

Reasoning

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Heartily welcome!

to: Agata, Amelia, Anna, Bożena, Dmytro, Jagoda, Joanna, Julia, Justyna, Kacper, Konrad, Maciej, Małgorzata, Monika, Oskar, Paulina, Piotr (both), Przemysław, Wojciech, Zuzanna ☺

The course is aimed at deepening participants' insights into contemporary theory and practice of reasoning and inference. On the theoretical side, we shall discuss the very notions of reasoning and inference from the point of view of cognitive science, considering the impact of the new influential psychologistic paradigm in logical research. On the practical side, we shall examine certain important developments in analysis of reasoning and inference processes and their applications, concerning moral reasoning and decision making, abductive reasoning, the concept of rationality, as well as some methodological issues of empirical research on human reasoning.

Everything: mu.edu.pl \Rightarrow Teaching \Rightarrow Reasoning

Reasoning – teachers and topics

Mariusz Urbański (mental logic perspective, mostly):

- Reasoning: perspectives, definitions, typologies; reasoning as social phenomenon.
- Two system theories of reasoning: proponents and critics.
- Moral reasoning.
- Abduction.
- Rationality.

Frank Zenker (Bayesian probabilistic perspective):

- Standard methodological issues of empirical research on human reasoning
- Choice of normative standard; Meaning coordination between experimenter and subject; Verbatim protocols
- Assessing the formal model 1 (logical models)
- Assessing the formal model 2 (probabilistic models)
- Course Summary

- Lectures: 28.02–11.04.2019 and 13.–17.05.2019.
- Tutorials:
 - five in-class, 28.02–04.04.2019, with assigned readings;
 - individual appointments (via <https://mu-reasoning.youcanbook.me/>):
 - first round: 18.04.19; discussions of topics and abstracts of term papers;
 - second round: 25.04.19; checking on the progress;
 - third round (optional): anytime between 26.04.2019 & 16.05.2019; extinguishing the fires ('gosh, I'm lost');
 - fourth round: 23.–30.05.19; term papers vivas.

Reasoning – assessment

110 pts possible:

- Tutorials (80 pts):
 - 5 tasks (6 pts each), at the end of each in-class tutorial, concerning topics just covered;
 - term paper (50 pts); topic of your choice, but approved.
- Final exam (30 pts): open-book.

The scale:

Pts (tutorials)	Grade	Pts (total)	Grade
more than 65 – 80	5	more than 100 – 110	5
more than 55 – 65	4,5	more than 90 – 100	4,5
more than 50 – 55	4	more than 80 – 90	4
more than 45 – 50	3,5	more than 70 – 80	3,5
more than 35 – 45	3	more than 55 – 70	3
0 – 35	2	0 – 55	2

- Your individual work.
- ca. 7 pages of text (excluding references), and a separate title page.
- In Polish or, preferably, English.
- Topic of your choice, related to the course themes.
- Topic and abstract (ca. 250 words) need to be approved by 30.04.19; use the first round of individual appointments for discussion (this appointment is compulsory for a paper to count towards the final grade). At the second round (again, compulsory) you are expected to provide a detailed outline of the paper. The third one is optional.
- Deadline for submitting the paper is one week before the fourth appointment (23.–30.05.19), at which we shall discuss the paper itself. This one is compulsory for a paper to count towards the final grade.

- Standard \LaTeX article class.
- 11 pt font.
- Author-year citations (`apacite` will do; some examples are [here](#)).
- Title page: author's first and last name, e-mail address, student index number, title of the paper, abstract, 3 to 5 keywords.

- Form (10 pts):
 - Does the content of the paper correspond to the topic specified in the title? (2)
 - Is the content well-structured? (3)
 - Is the paper well-written? (3)
 - Are the references adequate? (2)
- Content (40 pts):
 - Is the thesis and argumentation clear? (15)
 - Are there any author's own arguments? Are they sufficiently justified? (15)
 - Is there any novel perspective involved? (10)

Reasoning – course calendar

- 28.02.2019 – 11.04.2019 MU classes, with readings assigned.
- 13.05.2019 – 17.05.2018 FZ classes.
 - 18.04.2019 Individual appointments, first round: discussions on topics and abstracts of term papers.
 - 25.04.2019 Individual appointments, second round: checking on the progress.
 - 30.04.2019 Final versions of abstracts due.
- 26.04.–16.05.2019 Individual appointments, third round (optional): extinguishing the fires.
- 16.05.–23.05.2019 Term papers due, depending on the date of second appointment.
- 23.05.–30.05.2019 Individual appointments, fourth round: term papers vivas.
- June 2019 Exams, sometime.