

Formal Theory and Political Philosophy | W3952 (4)

Macartan Humphreys
812 IAB | mh2245@columbia.edu

Spring 2014 | M 18:10-20:00pm | 711 IAB

Contents

1	Primitives	4
1.1	27 Jan: Games and Strategies	4
1.2	03 Feb: Preferences and Motivations I	4
1.3	10 Feb: Preferences and Motivations II	4
1.4	17 Feb: Data (RT1)	5
2	Aggregations & Projections	6
2.1	24 Feb: Paretian Aggregation & The General Will	6
2.2	03 Mar: Veils of Ignorance, Utilitarianism and Egalitarianism (RT2)	6
2.3	10 Mar: Egalitarianism and Equilibria	7
2.4	24 Mar: Deliberation (RT1)	8
3	Allocations & Rights	8
3.1	31 Mar: Fair Divisions & Status Quos	8
3.2	07 Apr: Rights and Processes (RT2)	9
4	Systems	9
4.1	14 Apr: Repeated Games and the Golden Rule	9
4.2	21 Apr: Anarchism and Law (RT1)	10
4.3	28 Apr: Leviathans	10
4.4	05 May: Markets (RT2)	11
5	Bibliography	12

Expectations

This seminar explores game theoretic ideas that shed light on major questions in political philosophy. The material is of relevance both to those interested in questions in political philosophy of the form: what is a just way to organize society? what does it mean to say a public policy is fair or unfair? what are rights and how are they established? It will also be of interest to students of comparative politics and international relations interested in how people form moral judgments on questions of policy importance. As well as reading key texts in formal theory with bearing on political philosophy you will get practice implementing and analyzing experimental games.

Requirements

Admission. To do now: Fill up this form before Tuesday 28 Jan midnight:
<http://tinyurl.com/w3952ss14>.

Reading and arguing [20%]

The Syllabus lists both required reading and further reading. You will be expected to have completed all the required readings before class *to the point where you can be called on to critique or defend any reading at any time*. You should contribute actively and be engaged in the discussion at *all* times. If the discussion does not make sense to you then stop the class and say so — it probably doesn't make sense to others either. Any computer use should be for note taking only and quick checking of facts directly related to class discussion; emailing, browsing, SMSing etc *are strictly not allowed and you will be asked to withdraw if you wander like that*.

Presentations and simulations [24%]

You will be divided into two “research teams” (RT1, RT2) which will be tasked with implementing three short projects each on themes of the class. These projects are highlighted in the syllabus with the name of the assigned team. In each case you are charged with developing a game to be played with class members – or better, with a larger group outside of class – prior to class that engages with the readings of the week. You should present results of the game and discuss implications of your findings. In each case you should submit a 2 page memo summarizing findings and implications on the day of class.

Writing [56%]

You will write three papers that engage with readings or topics of the course. Each paper will be no more than 2000 words in length. The first will be a bit more exam style, focussing on key concepts (15% of grade); the second will be more like an assigned essay question (15% of grade), the third will be more like a mini-seminar paper on a *topic provided by you* (26% of grade)! For the last two you should be prepared to move beyond the readings of the class. Each paper will be followed by a discussion with the instructor in which you will be asked to defend or expand on ideas provided in your written answers. See schedule below (and sign up for a time right away; first come, first served).

Table 1: Short paper schedule

Question provided	Due	Meet with Instructor	Signup link
03-Feb	10-Feb	18-Feb	http://doodle.com/29mzkyarpfiah7ts
3-Mar	10-Mar	18-Mar	http://doodle.com/v58feeh9r5ywsqfz
7-Apr	22-Apr	29-Apr	http://doodle.com/3kr7ks9bzhman3b4

