



Philosophy & Computer Science

SAMPLE SCHEDULE

Winter Semester 2026/27

1st Semester

Welcome to Bayreuth!

As studying in Germany is new for many of you, we believe it's worth pointing out that there is **no one fixed schedule** everyone needs to follow! You have choice and are responsible for completing all modules during your course of study. To help you plan your first semester, we've put together a short overview tailored to your track.

Enclosed you will find:

- 1) A list of (most) **courses** you can take
- 2) Sample schedules for the **Philosopher's** and **Computer Science's Track**

Students in the *Mixed* or *Development Track* are asked to individually compile a schedule depending on their needs. If you need help with this, you are welcome to contact the student body!

Generally, bear in mind that all information here is preliminary and final details can be found on cmlife.

Philosopher's Track — 1st Semester (Winter 2026/27)

Ideally, in the first semester we recommend you complete the following modules:

- **Data Modelling & Analysis**
- **Minds and Machines**
- **Mathematical Thinking** (in total you need 2 courses; we recommend at least one this semester)
- **Computational Thinking**
- **Theoretical Computer Science**
- **Machine Ethics**

You can also take advanced or specialisation classes if you fulfil the required prerequisites.

List of Courses

Module	Course(s)	Instructor	CMLife Code	Time
Data Modelling & Analysis	Data Modeling and Knowledge Generation	Prof. Dr. Mirco Schönfeld	00015	Lecture: Monday 16:00–18:00; Exercise: Friday 14:00–16:00 (fortnightly)
Minds and Machines	Minds and Machines	Prof. Dr. Lena Kastner	50300	Thursday 14:00–16:00
Mathematical Thinking *	Logic & Argumentation Theory (recommended for Phil. Track or if you have never done Logic before)	Prof. Dr. Olivier Roy	50113	Lecture: Monday 12:00–14:00; Exercise: Wednesday 12:00–14:00
	Data Analysis in R (recommended if you know both mathematics & logic basics)	Dr. Kenneth Stiller	TBA	Block course (dates TBA – check CMLife)
	Machine Learning for Beginners: Theory & Application	Rodrigo Queiroz de Albuquerque	60032	Thursday 8:00 – 10:00
	Reinforcement Learning for Scientists and Engineers	Prof. Aldo Faisal	77390	Thursdays, 14:00–16:00
	Mathematical Foundations 1	Moritz Zehnder	10819	Lecture: Thursday 12:00–14:00; Tutorial: Wednesday 10:00–12:00
Computational Thinking	Python and Data Tools for Non-Programmers	Prof. Rodrigo Queiroz de Albuquerque	60009	Monday 08:00–10:00 and Friday 08:00–10:00

Theoretical Computer Science	Bits, Bytes and Beyond	Prof. Dr. Mirco Schönfeld	00156	Lecture: Friday 12:00–14:00; Exercise: Friday 14:00–16:00 (fortnightly)
Advanced Philosophy**	Robot Rights	Dr. Timo Speith	51202	Tuesday 08:00–10:00
	Contemporary Moral Controversies	Prof. Dr. Annette Zimmermann	50116	Monday 12:00–14:00
	Decision Theory	Prof. Dr. Olivier Roy / Prof. Dr. Stefan Napel	50135	Lecture: Monday 16:00–18:00; Exercise: Wednesday 14:00–16:00
	Ethical and Legal Issues in IT Security Research	Prof. Dr. Lena Kastner & Prof. Dr. Sebastian Roth	50049	Block course: 29.10.2026 (pre-session), 04.11.26 (Q&A, 15:00–17:00), 13.11.26 and 21.11.26
Machine Ethics	Machine Ethics	Dr. Timo Speith	50304	Thursday 16:00–18:00

* pick one, you can also do this module in other semesters

** only take Advanced Philosophy in your first semester if your schedule is not already full!

Sample Schedule — Philosopher's Track

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00 – 10:00	Python and Data Tools for Non-Programmers <i>(Computational Thinking)</i>	Robot Rights <i>(Adv. Phil. Seminar)</i>			Python and Data Tools for Non-Programmers <i>(Computational Thinking)</i>
10:00 – 12:00	Mathematical Foundations 1 (Tutorial)				
12:00 – 14:00	Logic & Arg. Theory (Lecture) <i>(Math. Thinking)</i>		Logic & Arg. Theory (Exercise) <i>(Math. Thinking)</i>	Mathematical Foundations 1 (Lecture) <i>(Math. Thinking)</i>	Bits, Bytes and Beyond (Lecture)
14:00 – 16:00				Minds and Machines	Exercise: Data Modelling and Knowledge Generation <i>(fortnightly)</i> Exercise: Bits, Bytes and Beyond <i>(fortnightly)</i>
16:00 – 18:00	Data Modelling and Knowledge Generation (Lecture)			Machine Ethics	

*All times are stated "cum tempore" (c.t.): courses start 15 min later and end 15 min earlier than shown (e.g. 10:00–12:00 = 10:15–11:45).

Computer Scientist's Track — 1st Semester (Winter 2026/27)

Ideally, in the first semester we recommend you complete the following modules:

- **Data Modelling & Analysis**
- **Minds and Machines**
- **Mathematical Thinking** (in total you need 2 courses; we recommend at least one this semester)
- **Analytical Thinking**
- **Practical Philosophy**
- **Theoretical Philosophy**
- **Machine Ethics**

You can also take advanced or specialisation classes if you have the required prerequisites.

