

Anna Greenspan / Brad Weslake
agi58@nyu.edu / brad.weslake@nyu.edu

Pre-requisites: Students must have completed one full year of study.

Description	This course aims to train students to think philosophically about our rapidly changing—and ever more intimate—relationship with machines. We focus in particular on the following subjects: artificial intelligence, robots, cyborgs, automation and science fiction speculation.
Assessment	<ul style="list-style-type: none"> • Three 6-8 page research papers (60%) • One group research project (20%) • Attendance and participation (20%)

Schedule	
<i>Week 1: Descartes</i>	
24 January	<ul style="list-style-type: none"> • Riskin, Jessica. ‘Introduction’ and ‘Chapter 2’. In <i>The Restless Clock: A History of the Centuries-Long Argument over What Makes Living Things Tick</i>, Illustrated edition. University of Chicago Press, 2018. • <i>[Recommended]</i> Descartes, René. ‘Principles of Philosophy’ and ‘Description of the Human Body’ (Selections). In <i>The Philosophical Writings of Descartes: Volume 2</i>, translated by John Cottingham, Robert Stoothoff, and Dugald Murdoch, Reprint edition. Cambridge Cambridgeshire ; New York: Cambridge University Press, 1985.
<i>Week 2: Leibniz</i>	

<p>31 January</p>	<ul style="list-style-type: none"> • Riskin, Jessica. 'Chapter 3'. In <i>The Restless Clock: A History of the Centuries-Long Argument over What Makes Living Things Tick</i>, Illustrated edition. University of Chicago Press, 2018. • Leibniz, G. W. 'The Principles of Philosophy, or The Monadology, 1714.' In <i>Leibniz: Philosophical Essays</i>, translated by Roger Ariew and Daniel Garber, 1st edition. Indianapolis: Hackett Publishing Company, 1989. • [Recommended] Leibniz, G. W. 'A New System of the Nature and Communication of Substances, and of the Union of the Soul and the Body'. In <i>Leibniz: Philosophical Essays</i>, translated by Roger Ariew and Daniel Garber, 1st edition. Indianapolis: Hackett Publishing Company, 1989. • [Recommended] Grosz, Elizabeth. 'Chapter 2: Spinoza, Substance, and Attributes'. In <i>The Incorporeal: Ontology, Ethics, and the Limits of Materialism</i>, Reprint edition. Columbia University Press, 2018.
<p>Week 3: Kant</p>	
<p>7 February</p>	<ul style="list-style-type: none"> • Riskin, Jessica. 'Chapter 6'. In <i>The Restless Clock: A History of the Centuries-Long Argument over What Makes Living Things Tick</i>, Illustrated edition. University of Chicago Press, 2018. • Kant, Immanuel. <i>Critique of Judgement</i>. Edited by Nicholas Walker. Translated by James Creed Meredith. Revised edition. Oxford ; New York: Oxford University Press, 2009. (Selections) • [Recommended] Shelley, Mary. <i>Frankenstein: Or The Modern Prometheus</i>. Reprint edition. Oxford ; New York: Oxford University Press, 2008.
<p>Week 4: Darwin</p>	
<p>14 February</p>	<ul style="list-style-type: none"> • Riskin, Jessica. 'Chapter 7'. In <i>The Restless Clock: A History of the Centuries-Long Argument over What Makes Living Things Tick</i>, Illustrated edition. University of Chicago Press, 2018.
<p>Week 5: Magic I</p>	