Really Reading

The reading loads are not especially heavy but some of the readings are hard. You should aim to read them carefully and reflectively. Before approaching each reading think about what the key questions are for the week and about how the questions from this week relate to what you know from previous weeks. Then skim over the reading to get a sense of the themes it covers, and, before reading further, jot down what questions you hope the reading will be able to answer for you. Next, read the introduction and conclusion. This is normally enough to get a sense of the big picture. Ask yourself: Are the claims in the text surprising? Do you believe them? Can you think of examples of ethical problems that do not seem consistent with the logic of the argument? Is the reading answering the questions you hoped it would answer? If not, is it answering more or less interesting questions than you had thought of? Next ask yourself: What types of arguments would you need to see in order to be convinced of the main claims? Now read through the whole text, checking as you go through how the arguments used to support the claims of the author. It is rare to find a piece of writing that you agree with entirely. So, as you come across issues that you are not convinced by, write them down and bring them along to class for discussion. Also note when you are pleasantly surprised, when the author produced a convincing argument that you had not thought of.

Note all readings are available on line or on courseworks however you are encouraged to **buy** John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. If you need additional reading on game theoretic concepts you might try Avinash K Dixit and Barry J Nalebuff. *The Art of Strategy: a Game Theorist's Guide to Success in Business & Life*. WW Norton & Company, 2008 or Martin J Osborne. *An Introduction to Game Theory*. Oxford University Press New York, 2004. A more advanced but very clear and sophisticated introduction to the key ideas is: Roger B Myerson. *Game Theory: Analysis of Conflict*. Harvard University Press, 1997.

A draft of my game theory concepts text *Hell is Other People (HOP)* is also available on courseworks. Please note that scanned and posted readings are not for circulation outside this course.

Note also that all *numbered* readings (above the line) are required; all *bulleted* readings (below the line) are (strongly) recommended.

1 Primitives

1.1 27 Jan: Games and Strategies

Goal: Introduction to game theoretic concepts; optimization, normal form games, extensive form games, equilibrium.

1. Colin Camerer. *Behavioral game theory: Experiments in strategic interaction*. Princeton University Press, 2003. Appendix A1.1.
2. HOP (1,2,3, A3)

1.2 03 Feb: Preferences and Motivations I

Goal: Figure out what is meant by preferences and welfare. Focus on formal representations of the structure of preferences and varying accounts of the *content* of preferences.

1. Jon Elster. *Explaining social behavior: More nuts and bolts for the social sciences*. Cambridge University Press, 2007. Chapters 4, 5, 8, and 9.
2. Derek Parfit. *Reasons and Persons*. Oxford University Press, 1984. Chapters 1 sections (1.1, 1.2, 1.10, 1.11, 1.18), 2 (all) and 3 (all)
3. Colin Camerer. *Behavioral game theory: Experiments in strategic interaction*. Princeton University Press, 2003. Section 2.8.

Additional Reading

- Ken Binmore. *Natural Justice*. Oxford University Press, 2005. Chapter 8.
- Thomas Scanlon. The moral basis of interpersonal comparisons. In Jon Elster and John E Roemer, editors, *Interpersonal comparisons of well-being*. Cambridge University Press, 1993. Available [here](#).

1.3 10 Feb: Preferences and Motivations II

Goal: Assess accounts of the evolution of preferences, and, more broadly, the origins of ethical thinking.

1. Richard Joyce. *The evolution of morality*. The MIT Press, 2006. Chapters 1–4.
2. Peter DeScioli and Robert Kurzban. A solution to the mysteries of morality. *Psychological Bulletin*, 139(2), 2012.
3. Eddie Dekel, Jeffrey C Ely, and Okan Yilankaya. Evolution of preferences. *The Review of Economic Studies*, 74(3):685–704, 2007.
4. HOP (7)

Additional Reading

- Richard Dawkins. *The selfish gene*. Oxford university press, 2006. Chapters 1, 5 and 10.

- Francis Hutcheson. *Illustrations on the moral sense*. 1728.
- Werner Güth. An evolutionary approach to explaining cooperative behavior by reciprocal incentives. *International Journal of Game Theory*, 24(4):323–344, 1995.
- Rajiv Sethi and E Somanathan. Preference evolution and reciprocity. *Journal of economic theory*, 97(2):273–297, 2001.
- John Mackie. *Ethics: Inventing right and wrong*. Penguin UK, 1990.

