

Programa de Pós-Graduação**Área de Filosofia****FLF5323 History of Ancient Philosophy (Color for Aristotle)****Prof. Dr. Evan Robert Keeling****1º Semestre de 2024****Créditos: 08****Duração: 12 semanas****(este curso será ministrado em Inglês)****I - Aims of the Course**

The aim of this course is to understand Aristotle's treatment of colors. This will involve different approaches: one linguistic, another metaphysical and another physical. With respect to language, what colors does Aristotle recognize and why does he recognize these? With respect to metaphysics, we will explore the nature of color as first and second actualities. In the context of physics, we will explore the physical basis of colors, transparency, and also the physical basis of transparency in Aristotle's chemistry. Finally, we will explore issues that arise in the application of Aristotle's treatment of color in the *Meteorology* and the *Parva Naturalia*, especially the rainbow.

An important focus of the course will be on *problems* that arise in Aristotle's treatment of color, such as:

1. What does Aristotle mean when he says that white (*leukos*) and black (*melas*) are the form and privation of color, respectively, with all other colors produced between them and formed from their mixture?
2. What does Aristotle mean when he says that objects themselves, insofar as they are colored, are transparent?
3. Why does Aristotle adopt an extramission theory of vision in the *Meteorology*, while in the *De Anima* and *De Sensu* he argues that vision is explained by intramission?
4. Why does Aristotle's rainbow include only four colors: red (*phoinikous*), yellow (*xanthos*), green (*prasinos*), and purple (*halourgos*)? And why does he offer a completely different explanation for the appearance of yellow?

If we have time, we will explore continuities and discontinuities between Aristotle's theory

and contemporary theories of color.

II - Main topics

1. Social anthropology on the evolution of color vocabulary
2. The language of colors in ancient Greek (esp. in Aristotle)
3. The black-white dichotomy
4. The emergence of the other colors by means of black and white
5. The metaphysical nature of colors as first and second actualities
6. The physical nature of colors on the surface of objects and their basis in chemistry
7. The colors of the rainbow and theories of vision

III - ASSESSMENT

Dissertation

IV – BIBLIOGRAPHY

Main texts

Selections from the works of Aristotle (*De Anima*, *Parva Naturalia*, *Meteorology*, *Metaphysics*, etc.)

Bibliografia secundária (os textos em negrito vão servir como textos-base)

Secondary Bibliography (texts in bold will be read and discussed in detail)

Baj, A. 2009. "Faut-il se fier aux couleurs? Approches platoniciennes et aristotéliciennes des couleurs." In Carastro 2009b, 131–152.

Berlin, P. And Kay. B. 1969. *Basic Color Terms: Their Universality and Evolution*. Berkeley.

Beta, S. and Sassi, M.M., (eds.) 2003. *I colori nel mondo antico. Esperienze linguistiche e quadri simbolici*.

Atti della giornata di studio. Siena, March 28, 2001. Fiesole.

Borg, A. 1999 (org.) *The Language of Colour in the Mediterranean*. Stockholm Oriental Studies, No 16. Weisbaden.

Bradley, M. 2009. *Colour and Meaning in Ancient Rome*. Cambridge.

Bradley, M. 2012. "Colors and color perception, Greece and Rome." In *The Encyclopedia of Ancient History*.

Brinkmann, V. and Wünsche, R., eds. 2004. *Bunte Götter. Die Farbigkeit antiker Skulptur*. Munich.

Brinkmann, V., Brinkmann, U.-K., Pieming, H., and Primavesi, O. 2011. *Die Artemis von Pompeji und die Entdeckung der Farbigkeit griechischer Plastik*. Ruhpolding und Mainz.

Brinkmann, V., Primavesi, O., and Hollein, M., eds. 2010. *Circumlitio. The Polychromy of Antique and Medieval Sculpture*. Munich.

Bruno, V.J. 1977. *Form and Color in Greek Painting*. New York.

Carastro, M. 2009a. "La notion de khrōs chez Homère. Éléments pour une anthropologie de la couleur en Grèce ancienne." In Carastro, 2009b, 301–313.

Carastro, M. (ed.) 2009b. *L'antiquité en couleurs. Catégories, pratiques, représentations*. Grenoble.

Christol, A. 2002. "Les couleurs de la mer." In Villard 29–44.

Descamps-Lequime, S. 2006. "La polychromie des bronzes grecs et romains." In Rouveret, Dubel, and Naas, 79–92.

Destrée, P. and Murray, P., eds. 2015. *A Companion to Ancient Aesthetics*, Chichester.

Ferrini, M.F. 1999–2000. "La porpora e il mare." Atti dell'Istituto Veneto di Scienze, Lettere ed Arti 158: 47–94.

