We suggest as general background reading B. Skyrms “Signals: Evolution, Learning, and Information”, OUP, 2010. For the presenters of each topic we will recommend other background readings. The following list of readings can be changed if one of the students has specific research interests for signaling.

**Week 1: Signaling Conventions**
- D. Lewis, *Convention*, Chapters 1 and 4

**Week 2: Primitive Content and Human Language**
- R. Millikan “On Reading Signs”
- W. Harms “Primitive Content”

**Week 3: Dynamics I**
- K. Wärneryd, “Cheap Talk, Coordination and Evolutionary Stability”
- C. Pawlowitsch, “Why Evolution does not Always Lead to a Signaling System”

**Week 4: Dynamics II**
- J. Hofbauer and S. Huttegger “Feasibility of Communication in Binary Signaling Games”

**Week 5: Signaling in Experimental Economics**
Required:
- A. Blume et al. “Learning and Communication in Sender-Receiver Games”
- R. Selten and M. Warglien “The Emergence of Simple Languages in an Experimental Coordination Game”

**Week 6: Beyond Common Interest I**
Required:
- C. Bergstrom and M. Lachmann “Signalling Among Relatives I: Is Costly Signalling too Costly”
- Spence “Job Market Signaling”

**Week 7: Beyond Common Interest II**
• S. M. Huttegger and Kevin Zollman “Stability and Basins of Attraction in the Sir Philipp Sidney Game”
• Elliott Wagner “Deterministic chaos and the evolution of meaning”

**Week 8: Structured Signals**
• J. A. Barrett “The Evolution of Coding in Signaling Games”
• N. L. Komarova et al., “The Evolutionary Dynamics of Grammar Acquisition”

**Week 9: Categorization**
• G. Jäger et al. “Voronoi Languages: Equilibria in Cheap-Talk Games with High-Dimensional Types and Few Signals”
• N. L. Komarova et al., “Evolutionary models of color categorization based on discrimination”

**Week 10: Networks**
• V. Bala and S. Goyal “A Non-Cooperative Model of Network Formation”
• S. K. Berninghaus et al. “Evolution of Networks – an Experimental Analysis”