1.4 17 Feb: Data (RT1)

Goal: Examine experimental results that seek to measure preferences. **RT1:** Implement a game in class (or outside it) from the Camerer reading and re-examine of the accounts of preferences discussed in last two weeks.

1. Colin Camerer. *Behavioral game theory: Experiments in strategic interaction*. Princeton University Press, 2003. Sections 2.1–2.4.
2. Michael R Waldmann and Jörn H Dieterich. Throwing a bomb on a person versus throwing a person on a bomb intervention myopia in moral intuitions. *Psychological science*, 18(3):247–253, 2007.
3. Jesse Graham, Jonathan Haidt, and Brian A Nosek. Liberals and conservatives rely on different sets of moral foundations. *Journal of personality and social psychology*, 96(5):1029, 2009.
4. Do the fat man and the trolley problems here.

Additional Reading

- Ernst Fehr and Simon Gächter. Altruistic punishment in humans. *Nature*, 415(6868):137–140, 2002.
- Martin Daly and Margo Wilson. Evolutionary social psychology and family homicide. *Science*, 1988.
- Jessica Pierce and Marc Bekoff. Wild justice redux: What we know about social justice in animals and why it matters. *Social Justice Research*, 25(2):122–139, 2012.
- Peter DeScioli and Robert Kurzban. Mysteries of morality. *Cognition*, 112(2):281–299, 2009.
- Judith Jarvis Thomson. Killing, letting die, and the trolley problem. *The Monist*, 59(2):204–217, 1976.
- Jonathan Baron and Ilana Ritov. Omission bias, individual differences, and normality. *Organizational Behavior and Human Decision Processes*, 94(2):74–85, 2004.
- Joshua D Greene, Sylvia A Morelli, Kelly Lowenberg, Leigh E Nystrom, and Jonathan D Cohen. Cognitive load selectively interferes with utilitarian moral judgment. *Cognition*, 107(3):1144–1154, 2008.

2 Aggregations & Projections

2.1 24 Feb: Paretian Aggregation & The General Will

Goal: Consider the problem of how you aggregate individual preferences into a statement about “social preferences.” What kind of information about preferences do you need in order to be able to do this?

1. John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapter 1.
2. Amartya Sen. Personal utilities and public judgements: or what’s wrong with welfare economics. *The economic journal*, pages 537–558, 1979a.
3. HOP (9,10,13)

Additional Reading

- Walter G Runciman and Amartya K Sen. Games, justice, and the general will. *Mind*, 74(296):554–562, 1965.
- Amartya Sen. On weights and measures: informational constraints in social welfare analysis. *Econometrica: Journal of the Econometric Society*, pages 1539–1572, 1977.
- Kenneth J Arrow. *Social choice and individual values*, volume 12. Yale university press, 2012.
- Jon Elster and John E Roemer. *Interpersonal comparisons of well-being*. Cambridge University Press, 1993. Introduction.
- Bernard Grofman and Scott L Feld. Rousseau’s general will: a condorcetian perspective. *The American Political Science Review*, pages 567–576, 1988.

2.2 03 Mar: Veils of Ignorance, Utilitarianism and Egalitarianism (RT2)

Goal: Consider approaches that seek to derive principles from the adoption of a ‘neutral’ position. How do conclusions depend on assumptions about preferences? **RT2:** Implement a veils of ignorance experiment in class: what kind of social welfare function is implied by your results?

1. John C Harsanyi. Cardinal utility in welfare economics and in the theory of risk-taking. *The Journal of Political Economy*, 61(5):434, 1953.
2. John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapter 5 (sections 5.1–5.3).
3. John E Roemer. Egalitarianism against the veil of ignorance. *The Journal of philosophy*, 99(4):167–184, 2002.
4. Derek Parfit. *Reasons and Persons*. Oxford University Press, 1984. Chapters 17 and 18.
5. HOP (8)