Gage, J. 1993. *Color and Culture: Practice and Meaning from Antiquity to Abstraction*. Boston, Toronto, and London.

Gladstone, W.E. 1858. *Studies on Homer and the Homeric Age*, III. Oxford.

Goethe, J.W. von. 1957. *Materialien zur Geschichte der Farbenlehre* (1810). In *Die Schriften zur Naturwissenschaft*, I Abt., Bd. VI: Zur Farbenlehre. Historischer Teil, bearb. v. D. Kuhn. Weimar.

Goldman, R. (ed.) 2016. *Interpreting the Ancient Spectrum*, Gorgias Press.

Hardin, C.L. 1988. *Color for Philosophers: Unweaving the Rainbow*. Indianapolis.

Hardin, C.L. and Maffi, L. (eds.) 1997. *Color Categories in Thought and Language*, Cambridge.

Ierodiakonou, K. 2018. "Aristotle and Alexander of Aphrodisias on Colour." In *The Para Naturalia in Greek, Arabic and Latin Aristotelianism*, 77-90.

Ierodiakonou, K. (ed.) 2020. *Colour Psychology in the Graeco-Roman World*.

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- Irwin, E. 1974. *Colour Terms in Greek Poetry*. Toronto.
- Kalderon, E.M. 20115. *Form Without Matter: Empedocles and Aristotle on Color Perception*. Oxford.
- Kakoulli, I. 2009. *Greek Painting Techniques and Materials from the Fourth to the First Century BC*. London.
- Kay, P. 1999. "The Emergence of Basic Color Lexicons Hypothesis: A Comment on 'The Vocabulary of Colour with Particular Reference to Ancient Greek and Classical Latin' by John Lyons" <http://www1.icsi.berkeley.edu/~kay/On.Lyons.ps>
- Kay, P., Berlin, B., Maffi, L., AND Merrifield, W. 1997. "Color naming across languages," In *Color Categories in Thought and Language*.
- Kay, P and Maffi, L. 1999. "Color Appearance and the Emergence and Evolution of Basic Color Lexicons." *American Anthropologist* 101, No. 4, 743-760.
- Keeling, E *Color for Aristotle* (in progress)
- Keuls, E.C. 1978. *Plato and Greek Painting*. Leiden.
- Lyons, J. 1999. "The Vocabulary of Colour with Particular Reference to Ancient Greek and Classical Latin." In Borg 1999, *The Language of Colour in the Mediterranean*, Alexander Borg (ed.)
- Marconi, C. 2011. "The Birth of an Image. The Painting of a Statue of Herakles and Theories of Representation in Ancient Greek Culture." *Res: Anthropology and Aesthetics* 59/60: 145–166.
- Muller-Dufeu, M. 2006. "Les couleurs du bronze dans les statues grecques d'apr.s les descriptions antiques." In Rouveret, Dubel, and Naas, 93–102.
- Osborne, H. 1968. "Colour concepts of the ancient Greeks." *Classical Quarterly* 15: 153–162.
- Porter J.I. 2010. *The Origins of Aesthetic Thought in Ancient Greece: Matter, Sensation, and Experience*. Cambridge.
- Primavesi, O. 2004. "Farbige Plastik in der antike Literatur? Vorschläge für eine differenzierte Lesung." In Brinkmann and Wünsche, 219–237.
- Ribeyrol, C. 2009. "Homeric Colour: La couleur chez les esthètes anglais." In Carastro 2009b, 43–61.
- Romano, E. 2003. "Il lessico latino dei colori. Il punto della situazione." In Beta and Sassi, 41–53.
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Rouveret, A., Dubel, S., and Naas, V., eds. 2006. *Couleurs et matières dans l'antiquité. Textes, techniques et pratiques*. Paris.

Sacks, O. 1997. *The Island of the Colorblind*. New York and Toronto.

Sacks, O. and Wassermann, R. 1987. "The Case of the Colorblind Painter." *The New York Review of Books*, Nov. 19. Repr. in O. Sacks, *An Anthropologist on Mars. Seven Paradoxical Tales* (New York, 1995), 3–41.

Sahlins, M. 1976. "Colors and Cultures." *Semiotica* 16: 1–22.

Sassi, M.M. 1994. "Una percezione imperfetta? I Greci e la definizione dei colori." *L'immagine riflessa* 2: 281–302.

Sassi, M.M. 2001. *The Science of Man in Ancient Greece*. Chicago and London. Rev. ed. and trans. of *La scienza dell'uomo nella Grecia antica*, Torino, 1988.

Sassi, M.M. 2003. "Il problema della definizione antica del colore, fra storia e antropologia." In Beta and Sassi, 9–23.

