

DOWNLOAD PDF MCGREW, ALSPECTOR-KELLY AND ALLHOFF : THE PHILOSOPHY OF SCIENCE : AN HISTORICAL

Chapter 1 : Philosophy of Science PDF Timothy McGrew, Marc Alspector-Kelly, Fritz Allhoff

Unmatched in breadth and depth, and offering extensive and accessible commentary, Philosophy of Science: An Historical Anthology is a comprehensive work that will take the reader on a grand tour of the philosophy of science from antiquity to the modern age.

Despite the status that these inquiries realized in the 20th century, they have long traditions. Scientists since antiquity have investigated, not just the natural order that is their primary subject matter, but also the nature of scientific inquiry itself. An Historical Anthology represents primary source material from throughout this tradition, as well as extensive commentary reflecting upon those materials. By combining excerpts from key historical writings with insightful running commentary by experts, this distinctive new volume points out the common strands running through some 2, years of scientific and philosophical debate. Beginning with the Ancient Greeks, Part 1 begins by examining the roots of ancient and medieval philosophy of science before proceeding to the Scientific Revolution, with extensive coverage of scientists like Copernicus, Kepler, Galileo, and Newton as well as classic modern philosophers like Descartes, Hume, and Kant. Part 1 concludes with a generous survey of 19th and early 20th century philosophers and scientists such as Herschel, Lyell, Darwin, Peirce and Einstein. Part 2 covers the 20th-century philosophy of science, first laying out the foundations of logical positivism and the emergence of the "received view" and then tracing challenges to the received view and the impact of that downfall on issues in contemporary philosophy of science, such as confirmation and observation, methodology, and realism. Unmatched in breadth and depth, and offering extensive and accessible commentary, Philosophy of Science: An Historical Anthology is a comprehensive work that will take the reader on a grand tour of the philosophy of science from antiquity to the modern age. Its Size, Shape, and Immobility: Georg Joachim Rheticus 2. Its Scope and Limits: Gottfried Wilhelm Leibniz 3. John Stuart Mill 4. Charles Sanders Peirce 4. Confirmation and Observation 6. The Realism Debate 9. Bas van Fraassen 9. Arthur Fine Trama By combining excerpts from key historical writings with commentary by experts, Philosophy of Science: An Historical Anthology provides a comprehensive history of the philosophy of science from ancient to modern times.

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Chapter 2 : PHIL History and Philosophy of Science, Part I

It would work very well in undergraduate courses in which historical approaches to the philosophy of science are explored because students unfamiliar with debates in the history of science would receive a much-needed introduction through the editorial commentary.

This course is an exploration of themes in the history and philosophy of science, with special attention to the life and work of Aristotle, Ptolemy, Copernicus, Tycho, Kepler and Galileo. In order to keep the course within manageable bounds, we will focus primarily on astronomy and dynamics, though there will be interesting sidelights thrown on mathematics as well as biology, chemistry and other branches of science. This course meets Tuesday and Thursday of each week from 2: I expect you to arrive on time; a pattern of late arrival will be reflected in your course grade. Late assignments cannot be made up without a medical excuse except in very unusual situations. Because important material for papers and quizzes may be presented in class lecture that cannot be found elsewhere, it is imperative that you come to class and take careful notes. You are responsible to obtain notes from another student in the class if you miss a day. Attendance and quality but not necessarily quantity of class participation are taken into account in the determination of the final grade. In particular, I reserve the right to subtract half of a letter grade from the final grade for each unexcused absence beyond the third. If you must miss class because of a medical or family emergency, please let me know at the earliest possible time and provide written documentation. There is a fair amount of reading assigned for this course. This includes a large number of primary sources—documents that were written by philosophers and scientists to describe their speculations and experiments rather than simplifications written by journalists or popularizers. These are the documents from which the history of science is constructed. Most of them do not require specialized knowledge beyond the occasional use of a bit of geometry or high school algebra, but they do require concentration. Students are expected to come to class having already done the reading indicated on the syllabus and may be subjected to unannounced quizzes on that material. The use of electronic communications and media devices, including but not limited to CD players, iPods, handheld games, cell phones, and laptop computers, is forbidden during class time. Digital or tape recording devices may be used to record class lectures and discussion with the permission of the instructor. Cell phones must be turned off. If your cell phone rings during class, you will be required—without answering it—to speak for five minutes regarding the assigned reading for the day, and the quality of your presentation will be taken into account in the determination of your final grade for the course. You are responsible for making yourself aware of and understanding the academic policies and procedures in the Undergraduate Catalog <http://www.berkeley.edu/undergraduate>: These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity, and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Judicial Affairs. You will be given the opportunity to review the charges. If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test. Any student with a documented disability e. Beth Denhartigh at or at beth. A disability determination must be made by this office before any accommodations are provided by the instructor. There will be seven scheduled assignments for this course, consisting of three essays and four sets of reading questions. These assignments will contribute toward your final grade according to the following weights:

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Chapter 3 : ISBN - Philosophy of Science : An Historical Anthology Direct Textbook

Timothy McGrew is Professor and Chairman of the Department of Philosophy at Western Michigan University. Marc Alspector-Kelly is Associate Professor of Philosophy at Western Michigan University. Fritz Allhoff is Assistant Professor of Philosophy, Adjunct Assistant Professor at the Mallinson Institute for Science Education, and Director of the.

Philosophy Of Science Back cover copy Philosophy of science came into its own in the 20th century, but the issues at the heart of the subject have been indiscussion since antiquity. An HistoricalAnthology combines excerpts from key historical writings withinsightful commentary to provide a text that distinctivelyfollows strands of scientific inquiry, investigation, and debatefor the past 2, years. Beginning with the Ancient Greeks, Part Iexamines the roots of ancient and medieval philosophy of sciencebefore proceeding to the scientific revolution, with extensivecoverage of such scientists as Copernicus, Kepler, Galileo, andNewton as well as modern philosophers including Descartes, Hume, and Kant. Part II covers philosophy of science in the 20th century, first laying out the fundamental doctrines of the highlyinfluential logical positivist movement and the emergence of its "received view" of scientific theories. It then traces thechallenges to the received view and the impact of those challengeson issues in contemporary philosophy of science such asconfirmation and observation, methodology, and realism. Unmatched in breadth and depth, Philosophy of Science: AnHistorical Anthology is a comprehensive work that will take thereader on a grand tour of the philosophy of science from antiquityto the modern age. Its Size, Shape, and Immobility: Georg Joachim Rheticus 2. Its Scope and Limits: Gottfried Wilhelm Leibniz 3. John Stuart Mill 4. Charles Sanders Peirce 4. Confirmation and Observation 6. The Realism Debate 9. Bas van Fraassen 9. Arthur Fine show more Review quote "The introductions, which occupy one-sixth of the volume, are carefully, clearly, and at times even beautifully written. Perhaps most important, they are always intelligently sympathetic to the authors whose views they are presenting. The commentary is thorough and clear enough to make the readings accessible to students, but not so imposing that instructors cannot add their own interpretation. This book would be suitable for advanced undergraduates who have completed previous coursework in history or philosophy.

Chapter 4 : Philosophy of Science: An Historical Anthology - Google Books

Philosophy of Science: An Historical Anthology consists of 82 excerpts of significant science and philosophy of science texts from antiquity through the twentieth century, as well as substantial commentary intended to make the excerpts accessible to students with little or no background in history.

Chapter 5 : Philosophy of Science : Timothy McGrew :

Philosophy of Science: An Historical Anthology (Blackwell Philosophy Anthologies) by Editor-Timothy McGrew; Editor-Marc Alspector-Kelly; Editor-Fritz Allhoff. Wiley-Blackwell, Paperback.

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