Additional Reading

- Immanuel Kant. *Groundwork for the Metaphysics of Morals*. Yale University Press, 2002. Section 1.
- Adam Smith. *The theory of moral sentiments*. Penguin, 2010. Book III, Chapter 4.
- John Rawls. *A Theory of Justice*. Belknap Press, 1999.
- Ken Binmore. *Natural Justice*. Oxford University Press, 2005. Chapters **Chapters**
- Amartya Sen. Utilitarianism and welfarism. *The Journal of Philosophy*, 76(9):463–489, 1979b.
- John Stuart Mill. *Utilitarianism*, volume 7. Bobbs-Merrill, 1971. Chapters 1–2.
- John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapter 4.
- C JJ, Anthony Quinton, and Bernard Williams. *Utilitarianism: for and against*. Cambridge Univ Press, 1987.

2.3 10 Mar: Egalitarianism and Equilibranda

Goal: Assess how arguments for egalitarianism are sensitive to different specifications of what exactly gets equalized: utility? resources? opportunities?

1. Ronald Dworkin. What is equality? part 2: Equality of resources. *Philosophy & Public Affairs*, 10(4):283–345, 1981.
2. Amartya K Sen. Capability and well-being. In Martha C Nussbaum, Amartya K Sen, and Robert Sugden, editors, *The quality of life*. Clarendon Press Oxford, 1993.
3. Gerald A Cohen. On the currency of egalitarian justice. *Ethics*, 99(4):906–944, 1989a.
4. Ken Binmore. *Natural Justice*. Oxford University Press, 2005. Chapter 11.

Additional Reading

- David Johnston. *The idea of a liberal theory: A critique and reconstruction*. Cambridge Univ Press, 1994. Chapter 4, section 5.
- John E Roemer. *A future for socialism*. Harvard University Press, 1994.
- John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapters 3 and 7.

2.4 24 Mar: Deliberation (RT1)

Goal: Assess when and how deliberation can lead to the uncovering (or generation?) of socially optimal outcomes. **RT1 task:** Design and implement a deliberation game that assesses conditions under which deliberation improves social decision making.

1. John S Dryzek, Christian List, et al. Social choice theory and deliberative democracy: a reconciliation. *British Journal of Political Science*, 33(1):1–28, 2003.
2. James Fearon. Deliberation as discussion. In Jon Elster, editor, *Deliberative democracy*, volume 1. Cambridge University Press, 1998.
3. Catherine Hafer and Dimitri Landa. Deliberation as self-discovery and institutions for political speech. *Journal of Theoretical Politics*, 19(3):329–360, 2007.
4. HOP (15, 20, 24, 25)

Additional Reading

- Amartya K Sen. *The Idea of Justice*. Harvard University Press, 2009. Part IV.
- Joshua Cohen. Deliberation and democratic legitimacy. *Debates in Contemporary Political Philosophy*, page 342, 1989b.
- John Stuart Mill. *Considerations on representative government*. Cambridge University Press, 2010. Chapters 2, 5 and 7.
- Jürgen Habermas. *Moral consciousness and communicative action*. The MIT Press, 1992.
- Christian List. *Deliberation and agreement*. Palgrave Macmillan, 2007.

3 Allocations & Rights

3.1 31 Mar: Fair Divisions & Status Quos

Goal: Assess arguments that introduce, or challenge, the idea that fair outcomes are those that result from bargaining.

1. John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapter 2.
2. Steven J Brams. Fair division. *The Encyclopedia of Public Choice*, pages 572–574, 2003.
3. Ernst Fehr and Klaus M Schmidt. A theory of fairness, competition, and cooperation. *The quarterly journal of economics*, 114(3):817–868, 1999.
4. HOP (26, 29, 30, 31)

Additional Reading

- Edward E Zajac. *Political economy of fairness*. The MIT Press, 1996.

- Richard Bevan Braithwaite. *Theory of Games as a Tool for the Moral Philosopher: An Inaugural Lecture Delivered in Cambridge on 2 December 1954*. University Press, 1955.
- Jon Elster. *Making sense of Marx*. Cambridge University Press, 1985. Chapters 4 and 6.
- ** For data see Abigail Barr.

