

**The Plan and Idea of Aristotle's *Posterior Analytics* (with a view to the science of living things)**  
**(Seminar on Aristotle's theory of scientific explanation in the *Posterior Analytics*)**

Prof. Lucas Angioni (Campinas)

*When: Wednesdays, 10h-13h (but see below note about the exception in the first week)—starting on May 24th, 2023.*

*Where: Hörsaal, Doblerstraße 33*

***May 24th: Meeting 1:***

***(Please note that we will exceptionally meet at 2-4pm this week)***

1. Preliminary assumptions: some of my views about how Aristotle uses some expressions; some of the key notions I will employ; what is going on in the general level in the *APo*.

2. Aristotle's definition of "*epistasthai haplós*" (I.2, 71b9-12):

Part I: The definiendum:

—what, exactly, Aristotle has taken as definiendum;

—why Aristotle has presented the definiendum in the way he has presented it.

3. Aristotle's definition of "*epistasthai haplós*" (I.2, 71b9-12):

Part II: The definiens:

—the causality requirement;

—the necessity requirement.

—how they relate to each other.

Passages to be closely examined: 71b9-12.

Secondary literature (see Bibliographical Appendix): Angioni 2016; Angioni [unpublished draft 1]; Angioni 2020;

***May 31th: No meeting, Spring Break.***

***June 7th: Meeting 2:***

4. Expanding the causal requirement: examination of I.13, II.16-17.

Passages to be closely examined: I.13, 78a22-78b31; II. 16-17, 98a35-99a29.

Secondary literature (see Bibliographical Appendix): Angioni 2018; Zuppolini 2018a; Angioni 2014a; Ferejohn 2013; McKirahan 1992.

***June 14th: Meeting 3:***

5. Expanding the necessity requirement: the "necessary principles" (against "*sumbebekota* explanatory factors") in I.6.

Passages to be closely examined: I.6, especially 74b5-39, 75a28-27, perhaps also 75a13-28.  
Secondary literature (see Bibliographical Appendix): Angioni 2014b; Angioni 2016; Angioni 2020; Angioni 2023 (forth.).

**June 21th: Meeting 4:**

6. Aristotle's introduction of the notion of *apodeixis*:  
—what it is, exactly? How does *apodeixis* relate to *sullogismos*? How does *apodeixis* relate to explanations?

7. The six requirements for the premises of demonstrations.

Passages to be closely examined: I.2, 71b16-19; I.2, 71b19-33, but also 72a5-8, and also 72a25-32.  
Secondary literature (see Bibliographical Appendix): Angioni 2012; Ferejohn 2013; McKirahan 1992; Zuppolini 2021.

**June 28th: Meeting 5:**

9. Uses of *per se* and *katholou* [both in the predicative and in the demonstrative level] (I.4-5).

Passages to be closely examined: I.4-5.  
Secondary literature (see Bibliographical Appendix): Angioni 2019b; Lennox 2001; Ferejohn 2013; Hasper 2006.

**July 05: Meeting 6:**

11. The appropriate principles of each explanandum as the very explanandum it is (I.9).

Passages to be closely examined: I.9, especially 75b37-76a15, and also 76a26-30.  
Secondary literature (see Bibliographical Appendix): Angioni 2019b; Angioni [unpublished draft 2].

**July 12: Meeting 7:**

12. Knowing the why as the same as knowing the essence or the “what it is” (II.1-2, II.8).

Passages to be closely examined: II.2, II.8.  
Secondary literature (see Bibliographical Appendix): Charles 2000; Bronstein 2016; Ackrill 1981; Zuppolini 2018b; Angioni 2014a; Angioni 2014b.

**July 19th: Meeting 8:**

13. Kind of Definitions and method(s) of inquiry (II.3-10, especially II.8-10).

Passages to be closely examined: II.8, II.9, II.10.  
Secondary literature (see Bibliographical Appendix): Charles 2000; Bronstein 2016; Demoss-Devereux 1998; Bolton 1976; Ackrill 1981; Goldin 1996; Castelli 2019.

**July 26th: Meeting 9:**

14. Tracking the elements of a definition (II.13).

15. Tracking the appropriate explananda (II.14-17).

Passages to be closely examined: II.17.

Secondary literature (see Bibliographical Appendix): Lennox 2001; Lennox 2021; Bronstein 2016; Zuppolini 2018; Angioni 2019a; Angioni 2018b.