28 February	<ul style="list-style-type: none"> • Josephson–Storm, Jason Ananda. ‘Introduction’. In <i>The Myth of Disenchantment: Magic, Modernity, and the Birth of the Human Sciences</i>, Illustrated edition. Chicago ; London: University of Chicago Press, 2017. [Library] • Stolow, Jeremy, ed. ‘Introduction’. In <i>Deus in Machina: Religion, Technology, and the Things in Between</i>, 1st edition. Fordham University Press, 2012. • [Recommended] Sconce, Jeffrey. <i>Haunted Media: Electronic Presence from Telegraphy to Television</i>. 2nd ed. edition. Durham, NC: Duke University Press Books, 2000.
<i>Week 6: Magic II</i>	
7 March	<ul style="list-style-type: none"> • Josephson–Storm, Jason Ananda. ‘Conclusion’. In <i>The Myth of Disenchantment: Magic, Modernity, and the Birth of the Human Sciences</i>, Illustrated edition. Chicago ; London: University of Chicago Press, 2017. [Library] • Ernst, Wolfgang. ‘Ticking Clock, Vibrating String: How Time Sense Oscillates Between Religion and Machine’. In <i>Deus in Machina: Religion, Technology, and the Things in Between</i>, edited by Jeremy Stolow, 1st edition. Fordham University Press, 2012. • [Recommended] Wiener, Norbert. <i>God and Golem, Inc.: A Comment on Certain Points Where Cybernetics Impinges on Religion</i>. 7th ed. edition. Cambridge: MIT Press, 1966.
<i>Week 7: Time I</i>	
14 March	<ul style="list-style-type: none"> • Galison, Peter. ‘Introduction’. In <i>Einstein’s Clocks and Poincare’s Maps: Empires of Time</i>, Illustrated edition. W. W. Norton & Company, 2004. • Carroll, Sean. ‘Chapter 4’. In <i>From Eternity to Here: The Quest for the Ultimate Theory of Time</i>. Dutton, 2009.
<i>Week 8: Time II</i>	
21 March	<ul style="list-style-type: none"> • Galison, Peter. ‘Chapter 3’. In <i>Einstein’s Clocks and Poincare’s Maps: Empires of Time</i>, Illustrated edition. W. W. Norton & Company, 2004. • Carey, James W. "Technology and ideology: The case of the telegraph." <i>Prospects</i> 8 (1983): 303-325. • [Recommended] Landes, David S. "Clocks & the wealth of nations." <i>Daedalus</i> 132, no. 2 (2003): 20-26.
<i>Week 9: Midterm</i>	

Week 10: Artificial Intelligence I: Foundations

11 April	<ul style="list-style-type: none">• Turing, Alan M. "Computing machinery and intelligence." <i>The Turing Test: Verbal Behavior as the Hallmark of Intelligence</i> (1950): 29-56. [PDF]• NYU Center for Mind, Brain and Consciousness. <i>Does AI Need More Innate Machinery?</i>" (Yann LeCun, Gary Marcus, 2017. https://www.youtube.com/watch?v=vdWPQ6iAkT4.• [Recommended] Block, Ned. "Psychologism and behaviorism." <i>The Philosophical Review</i> 90, no. 1 (1981): 5-43.
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Week 11: Bioengineering

18 April	<p>Virtual visiting professor: <u>S. Matthew Liao</u></p> <ul style="list-style-type: none">• Liao, S. Matthew, Anders Sandberg, and Rebecca Roache. "Human engineering and climate change." <i>Ethics, Policy & Environment</i> 15, no. 2 (2012): 206-221.• Liao, S. Matthew. "Selecting children: the ethics of reproductive genetic engineering." <i>Philosophy Compass</i> 3, no. 5 (2008): 973-991.
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Week 12: Artificial Intelligence II: Ethics

25 April	<ul style="list-style-type: none">• Railton, Peter. "Moral learning: Conceptual foundations and normative relevance." <i>Cognition</i> 167 (2017): 172-190.• Mou, Zongsan. 'Confucian Moral Metaphysics'. In <i>Late Works of Mou Zongsan: Selected Essays on Chinese Philosophy</i>, edited by Jason Clower. Brill, 2014. https://brill.com/view/title/24793.
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Week 13: Reality and Virtual Reality

5 May	<p>Virtual visiting professor: <u>David Chalmers</u>.</p> <ul style="list-style-type: none">• Chalmers, David J. "The Virtual and the Real." <i>Disputatio: International Journal of Philosophy</i> 9, no. 46 (2017).•• Rosen, G., A. Byrne, J. Cohen, E. Harman, and S. V. Shiffrin. "Vasubandhu: Twenty Verses with Auto-Commentary." WW Norton & Company, 2018. (Selections)•• [Recommended] Siderits, Mark. <i>Buddhism As Philosophy</i>. Second edition. Indianapolis: Hackett Publishing Company, Inc., 2021. (Selections)
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Week 14: Recap