3.2 07 Apr: Rights and Processes (RT2)

Goal: Assess arguments that suggest, or challenge the consistency of rights based approaches and welfarist desiderata. **RT2:** Design and implement a bargaining or fair division game and assess results in light of the theories studied last week.

1. Amartya K Sen. *The Idea of Justice*. Harvard University Press, 2009. Chapter 14.
2. Allan Gibbard. A pareto-consistent libertarian claim. *Journal of Economic Theory*, 7(4):388–410, 1974.
3. John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998. Chapter 6.
4. HOP (4)

Additional Reading

- Robert Sugden. Liberty, preference, and choice. *Economics and Philosophy*, 1:213–229, 1985.
- Ronald Harry Coase. Problem of Social Cost, The. *JL & econ.*, 3:1, 1960.
- Ken Binmore. *Natural Justice*. Oxford University Press, 2005. Chapter 6.
- Amartya Sen. The Impossibility of a Paretian Liberal. *The journal of political economy*, 78(1):152–157, 1970.

4 Systems

4.1 14 Apr: Repeated Games and the Golden Rule

Goal: Assess arguments that seek to explain cooperation as the result of repeated interaction.

1. David Johnston. *A Brief History of Justice*, volume 10. Wiley. com, 2011.
2. Kenneth A Shepsle and Mark S Bonchek. *Analyzing politics: rationality, behavior and institutions*. New York, 1997. Chapters 8 and 9.
3. H Peyton Young. The economics of convention. *The Journal of Economic Perspectives*, 10(2):105–122, 1996.
4. Derek Parfit. *On what matters: volume one*. Oxford University Press, 2011. Chapter 14.

5. HOP (5, 6)

Additional Reading

- Ken Binmore. *Natural Justice*. Oxford University Press, 2005. Chapters 5 and 7.
- John E Roemer. Kantian equilibrium. *The Scandinavian Journal of Economics*, 112(1): 1–24, 2010.

4.2 21 Apr: Anarchism and Law (RT1)

Goal: Assess arguments that seek to justify or challenge the institution of law. **RT1:** Design and implement a repeated interaction game and assess informational or other conditions under which cooperation can be sustained without external enforcement.

1. Michael Taylor. *Community, anarchy and liberty*. Cambridge University Press, 1982. Chapters 1 and 2
2. Abhinay Muthoo. Stable coalitions in a state of anarchy. *Working Paper*, 2010. URL <http://www.lse.ac.uk/government/research/resgroups/PSPE/pdf/Muthoo.pdf>.
3. Richard H McAdams. A focal point theory of expressive law. *Virginia Law Review*, pages 1649–1729, 2000.

Additional Reading

- David P Gauthier. *Morals by agreement*. Oxford University Press, 1986.
- Roger B Myerson. Justice, institutions, and multiple equilibria. *Chi. J. Int'l L.*, 5:91, 2004.

4.3 28 Apr: Leviathans

Goal: Assess arguments that seek to explain, or to justify, submission to state authority.

1. Michael Taylor. *The possibility of cooperation*. Cambridge University Press Cambridge, 1987. **The state**
2. Kai A Konrad and Stergios Skaperdas. The Market for Protection and the Origin of the State. *Economic Theory*, 50(2):417–443, 2012.
3. Jean Hampton. *Hobbes and the social contract tradition*. Cambridge University Press, 1988.

Additional Reading

- David P Gauthier. *The Logic of Leviathan: the moral and political theory of Thomas Hobbes*. Oxford University Press, 1969.

4.4 05 May: Markets (RT2)

Goal: What special moral considerations are raised by the use of market systems? What ethical theories are consistent with the processes and outcomes implied by free market models.

RT2: Design and implement a game that illustrates conditions under which free exchange leads to social inequality. ** Note: this weeks session may be replaced by a session with student presentations of final projects.

