

Introdução à Filosofia das Ciências Cognitivas, PPGFIL/UFRGS

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Súmula: Nesta disciplina, serão discutidas questões centrais para a filosofia das ciências cognitivas, tais como a natureza da representação e da cognição, bem como suas relações com a computação e a ação, e questões relativas às diferenças entre abordagens representacionais e não-representacionais da cognição. Será dado enfoque especial à ciência da percepção na abordagem dessas questões.

Conteúdo programático:

1. Marr e Pylyshyn, a abordagem computacional e representacional da percepção
2. Gibson, a abordagem ecológica da percepção
3. Noë, a abordagem enativista da percepção
4. Madary, a percepção como um processo contínuo de antecipação e satisfação
5. Representação e Computação
6. Modularidade
7. Cognição Corporificada
8. Cognição Estendida
9. Enativismo
10. Cognição Social e Percepção

Método de trabalho:

Discussões e seminários baseados em leituras previamente indicadas, participação via Moodle e confecção de ensaio final tratando de tema relacionado ao curso.

Método de Avaliação:

As seguintes atividades de avaliação comporão a nota final no curso:

1. Postagens semanais curtas (um parágrafo), de natureza informal e exploratória, reagindo criticamente às leituras e/ou a postagens anteriores de colegas. O objetivo principal desta atividade será indicar pontos e questões de interesse para exploração em aula, por isso não será avaliado o conteúdo das postagens, mas simplesmente a execução dentro do prazo (peso 2,0).

2. Participação em aula, incluindo ao menos uma breve exposição introdutória (15 minutos) de um tópico de interesse para iniciar um debate (peso 2,0). (Cada ausência não justificada será penalizada com desconto de 0.5 pontos.)

3. Ensaio final de no máximo 8.000 palavras, tratando de um tópico relacionado ao conteúdo do curso a ser previamente acordado (peso 6,0)

Encontros:

1 Introdução à Filosofia das Ciências Cognitivas

- “Clark, A. Meat Machines: Mindware as Software”. 2014. In: *Mindware: an Introduction to the philosophy of cognitive science*. Oxford University Press, pp. 7-29.
- Varela, F. & Thompson, E & Rosch, E. 2016. “A Fundamental Circularity: In the Mind of the Reflective Scientist”. In: *The Embodied Mind*. The MIT Press, pp. 1-14.
- SEP, Verbete Cognitive Science.

2 Marr e Pylyshyn, a abordagem computacional e representacional da percepção

- Marr, D. 2010. “The Philosophy and the Approach (Chapter 1)”. In: *Vision*. The MIT Press, pp. 8-40.
- Pylyshyn, Z. “The Puzzle of Seeing”. In: *Seeing and Visualizing: It's Not What You Think*. The MIT Press, pp. 1-48.

3 Visão e modularidade

- Pylyshyn, Z. “The Independence of Vision and Cognition” (Chapter 2). In: *Seeing and Visualizing: It's Not What You Think*. The MIT Press, pp. 1-48.
- Deroy, Ophelia. “Modularity of Perception” In: *The Oxford Handbook of Philosophy of Perception*.

Complementar:

- Fodor, Jerry. “Input Systems as Modules” (Chapter 3). In: *The Modularity of Mind*. The MIT Press, 1983.
- Jacobson, Anne. “Empathy, Primitive Reactions and the Modularity of Emotion”, *Canadian Journal of Philosophy*, V. 32, p. 93-113, 2006.

4 Trabalho

5 Noë, a abordagem enativista da percepção

- Noë, A. 2004. “The Enactive Approach to Perception: An Introduction” (Chapter 1). In: *Action in Perception*. The MIT Press, pp. 1-34.
- Noë, A. 2004. “Enacting Content” (Chapter 3). In: *Action in Perception*. The MIT Press, pp. 75-122.

Complementar:

- Mace, W. James J. 1977. "Gibson's Strategy for Perceiving: Ask not What is inside your head, but what your head is inside of". In: Shaw, R (ed.). *Perceiving, Acting and Knowing: Toward an Ecological Psychology*, pp. 43-65.
- Gibson, J. 2015. "The Theory of Affordances (Chapter 8)". In: *The Ecological Approach to Visual Perception: Classic Edition*. Taylor and Francis Group, pp. 119-138.