List of Courses

Module	Course(s)	Instructor	CMLife Code	Time
Data Modelling & Analysis	Data Modelling and Knowledge Generation	Prof. Dr. Mirco Schönfeld	00015	Lecture: Monday 16:00–18:00; Exercise: Friday 14:00–16:00 (fortnightly)
Minds and Machines	Minds and Machines	Prof. Dr. Lena Kastner	50300	Thursday 14:00–16:00
Mathematical Thinking	Logic & Argumentation Theory (recommended for CS Track or if you have never done Logic before)	Prof. Dr. Olivier Roy	50113	Lecture: Monday 12:00–14:00; Exercise: Wednesday 12:00–14:00
	Data Analysis in R (recommended if you know both mathematics & logic basics)	Dr. Kenneth Stiller	TBA	Block course (dates TBA – check CMLife)
	Reinforcement Learning for Scientists and Engineers	Prof. Aldo Faisal	77390	Thursdays, 14:00–16:00
	Machine Learning for Beginners: Theory & Application	Rodrigo Queiroz de Albuquerque	60032	Thursday 8:00 – 10:00
	Mathematical Foundations 1	Moritz Zehnder	10819	Lecture: Thursday 12:00–14:00; Tutorial: Wednesday 10:00–12:00

Analytical Thinking	An Introduction to Philosophical Analysis (recommended for most students)	Prof. Dr. Patricia Rich	50026	Tuesday 10:00–12:00
	Famous Philosophical Puzzles and Paradoxes	Prof. Dr. S. Thoma	50041	Thursday 12:00–14:00
Theoretical Philosophy *	Philosophy of Science	Dr. Uwe Czaniera	50167	Wednesday 12:00–14:00
Practical Philosophy	Ethics	Prof. Dr. S. Thoma	50100	Tuesday 12:00–14:00
Machine Ethics	Machine Ethics	Dr. Timo Speith	50304	Thursday 16:00–18:00

* only take if your schedule has room this semester; the alternative will be epistemology next term (you need to take either to complete the module)

Sample Schedule — Computer Scientist's Track

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00 – 10:00					
10:00 – 12:00		Intro to Phil. Analysis (Analytical Thinking)			
12:00 – 14:00	Logic & Arg. Theory (Lecture) (Math. Thinking)	Ethics (Lecture) (Practical Philosophy)	Logic & Arg. Theory (Exercise) (Math. Thinking) OR	Famous Philosophical Puzzles and Paradoxes (Analytical Thinking)	
			Philosophy of Science (Lecture) (Theoretical Philosophy)		
14:00 – 16:00				Minds and Machines	Exercise: Data Modelling and Knowledge Generation (fortnightly)
16:00 – 18:00	Data Modelling and Knowledge Generation (Lecture)			Machine Ethics	

*All times are stated "cum tempore" (c.t.): courses start 15 min later and end 15 min earlier than shown (e.g. 10:00–12:00 = 10:15–11:45).

Further Courses

The following courses may also be relevant depending on your background and interests. Courses marked "Specialisation" or "Advanced" require prerequisites – check with the lecturer if in doubt.

**If you find other courses that might fit into these modules, please contact the P&CS team.*

Module	Course(s)	Instructor	CMLife Code	Time
Theoretical Philosophy	Philosophy of Science	Dr. Uwe Czaniera	50167	Wednesday 12:00–14:00
Advanced Philosophy Seminar	Decision Theory	Prof. Dr. Olivier Roy / Prof. Dr. Stefan Napel	50135	Lecture: Monday 16:00–18:00; Exercise: Wednesday 14:00–16:00
Advanced Computer Science	Foundations of Data Management	Prof. Dr. Wim Martens	12317	Thursday 10:00–12:00
	Process Mining I	Prof. Dr. Agnes Koschmider	30018	Lecture: Thursday 12:00–14:00; Exercise: Thursday 14:00–15:30
	User-Centered Design	Prof. Dr. Daniel Buschek	12006	Tuesday 14:00–16:00
Independent Study	Philosophy, Computer Science & AI: Contemporary Issues (Research Seminar)	Prof. Dr. Lena Kastner	50053	Tuesday 14:00–16:00
	Philosophy Research Forum		50169	Tuesday 16:00–18:00
Specialisation	Philosophy of Social Science	Prof. Dr. Patricia Rich	50117	Lecture: Wednesday 10:00–12:00; Seminar: Wednesday 14:00–16:00
	Applied AI	Prof. Dr. Niklas Kühl	30024	Tuesday, 14:30–18:00
	Superforecasting	Prof. Dr. Patricia Rich / Prof. Dr. Larch	50124	Monday 16:00–18:00
	Ethical and Legal Issues in IT Security Research	Prof. Dr. Lena Kastner & Prof. Dr. Sebastian Roth	50049	Block course: 29.10.2026 (pre-session), 04.11.26 (Q&A, 15:00–17:00), 13.11.26 and 21.11.26

	Excessive Wealth	Prof. Dr. Annette Zimmermann	50121	Block course (dates TBA – check CMLife)
	Feminist Philosophical Perspectives on Technology	Prof. Dr. Annette Zimmermann	50114	Block course (dates TBA – check CMLife)
	Seminar Technology & AI – Innovation, Regulation & Policy	Aldo Faisal, Lena Nieper	76390	Wednesday 10:00– 12:00
	Data Analysis & Visualization	Agnes Koschmider, Dominik Janssen	30027	Block course: 05.11., 06.11., 03.12., 04.12. and 17.12.2026
	Seminar Social Network Analysis	Prof. Dr. Mirco Schönfeld	00039	Thursday 8:30– 12:00 (Every two weeks)