1. Amartya Sen. The Moral Standing of the Market. In Ellen Frankel Paul, Jeffrey Paul, and Fred Dycus Miller, editors, *Ethics and economics*. B. Blackwell for the Social Philosophy and Policy Center, Bowling Green State University, 1985.
2. Allan Gibbard. What's Morally Special About Free Exchange? In Ellen Frankel Paul, Jeffrey Paul, and Fred Dycus Miller, editors, *Ethics and economics*. B. Blackwell for the Social Philosophy and Policy Center, Bowling Green State University, 1985
3. Samuel Bowles. Endogenous preferences: The cultural consequences of markets and other economic institutions. *Journal of economic literature*, 36(1):75–111, 1998.
4. John E Roemer. New directions in the Marxian theory of exploitation and class. *Politics & Society*, 11(3):253–287, 1982.
5. HOP (34)

Additional Reading

- Joseph Raz. *The morality of freedom*. Oxford University Press, 1986. Chapter 8, section 2.
- Joseph E Stiglitz. *Whither socialism?* The MIT Press, 1996. Chapter 14.
- Allen W Wood. Marx on right and justice: a reply to Husami. *Philosophy & Public Affairs*, 8(3):267–295, 1979.
- Albert O Hirschman. Rival views of market society. In Albert O Hirschman, editor, *Rival Views of Market Society and Other Recent Essays*. Harvard University Press, 1992.

References

- Kenneth J Arrow. *Social choice and individual values*, volume 12. Yale university press, 2012.
- Jonathan Baron and Ilana Ritov. Omission bias, individual differences, and normality. *Organizational Behavior and Human Decision Processes*, 94(2):74–85, 2004.
- Ken Binmore. *Natural Justice*. Oxford University Press, 2005.
- Samuel Bowles. Endogenous preferences: The cultural consequences of markets and other economic institutions. *Journal of economic literature*, 36(1):75–111, 1998.
- Richard Bevan Braithwaite. *Theory of Games as a Tool for the Moral Philosopher: An Inaugural Lecture Delivered in Cambridge on 2 December 1954*. University Press, 1955.
- Steven J Brams. Fair division. *The Encyclopedia of Public Choice*, pages 572–574, 2003.
- Colin Camerer. *Behavioral game theory: Experiments in strategic interaction*. Princeton University Press, 2003.
- Ronald Harry Coase. Problem of Social Cost, The. *JL & econ.*, 3:1, 1960.
- Gerald A Cohen. On the currency of egalitarian justice. *Ethics*, 99(4):906–944, 1989a.
- Joshua Cohen. Deliberation and democratic legitimacy. *Debates in Contemporary Political Philosophy*, page 342, 1989b.
- Martin Daly and Margo Wilson. Evolutionary social psychology and family homicide. *Science*, 1988.
- Richard Dawkins. *The selfish gene*. Oxford university press, 2006.
- Eddie Dekel, Jeffrey C Ely, and Okan Yilankaya. Evolution of preferences. *The Review of Economic Studies*, 74(3):685–704, 2007.
- Peter DeScioli and Robert Kurzban. Mysteries of morality. *Cognition*, 112(2):281–299, 2009.
- Peter DeScioli and Robert Kurzban. A solution to the mysteries of morality. *Psychological Bulletin*, 139(2), 2012.
- Avinash K Dixit and Barry J Nalebuff. *The Art of Strategy: a Game Theorist’s Guide to Success in Business & Life*. WW Norton & Company, 2008.
- John S Dryzek, Christian List, et al. Social choice theory and deliberative democracy: a reconciliation. *British Journal of Political Science*, 33(1):1–28, 2003.
- Ronald Dworkin. What is equality? part 2: Equality of resources. *Philosophy & Public Affairs*, 10(4):283–345, 1981.
- Jon Elster. *Making sense of Marx*. Cambridge University Press, 1985.
- Jon Elster. *Explaining social behavior: More nuts and bolts for the social sciences*. Cambridge University Press, 2007.