Sassi, M.M. 2009. "Entre corps et lumière: réflexions antiques sur la nature de la couleur". In Carastro, 2009b, 277–300.

Sassi, M.M. 2015. "Perceiving Colors." In Destrée and Murray 2015, 262-273

Schultz, W. 1904. *Das Farbenempfindungssystem der Hellenen*. Leipzig.

Settis, S. 2008. "Il contributo del papiro alla storia dell'arte antica." In Il Papiro di Artemidoro, edited by C. Gallazzi, B. Kr.mer, and S. Settis, 579–616. Bologna.

Skarsouli, P. 2009, "S'interroger sur la relation entre couleurs et mots. Le terme phármakon chez Empédocle." In Carastro, 2009b, 165–177.

Squire, M., (ed.) 2015. *Sight and the Ancient Senses*: Routledge.

Sorabji, R. 1972. "Aristotle, Mathematics, and Colour. Intermediate Colours as Mixtures of Black and White." *Classical Quarterly* 22: 293–308.

Stager, J. 2016. "The Materiality of Color in Ancient Mediterranean Art." In Goldman, 97-120.

Stager, J. Unpublished. *Seeing Ancient Mediterranean Color*.

Stewart, S. 2006. "The 'blues' of Aratus." In Beyond the Canon, edited by M.A. Harder, R.F. Regtuit, and G.C. Wakker, 319–343. *Hellenistica Groningiana* II. Leuven.

Svoboda, K. 1934. "Les idées esthétiques de Plutarque." In *Mélanges Bidez*, 917–946. Brussels.

Tiverios, A. & Tsiafakis, D.S. 2002. *Color in Ancient Greece: The role of color in ancient Greek art and architecture (700-31 B.C.)* Thessaloniki.

-
- Trinquier J. 2002. "Confusis oculis prosunt uirentia (Sénèque, De ira, 3, 9, 2): les vertus magiques et hygiéniques du vert dans l'Antiquité." In Villard, 129–152.
- Veloso, C.L. 2017, *Meteorológicos* de Aristóteles, Casa da Moeda
- Villard, L. ed. 2002. *Couleurs et vision dans l'Antiquité classique*. Rouen.
- Warburton, D.A. 2016. "The Origins, Development, Diffusion and Significance of Early Color Terminology." In Goldman, 65-96.

Programa em Português:

I - Objetivos

O objetivo deste curso será entender o tratamento das cores em Aristóteles. Isso envolverá abordagens distintas: uma linguística, outras metafísica e física. No âmbito da linguagem, quais cores Aristóteles reconhece e por que são essas? No âmbito da metafísica, exploraremos a natureza das cores como entidades em ato, seja primeiro ou segundo. No âmbito da física, exploraremos a base física das cores, a saber a transparência e, também, a base física da transparência na química. Finalmente, exploraremos questões que surgem na aplicação no tratamentos das cores nos *Meteorológicos* e no *Parva Naturalia*, sobretudo o acro-íris.

Um importante foco do curso será nas *dificuldades* que surgem no tratamento das cores em Aristóteles, como:

1. O que Aristóteles quer dizer ao afirmar que o branco (*leukos*) e o preto (*melas*) são a forma e a privação da cor, respectivamente, com todas as outras cores surgindo *entre* eles e formadas a partir de sua mistura?
2. O que Aristóteles quer dizer ao afirmar que os próprios objetos, na medida em que são coloridos, são *transparentes*?
3. Como, afinal, Aristóteles entende a natureza da visão? Por que adota uma teoria de extramissão da visão nos *Meteorológicos*, enquanto no *De Anima* e *De Sensu* argumenta que a visão é explicada pela intramissão?
4. Por que o arco-íris de Aristóteles inclui apenas quatro cores: vermelho (*phoinikous*), amarelo (*xanthos*), verde (*prasinos*) e roxo (*halourgos*)? E por que oferece uma explicação

completamente diferente para o aparecimento do amarelo?

Se tivermos tempo, exploraremos possíveis continuidades e descontinuidades entre a teoria de Aristóteles e teorias e questões contemporâneas das cores.

II – CONTEÚDO

Tópicos principais

1. Antropologia social acerca da evolução do vocabulário sobre cores
2. A linguagem das cores no grego antigo, em particular em Aristóteles
3. A dicotomia preto-branco
4. O surgimento das outras cores através de preto e branco
5. A natureza metafísica das cores (primeiro e segundo ato)
6. A natureza das cores na superfície de objetos e a sua base na física
7. As cores do arco-íris e teorias da visão

III – AVALIAÇÃO

Dissertação

IV –Bibliografia

Textos principais

Seleções das obras de Aristóteles (*De Anima*, *Parva Naturalia*, *Meteorologicos*, *Metafísica*, etc.)