### **Appendix with Bibliographical References:**

–I have only included secondary literature;

–for the edition of the Greek text, Bekker’s and Ross’ editions will be the main reference;

–besides the specific references in each topic above, I recommend [for those who have time and interest] to have a survey of the monographic books devoted to important aspects of Aristotle’s *episteme*, such as McKirahan [1982]; Ferejohn [2013]; Bronstein [2016]; Falcon [2005] and Gasser-Wingate [2021]

–for some of my papers published in Portuguese, note that there are informal English translations made by myself, available in my profile in Academia.edu (sometimes in PhilPeople too): <https://unicamp.academia.edu/LucasAngioni/Papers-Translated-into-English>. If you do not have access to those profiles, I can send you the English version by email on request.

ACKRILL, John. 1981. “Aristotle’s Theory of Definition: Some Questions on *Posterior Analytics* II.8-10”, in Berti, E. (ed.), *Aristotle on Science – The Posterior Analytics*, Pádua: Antenore, p. 359-384.

ANGIONI, Lucas. 2012a. “Os Seis Requisitos das Premissas da Demonstração Científica em Aristóteles. *Segundos Analíticos I 2*”, *Manuscrito* v. 35, n. 1, p. 7-60.

Note that there is an informal English translation made by myself, available both in my Academia.edu profile: [https://www.academia.edu/37747748/Aristotle\\_s\\_six\\_requirements\\_for\\_the\\_premises\\_of\\_scientific\\_demonstrations\\_Posterior\\_Analytcs\\_A\\_2\\_](https://www.academia.edu/37747748/Aristotle_s_six_requirements_for_the_premises_of_scientific_demonstrations_Posterior_Analytcs_A_2_).

If you do not have access to those profiles, I can send you the English version my email on request.

ANGIONI, Lucas. 2014a. “Demonstração, Silogismo e Causalidade”, in *Lógica e Ciência*, Campinas: PHI, p. 61-120.

Note that there is an informal English translation made by myself, available both in my Academia.edu profile: [https://www.academia.edu/37898375/Demonstration\\_syllogism\\_and\\_causality](https://www.academia.edu/37898375/Demonstration_syllogism_and_causality).

If you do not have access to those profiles, I can send you the English version my email on request.

ANGIONI, Lucas. 2014b. “Aristotle on Necessary Principles and on Explaining X Through the Essence of X”, *Studia Philosophica Estonica* 7:2, p. 88-112.

ANGIONI, Lucas. 2016. “Aristotle’s Definition of Scientific Knowledge (*APo* 71b9-12)”, *Logical Analysis and History of Philosophy* 19, p. 140-166.

ANGIONI, Lucas. 2018. “Causality and Coextensiveness in Aristotle’s *Posterior Analytics* 1.13”, *Oxford Studies in Ancient Philosophy* 54, p. 159-185.

ANGIONI, Lucas (2019a): “What Really Characterizes Explananda: *Prior Analytics* I.30”. In: *Eirene: Studia Graeca et Latina* 55, pp. 147–177.

ANGIONI, Lucas (2019b): “Aristotle’s Contrast between *episteme* and *doxa* in its context (*Posterior Analytics* I.33)”. In: *Manuscrito* 42. No. 4, pp. 157–210.

- ANGIONI, L. (2020). “Aristóteles e a necessidade do conhecimento científico”, *Discurso* 50 (2), p. 193-238.  
 Note that there is an informal English translation made by myself, available both in my Academia.edu profile: [https://www.academia.edu/42648669/Aristotle\\_and\\_the\\_necessity\\_of\\_scientific\\_knowledge](https://www.academia.edu/42648669/Aristotle_and_the_necessity_of_scientific_knowledge)  
 If you do not have access to those profiles, I can send you the English version my email on request.
- ANGIONI, Lucas. (Forth. 2023). “Demonstration and Necessity: A short note on *Metaphysics* 1015b6-9”. Forthcoming in *Archai* 2023.
- ANGIONI, Lucas. (draft 1). “Aristotle and the Object of *Posterior Analytics*’s discussion”. Unpublished. Available on request.
- ANGIONI, Lucas. (draft 2). “The principles of each thing, demonstration and *sungeneia* in *Posterior Analytics* I.9 (provisional title)”. Unpublished. Available on request.
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