Registration for **German courses**: online (+ in person; **open as of now**); **highly recommended for internships & future job!**
- Recommended languages to prepare for studying abroad:  
 e.g. English, Spanish, Portuguese

Many of you will want to stay in Germany ...



## Visa and late arrival

The programme allows student to arrive at the university until mid-May.

Please note that FAU is not an online university, some modules might be taught / streamed via zoom.

Please make sure not to miss the exams of your first semester.

As soon as it is clear that you will “miss” the first semester, please make sure to cancel your enrollment and defer your admission to the winter semester.

# M.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/>

**IdM-Portal**

**campo**

**— STUD ON —**



## IdM portal: [www.idm.fau.de](http://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), 1<sup>st</sup> 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](http://www.campo.fau.de) Single Sign-On (SSO)

The screenshot shows the 'campo' website interface. At the top right, there are input fields for 'Benutzerkennung' and 'Passwort', an 'Anmelden' button, and a language selector set to 'Deutsch'. Below this is a navigation bar with tabs for 'Startseite', 'Bewerber/-innen', 'hochschulstart.de', 'FAU-Studierende', and 'Scientia Gaststudierende'. The main content area is titled 'Bewerbung & Beantragung der Einschreibung' and contains several paragraphs of text and a list of bullet points. Two blue circles are drawn over the image: one around the 'SSO-Anmeldung' link in the top navigation bar, and another around the 'SSO-Anmeldung' link in the main content area.

**Mein Portal**

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

**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.

Benutzerkennung Passwort Anmelden

SSO-Anmeldung Zugangsdaten vergessen? Deutsch

Benutzerkennung Kontakt

SSO-Anmeldung

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](mailto: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 to view registered exams.

- Left Screenshot:** Shows the 'My portal' section with a grid of service tiles. The 'Student Service' tile (green) is highlighted, containing links for 'Online application', 'My status, documents, user information letter (PDF)', and 'Requests'.
- Middle Screenshot:** Shows the 'Main menu' with 'My Studies' highlighted in yellow. Below it, a list of options includes 'Studies offered', 'Organisation', and 'User information', each with a right-pointing arrow.
- Right Screenshot:** Shows the 'My Studies' sub-menu with 'Show my enrollments' highlighted in yellow. Other visible options include '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		
Dates and rooms	Status	Actions
1. parallelgroup Pattern Analysis <ul style="list-style-type: none"> <li>Wednesday, Oct 5, 2022 from 4:00 PM to 5:00 PM</li> <li>Examinationform: Written examination</li> <li>Prüfer/-in: PD Dr.Ing. Rieß, Christian</li> </ul>	Your actual status: <b>Admitted to examination</b> Term of the examination: SoSe 2022	<a href="#">More details</a> <a href="#">De-register</a>
Prüfung: 33881 Seminar Inverse Rendering		
Dates and rooms	Status	Actions
1. parallelgroup Seminar Inverse Rendering <ul style="list-style-type: none"> <li>No time defined</li> <li>Examinationform: Seminar achievement</li> <li>Prüfer/-in: Prof. Dr. Weyrich, Tim</li> </ul>	Your actual status: <b>Admitted to examination</b> Term of the examination: SoSe 2022	<a href="#">More details</a> <a href="#">De-register</a>

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

# Overview of grades, acquired ECTS credits and Transcripts

Hamburger menu → My Studies → My Achievements

compo search menu

Achievement Data

Expand all Collapse all Customize

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)

HISinOne

MPRINT PRIVACY USER MANUAL ACCESSIBILITY STATEMENT SITEMAP HISINONE IS A PRODUCT OF HIS EG

GENERATED BY NODE PRODU25 IN CLUSTER PROD

# Certificate of enrollment/Immatrikulationsbescheinigung

Hamburger menu → My Studies → Student Service

The screenshot shows 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). 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 includes a status bar: 'Reregistered for Wintersemester 2022/23'. Under 'Personal details: Your Name >', there is a 'My degree program' section with a 'Documents' button circled in blue. Below this, 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 document types, each with a document icon: 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 image displays two screenshots of the CAMPO web interface. The left screenshot shows the main navigation menu with the following items: Home, My Studies, Studies offered (highlighted), Organisation, and User information. The right screenshot shows the 'Studies offered' dropdown menu with the following items: Main menu, Studies offered (highlighted), Search for courses, Show current courses, Show university course catalog (highlighted), Module descriptions, Show course of studies schedule, and Online application. The right sidebar of the interface contains a 'My messages' section with three messages: 'A new status has occurred...', 'New grade: Interventional M...', and 'New grade: Human Comput... one more message'.

# Compile your class schedule

Select the semester

Navigate down to the Artificial Intelligence program

The screenshot shows the 'campo' interface for the 'Show university course catalog'. At the top, there is a search bar and a language selector set to 'English'. The breadcrumb trail indicates the user is in 'Home > Studies offered > Show university course catalog'. The main content area is titled 'Show university course catalog' and 'Course catalog for Winter semester 2022/23'. A dropdown menu for 'Semester' is open, showing 'Winter semester 2022/23' (selected) and 'Summer semester 2022'. Below this, a table lists various faculties and programs, including 'Faculty of Engineering' and 'Allgemeiner Wahlbereich inklusive Schlüsselqualifikationen und Sprachkurse'. A blue circle highlights the 'Semester' dropdown menu.