- Jon Elster and John E Roemer. *Interpersonal comparisons of well-being*. Cambridge University Press, 1993.
- James Fearon. Deliberation as discussion. In Jon Elster, editor, *Deliberative democracy*, volume 1. Cambridge University Press, 1998.
- Ernst Fehr and Simon Gächter. Altruistic punishment in humans. *Nature*, 415(6868):137–140, 2002.
- Ernst Fehr and Klaus M Schmidt. A theory of fairness, competition, and cooperation. *The quarterly journal of economics*, 114(3):817–868, 1999.
- David P Gauthier. *The Logic of Leviathan: the moral and political theory of Thomas Hobbes*. Oxford University Press, 1969.
- David P Gauthier. *Morals by agreement*. Oxford University Press, 1986.
- Allan Gibbard. A pareto-consistent libertarian claim. *Journal of Economic Theory*, 7(4): 388–410, 1974.
- Allan Gibbard. What’s Morally Special About Free Exchange? In Ellen Frankel Paul, Jeffrey Paul, and Fred Dycus Miller, editors, *Ethics and economics*. B. Blackwell for the Social Philosophy and Policy Center, Bowling Green State University, 1985.
- Jesse Graham, Jonathan Haidt, and Brian A Nosek. Liberals and conservatives rely on different sets of moral foundations. *Journal of personality and social psychology*, 96(5):1029, 2009.
- Joshua D Greene, Sylvia A Morelli, Kelly Lowenberg, Leigh E Nystrom, and Jonathan D Cohen. Cognitive load selectively interferes with utilitarian moral judgment. *Cognition*, 107(3):1144–1154, 2008.
- Bernard Grofman and Scott L Feld. Rousseau’s general will: a condorcetian perspective. *The American Political Science Review*, pages 567–576, 1988.
- Werner Güth. An evolutionary approach to explaining cooperative behavior by reciprocal incentives. *International Journal of Game Theory*, 24(4):323–344, 1995.
- J Rgen Habermas. *Moral consciousness and communicative action*. The MIT Press, 1992.
- Catherine Hafer and Dimitri Landa. Deliberation as self-discovery and institutions for political speech. *Journal of Theoretical Politics*, 19(3):329–360, 2007.
- Jean Hampton. *Hobbes and the social contract tradition*. Cambridge University Press, 1988.
- John C Harsanyi. Cardinal utility in welfare economics and in the theory of risk-taking. *The Journal of Political Economy*, 61(5):434, 1953.
- Albert O Hirschman. Rival views of market society. In Albert O Hirschman, editor, *Rival Views of Market Society and Other Recent Essays*. Harvard University Press, 1992.
- Francis Hutcheson. *Illustrations on the moral sense*. 1728.

- C JJ, Anthony Quinton, and Bernard Williams. *Utilitarianism: for and against*. Cambridge Univ Press, 1987.
- David Johnston. *The idea of a liberal theory: A critique and reconstruction*. Cambridge Univ Press, 1994.
- David Johnston. *A Brief History of Justice*, volume 10. Wiley. com, 2011.
- Richard Joyce. *The evolution of morality*. The MIT Press, 2006.
- Immanuel Kant. *Groundwork for the Metaphysics of Morals*. Yale University Press, 2002.
- Kai A Konrad and Stergios Skaperdas. The Market for Protection and the Origin of the State. *Economic Theory*, 50(2):417–443, 2012.
- Christian List. *Deliberation and agreement*. Palgrave Macmillan, 2007.
- John Mackie. *Ethics: Inventing right and wrong*. Penguin UK, 1990.
- Richard H McAdams. A focal point theory of expressive law. *Virginia Law Review*, pages 1649–1729, 2000.
- John Stuart Mill. *Utilitarianism*, volume 7. Bobbs-Merrill, 1971.
- John Stuart Mill. *Considerations on representative government*. Cambridge University Press, 2010.
- Abhinay Muthoo. Stable coalitions in a state of anarchy. *Working Paper*, 2010. URL <http://www.lse.ac.uk/government/research/resgroups/PSPE/pdf/Muthoo.pdf>.
- Roger B Myerson. *Game Theory: Analysis of Conflict*. Harvard University Press, 1997.
- Roger B Myerson. Justice, institutions, and multiple equilibria. *Chi. J. Int'l L.*, 5:91, 2004.
- Martin J Osborne. *An Introduction to Game Theory*. Oxford University Press New York, 2004.
- Derek Parfit. *Reasons and Persons*. Oxford University Press, 1984.
- Derek Parfit. *On what matters: volume one*. Oxford University Press, 2011.
- Jessica Pierce and Marc Bekoff. Wild justice redux: What we know about social justice in animals and why it matters. *Social Justice Research*, 25(2):122–139, 2012.
- John Rawls. *A Theory of Justice*. Belknap Press, 1999.
- Joseph Raz. *The morality of freedom*. Oxford University Press, 1986.
- John E Roemer. New directions in the Marxian theory of exploitation and class. *Politics & Society*, 11(3):253–287, 1982.
- John E Roemer. *A future for socialism*. Harvard University Press, 1994.
- John E Roemer. *Theories of distributive justice*. Harvard University Press, 1998.