6 Madary, a percepção como um processo contínuo de antecipação e satisfação

- Madary, M. 2017. "Anticipation and Fulfillment" (Chapter 3). In: *Visual Phenomenology*. The MIT Press, pp. 41-58.
- Madary, M. 2017. "The Question of Content" (Chapter 4). In: *Visual Phenomenology*. The MIT Press, pp. 59-87.

Complementar:

- Madary, M. Chapters 1 and 2. *Visual Phenomenology*. The MIT Press.

7 Cognição Corporificada

- Sheets-Johnstone, Maxine. 2011. "The Corporeal Turn". *Journal of Consciousness Studies*, 18(7-8), pp. 145-168.
- Gallagher, Shaun. 2014. "Phenomenology and embodied cognition". In: Shapiro, L. (ed.). *The Routledge Handbook of Embodied Cognition*. Routledge, pp. 9-19.
- Gallagher, Shaun. "Bodily self-awareness and object perception".

Leitura Complementar:

- Chemero, A. 2009. "Embodied Cognition and Radical Embodied Cognition". In: *Radical Embodied Cognitive Science*. The MIT Press, pp. 17-44.

8. Trabalho

9 Cognição Estendida

- Clark, A & Chalmers. 1998. "The Extended Mind". *Analysis*, 58(1), pp. 7-19.
- Adam, Fred & Aizawa, Ken. 2001. "The Bounds of Cognition". *Philosophical Psychology*, 14(1), pp. 43-64.
- Farkas, Katalin. 2012. "Two Versions of the Extended Mind Thesis". *Philosophia*, 40(3), pp. 435-447.

10 Enativismo

- Hutto, D. 2017. "REC: Revolution Effect by Clarification". *Topoi* 36(3), pp. 457-472.
- Ward, David & Silverman, D. & Villalobos, M. 2017. "Introduction: The Varieties of Enactivism". *Topoi* 36(3), pp. 365-375.
- Menary, Richard. "What is Radical Enactivism?" In: *Radical Enactivism*. John Benjamins Publishing Company, 2006.

Leitura Complementar:

- Gallagher, Shaun. Chapters 4 and 8. In: *Enactive Interventions: Rethinking the Mind*. Oxford University Press, 2017.

11 Cognição Social

- De Jaegher, Hanna & Di Paolo, Ezequiel. 2007. "Participatory sense-making: An enactive approach to social cognition". *Phenomenology and the Cognitive Sciences* 6(4), pp. 485–507.
- Gallagher, S. & Varga, S. 2014. "Social Constraints on the Direct Perception of Emotions and Intentions". *Topoi* 33(1), pp. 185-199.

Leitura Complementar:

- Rucińska, Zuzanna. "The Role of Affordances in Pretend Play": In: Fuchs, Thomas (ed.). *Embodiment, Enaction, and Culture: Investigating the Constitution of the Shared World*. The MIT Press, 2017, p. 257-278.
- Costall, Alan. "Socializing Affordances". *Theory & Psychology*. 5(4), 1995, p. 467-481.
- Carvalho, Eros. "[Socially extending the mind through social affordances](#)". Forthcoming in "Philosophy of Mind: an Overview" (ed. Steven S. Gouveia & Manuel Curado).

12 Representação

- Kiverstein, Julian and Rietveld, Erik. "Reconceiving representation-hungry cognition: an ecological-enactive proposal". *Adaptive Behavior*. Online first, 2018, p. 1-17.
- Millikan, Ruth. "Biosemantics". *The Journal of Philosophy*, V. 86, N. 6, 1989, pp. 281-297.
- Rowlands, Mark. "Arguing about Representations". *Synthese*, V. 194, 2017, p. 4215–4232;

Leitura Complementar:

- Dretske, F. "The Representational Character of Sense Experience". In: *Naturalizing the Mind*;
- Jacobson, Anne. 2013. "Reading Representations". In: *Keeping the World in Mind: Mental Representations and the Sciences of the Mind*. Palgrave Macmillan. Francis Group, pp. 7-30.

13 Cognição

- Ramsey, W. "Must Cognition be Representational?". *Synthese* 194(11), pp. 4197-4214.
- Aizawa, K. "Cognition and Behavior". *Synthese* 194(11), pp. 4269–4288.
- Allen, C. "On (not) defining cognition". *Synthese* 194(11), pp. 4233–4249.

