Essay plan presentations

Philosophical Perspectives on the Exact Sciences · 2026–27

Wednesdays from 16:15 · 30 minutes per group · essay plans are due 7 days before your presentation

Wednesday 25 November 2026 · Mind, time and mathematics

Supervisor: Cristian Lopez · Essay plan due: Wednesday 18 November

Time	Topic	Students
16:15–16:45	Could computer programs become conscious? (13.2)	Ada Beyazay, Ugne Birstonaite, Can Karaçelebi, Defne Kaymak, Nadezhda Varzonova
16:45–17:15	The direction of time (9.2)	Margad-Erdene Bayarsaikhan, Stefan Ehin, Mihailo Nesic, Nicole Pagano, Eliseo Rodríguez Docampo
17:15–17:45	Do mathematical objects exist? (12.1)	Armand Grossetete, Henri Von Wattenwyl

Wednesday 2 December 2026 · Mind and machines

Supervisor: Amine Rusi · Essay plan due: Wednesday 25 November

Time	Topic	Students
16:15–16:45	Will machines ever reach human intelligence? (13.1)	Shachar Aharoni, Marco Albertini, Louis Baurmann, Francesco Cassano, Marco Scarpa
16:45–17:15	Can the science of consciousness tell us whether an AI system is conscious? (13.2)	Andrea Aubry, Ryan Berney, Dylan Monteiro Mendes
17:15–17:45	The human mind: computational or rational? (13.3)	Lilia Cretegny, Tiffany Guo, Yinghan Shao, Yupeng Zhao
17:45–18:15	The human mind: computational or rational? (13.3)	Ceren Erdogan, Shirley Lin, Arda Özenç, Miray Tümer, Karl Uriot Sardón
18:15–18:45	The human mind: computational or rational? (13.3)	Damian Abril Gaona, Noah Gertschen, Dragos-Andrei Sîrghi

Wednesday 9 December 2026 · Mind, models and mathematics

Supervisor: Amine Rusi (Cristian Lopez for the 18:15 group) · Essay plan due: Wednesday 2 December

Time	Topic	Students
16:15–16:45	The human mind: computational or rational? (13.3)	Nathan Azimov, Davío Jónsson, Ruhao Tian, Noa Vigouroux
16:45–17:15	Does a real-world simulation discover the world, or construct its own representation of it?	William El Mouhtar, Noe Hsueh, Oleksandr Kharytonov, Yi Yang
17:15–17:45	The success of mathematics in the natural sciences (12.2)	Nahuel Gavela, Jonathan Michaud, Louis Mistral, Juan Prieto Alejandro, Yago Viada De Soto
17:45–18:15	Why do mathematics and physics describe the quantitative nature of reality so well?	Emanuele Albert, Gregorio Monforte, Stefano Negro, Simone Odetto, Antonio Polignano
18:15–18:45	AI and the human mind	Killian Didierjean, Ziyad El Arroussi, Guillaume Qin

Wednesday 16 December 2026 · Physics, free will and the limits of science

Supervisor: Amine Rusi (Cristian Lopez for the 18:15 group) · Essay plan due: Wednesday 9 December

Time	Topic	Students
16:15–16:45	Space-time in general relativity (9.3)	Antonio Azzariti Oratzariti, Mathilde Kakuschke, Emilio Manzotti, Zalán Novák, Yao-An Yang
16:45–17:15	The problem of probability in the Many-Worlds Interpretation of Quantum Mechanics (10.2)	Swapnil Bag, Yaswanth Edara, Vishnu Prasannan, Shreya Sridhar
17:15–17:45	The laws of nature	Mingyuan Jin, Henrik Morsund, Ken Zou
17:45–18:15	An existentialist interpretation of the epistemic boundaries of science	Grant Nations
18:15–18:45	Mind and free will	Francesco Di Fausto, Marco Renzi, Giulio Rossi, Filippo Tiberi Sorignani