# Compile your class schedule

Under the  
Faculty of  
Engineering



Artificial  
Intelligence

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

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 20211		↔ ⌵
▼ 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"> <li>12/26/2022</li> <li>01/02/2023</li> </ul>	Oct 17, 2022 - Feb 6, 2023	150		Paul Stöwer	1.1301.00.005 (H4 Hörsaal.4)
⚠ Weekly	Tue	8:15 AM - 9:45 AM	<ul style="list-style-type: none"> <li>11/01/2022</li> <li>12/27/2022</li> <li>01/03/2023</li> </ul>	Oct 18, 2022 - Feb 7, 2023	150		Paul Stöwer	1.1301.00.005 (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

The screenshot shows the 'campo' interface. At the top, there is a search bar and navigation icons. Below the search bar, the 'View options' section is visible, containing a dropdown for 'Winter semester 2022/23' and another for 'lecture period view' with the date range 'Oct 17, 2022 - Feb 10, 2023'. To the right of these options are three buttons: 'As PDF Document', 'Export data as iCalendar (.ics)', and 'More display options'. The 'As PDF Document' and 'Export data as iCalendar (.ics)' buttons are circled in blue. Below the view options is a grid showing a weekly schedule from Monday to Friday, with time slots from 08:00 to 18:00. The grid contains various course entries with their respective times and frequencies.

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

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



# Register for courses

The screenshot shows the CAMPO website interface. At the top, there is a navigation bar with the CAMPO logo, a search menu, and user information (profile icon, notification bell, 30, share icon, and language set to English). Below the navigation bar, the breadcrumb trail reads: "You are here: Home > Studies offered > Show university course catalog".

The main content area is titled "Detail view" and "Pattern Recognition | Course". A "Back" button with a share icon is visible. The "Semester" dropdown is set to "Wintersemester 2022/23".

There are five tabs: "Basic data" (selected), "Parallel groups / dates", "Course catalog", "Modules and degree programmes", and "Documents".

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

The link "Parallelgruppe 1: Pattern Recognition" is circled in blue. To the right of the screenshot, there is a text overlay: "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 user dashboard. At the top, there is a navigation bar with the StudOn logo on the left, a notification bell icon with a red '1' badge, and a search icon on the right. Below the navigation bar is a vertical sidebar on the left with icons and labels for: Dashboard, Repository - Home, Personal Workspace, Communication, Support, and FAU. The main content area is divided into several sections:

- Dashboard:** A header section with a magnifying glass icon.
- Favourites:** A section containing a card for 'Approximate Computing'. The card includes a computer monitor icon, the course title 'Approximate Computing, Summer Semester 2023', and the lecture title 'Vorlesung, APPROXC, 2 SWS, Englisch'. Below the title, it shows 'Registration End: 01. Nov 2023, 00:00' and 'Availability: 03. Mar 2023, 00:00 - 01. Nov 2023, 09:55'. There are links for 'Summer 2023: » Details | » Restrictions | » campo'.
- Campo Courses: Summer Term 2023:** A section containing a card for 'Computer Vision'. The card includes a computer monitor icon, the course title 'Computer Vision', and the lecture title 'Vorlesung, CV, 2 SWS, Englisch'. Below the title, it shows 'Summer 2023: » Details | » Restrictions | » campo'.
- Tasks:** A section containing a card for 'Publishing of Draft "Test"'. Below it is a link for 'Blog: Testblog'.
- Calendar:** A section showing a calendar for October 2023. The calendar grid has columns for Mo, Tu, We, Th, Fr, Sa. The date 13 is highlighted in orange, indicating the current date.

# M.Sc. Artificial Intelligence

What's next?



**What's next?**

**Are you already a member of our Whatsapp-Group?**

**We will spread the link via eMail...**

## What's next?

### 1. Compile your class schedule

→ Campo

Introduction:

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

### 2. Register for courses – only if needed (information in Campo):

usually via StudOn (see registration link on the respective lecture page in Campo)

If registration is not required, simply go the first meeting.

### 3. Register for exams → Campo (t.b.a.)

## What's next?

### 4. Re-register for SS 2025

→ bank transfer – details via **e-mail (t.b.a.)**

5. **Study & pass exams** → study groups, time management, practice with old exams from

### 6. **Actively** report on your conditional subjects

→ Examinations Office (Mrs. Barthelmann)

7. Get your 29 Euro ticket: [https://meinabo.vag.de/abo/new.aspx?produkt=16230706\\_1](https://meinabo.vag.de/abo/new.aspx?produkt=16230706_1)

# M.Sc. Artificial Intelligence

Q&A

**It's time for your questions!**