14 Trabalho

Bibliografia:

A bibliografia provisória, a ser atualizada ao longo do curso.

- Cain, M. J. 2016. *The Philosophy of Cognitive Science*. Polity Press.
- Clark, Andy. 2014. *Mindware: an Introduction to the philosophy of cognitive science*. Oxford University Press.
- De Jaegher, Hanna & Di Paolo, Ezequiel. 2007. "Participatory sense-making: An enactive approach to social cognition". *Phenomenology and the Cognitive Sciences* 6(4), pp. 485–507.
- Di Paolo, Ezequiel & Buhrmann, Thomas & Barandiaran, Xabier. 2017. *Sensorimotor Life: An enactive proposal*. Oxford University Press.
- Durt, Christoph. 2017. *Embodiment, Enaction, and Culture: Investigating the Constitution of the Shared World*. MIT Press.
- Fodor, Jerry. 1983. *The Modularity of Mind*. The MIT Press.
- Fuchs, Thomas. 2017. *Ecology of the Brain: The phenomenology and biology of the embodied mind*. Oxford University Press.
- Gallagher, Shaun. 2017. *Enactivist Interventions*. Oxford University Press.
- Gibson, James. 2015. *The Ecological Approach to Visual Perception: Classic Edition*. Taylor and Francis Group.
- Hurley, Susan. 2002. *Consciousness in Action*. Harvard University Press.
- Hutto, Daniel. Myin, Erik. 2017. *Evolving Enactivism: Basic Minds Meet Content*. The MIT Press.
- Jacobson, Anne Jaap. 2013. *Keeping the World in Mind: Mental Representations and the Sciences of the Mind*. Palgrave Macmillan. Francis Group.
- Jacobson, Anne Jaap. 2006. "Empathy, Primitive Reactions and the Modularity of Emotion". *Canadian Journal of Philosophy*. V. 36, sup1, p. 93-113.
- Käufer, Stephan & Chemero, Anthony. 2015. *Phenomenology: An Introduction*. Polity Press.
- Madary, Michael. 2017. *Visual Phenomenology*. The MIT Press.
- Marr, David. 2010. *Vision*. The MIT Press.
- Millikan, Ruth. 2017. *Beyond Concepts*. Oxford University Press.
- Noë, Alva. 2004. *Action in Perception*. The MIT Press.
- Pylyshyn, Zenon. 2003. *Seeing and Visualizing: It's Not What You Think*.
- Ramsey, William. 2013. *Representation Reconsidered*. Cambridge University Press.
- Seemann, Axel (ed.). 2011. *Joint Attention: New Developments in Psychology, Philosophy of Mind and Social Neuroscience*. Cambridge: MIT Press.
- Shapiro, Lawrence. 2011. *Embodied Cognition*. Routledge.
- Sheets-Johnstone, Maxine. 2011. "The Corporeal Turn". *Journal of Consciousness Studies*, 18(7-8), pp. 145-168.
- Teixeira, João Fernandes. 2004. *Filosofia e Ciência Cognitiva*. Vozes.

- Special Edition on 4E, *Phenomenology and Cognitive Sciences*
<https://link.springer.com/journal/11097/9/4/page/1>
- Special Edition on Cognition, *Synthese*
https://link.springer.com/journal/11229/194/11?wt_mc=alerts.TOCjournals_
- Special Edition on Sensorimotor Approach, *Journal of Consciousness Studies*
<http://www.ingentaconnect.com/content/imp/jcs/2016/00000023/f0020005>
- Special Edition on Enactivism, *Topoi*
<https://link.springer.com/journal/11245/36/3/page/1>
- Special Edition on The Philosophy of Expertise, *Topoi*
https://link.springer.com/journal/11245/37/1?wt_mc=alerts.TOCjournals
- Enactive Seminars Online <http://ensoseminars.com/presentations/past>
- Algumas entradas relevantes da SEP: [Cognitive Science](#), [The Computation Theory of Mind](#), [Mental Representation](#), [Modularity of Mind](#), [Teleological Theories of Mental Representation](#), [Embodied Cognition](#).