

Philosophy 20000: Introduction to Philosophy of Science

Tue. and Thur., 12:00–1:20pm.

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Office hours: Mon., 11–12; Tues., 1:30–2:30; or by appointment.

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Course Requirements

Two 6–12 page papers (see my e-mail for a discussion of what this new length requirement means), due Thur., Nov. 6 and Wed., Dec. 10. There will be a discussion section with Adam, time to be arranged. This is optional but recommended. (For graduate students there will be different requirements, see me.)

Texts

Carnap, *The Logical Structure of the World* (known, following its German title, as “the *Aufbau*”).

Kuhn, *The Structure of Scientific Revolutions*.

Popper, *The Logic of Scientific Discovery*.

The above texts should be available at the Seminary Coop Bookstore (5757 S. University Ave.). Readings not on the above list will be made available as photocopies and/or on e-reserve.

Readings

Tue., Sept. 30: (no reading, first class).

Thur., Oct. 2: Carnap, *Aufbau*, Preface to 1st Edition (pp. xv–xviii); §§1–5 (pp. 5–10); §§17–25 (pp. 31–43); §§26–31 (pp. 47–56).

Tue., Oct. 7: Carnap, *Aufbau*, §§32–41 (pp. 56–70); §§46–60 (pp. 78–97); §§95–6 (pp. 152–4); §§98–103 (pp. 156–63).

Thur., Oct. 9: Carnap, *Aufbau*, §157 (p. 246); §§160–61 (pp. 254–7); §§165–9 (pp. 263–72); §§175–83 (pp. 281–98).

Tue., Oct. 14: Carnap, *The Unity of Science*, §§1–3 and 6; Neurath, “Protocol Sentences”; Carnap, “On Protocol Sentences.”

Thur., Oct. 16: “The Methodological Character of Theoretical Concept,” §§1-6, beginning of §7 (through the paragraph that ends on top of p. 54), and §§8–10; Putnam, “What Theories Are Not.”

Tue., Oct. 21: Quine, “Epistemology Naturalized.”

Thur., Oct. 23: Carnap, *Aufbau*, §67 (pp. 107–9) and §§125–8 (pp. 194–9) (and continued discussion of “Epistemology Naturalized”).

Tue., Oct. 28: Popper, *LSD*, ch. 1 and 2 (pp. 3–34).

Thur., Oct. 30: Popper, *LSD* ch. 3 (pp. 37–56).

Tue., Nov. 4: Popper, *LSD*, ch. 4 (pp. 57–73).

Thur., Nov. 6: Popper, *LSD*, ch. 5 (pp. 74–94) (and **first paper due**).

Tue., Nov. 11: Popper, *LSD*, ch. 10 beginning and §79 (pp. 248–52); §82 (pp. 264–7); §84 through end (including Addendum), pp. 273–82.

Thur., Nov. 13: Neurath, “Pseudorationalism of Falsification”; Putnam “The ‘Corroboration’ of Theories”; Lakatos, “Popper on Demarcation and Induction,” through end of part I (pp. 241–52).

Tue., Nov. 18: Kuhn, *SSR*, ch. 1–5, pp. 1–51.

Thur., Nov. 20: Kuhn, *SSR*, ch. 6–8, pp. 52–91.

Tue., Nov. 25: Kuhn, *SSR*, ch. 9–10, pp. 92–135.

Thur., Nov. 27 **no class** (Thanksgiving).

Tue., Dec. 2: Kuhn, *SSR*, ch. 11–13, pp. 136–73.

Wed., Dec. 11: **second paper due**.