- John E Roemer. Egalitarianism against the veil of ignorance. *The Journal of philosophy*, 99 (4):167–184, 2002.
- John E Roemer. Kantian equilibrium. *The Scandinavian Journal of Economics*, 112(1):1–24, 2010.
- Walter G Runciman and Amartya K Sen. Games, justice, and the general will. *Mind*, 74(296): 554–562, 1965.
- Thomas Scanlon. The moral basis of interpersonal comparisons. In Jon Elster and John E Roemer, editors, *Interpersonal comparisons of well-being*. Cambridge University Press, 1993.
- Amartya Sen. The Impossibility of a Paretian Liberal. *The journal of political economy*, 78 (1):152–157, 1970.
- Amartya Sen. On weights and measures: informational constraints in social welfare analysis. *Econometrica: Journal of the Econometric Society*, pages 1539–1572, 1977.
- Amartya Sen. Personal utilities and public judgements: or what’s wrong with welfare economics. *The economic journal*, pages 537–558, 1979a.
- Amartya Sen. Utilitarianism and welfarism. *The Journal of Philosophy*, 76(9):463–489, 1979b.
- Amartya Sen. The Moral Standing of the Market. In Ellen Frankel Paul, Jeffrey Paul, and Fred Dycus Miller, editors, *Ethics and economics*. B. Blackwell for the Social Philosophy and Policy Center, Bowling Green State University, 1985.
- Amartya K Sen. Capability and well-being. In Martha C Nussbaum, Amartya K Sen, and Robert Sugden, editors, *The quality of life*. Clarendon Press Oxford, 1993.
- Amartya K Sen. *The Idea of Justice*. Harvard University Press, 2009.
- Rajiv Sethi and E Somanathan. Preference evolution and reciprocity. *Journal of economic theory*, 97(2):273–297, 2001.
- Kenneth A Shepsle and Mark S Bonchek. *Analyzing politics: rationality, behavior and institutions*. New York, 1997.
- Adam Smith. *The theory of moral sentiments*. Penguin, 2010.
- Joseph E Stiglitz. *Whither socialism?* The MIT Press, 1996.
- Robert Sugden. Liberty, preference, and choice. *Economics and Philosophy*, 1:213–229, 1985.
- Michael Taylor. *Community, anarchy and liberty*. Cambridge University Press, 1982.
- Michael Taylor. *The possibility of cooperation*. Cambridge University Press Cambridge, 1987.
- Judith Jarvis Thomson. Killing, letting die, and the trolley problem. *The Monist*, 59(2): 204–217, 1976.

Michael R Waldmann and Jörn H Dieterich. Throwing a bomb on a person versus throwing a person on a bomb intervention myopia in moral intuitions. *Psychological science*, 18(3): 247–253, 2007.

Allen W Wood. Marx on right and justice: a reply to Husami. *Philosophy & Public Affairs*, 8(3):267–295, 1979.

H Peyton Young. The economics of convention. *The Journal of Economic Perspectives*, 10 (2):105–122, 1996.

Edward E Zajac. *Political economy of fairness*. The MIT Press, 1996.