Kant on Proper Science - Hein van den Berg 2013-10-08 This book provides a novel treatment of Immanuel Kant’s views on proper natural science and biology. The status of biology in Kant’s system of science is often taken to be problematic. By analyzing Kant’s philosophy of biology in relation to his conception of proper science, the present book determines Kant’s position on scientific biology. By focusing on a series of philosophical and scientific texts, the book establishes important interconnections between Kant’s philosophy of science, his views on biology, and his reception of late eighteenth century biological theories. It discusses Kant’s views on science and biology as articulated in his published writings and in the Opus postumum. The book shows that although biology is a non-mathematical science and the relation between biology and other natural sciences is not specified, Kant did allow for the possibility of providing scientific explanations in biology and assigned biology a specific domain of investigation.

Kant on Proper Science - Hein Berg 2011

Kant’s Theory of Biology - Ugo Cremona 2014-02-07 During the last twenty years, Kant’s theory of biology has increasingly attracted the attention of scholars and developed into a field which is growing rapidly in importance within Kant studies. The volume presents fifteen interpretative essays by writers working in the field, covering topics from seventeenth- and eighteenth-century biological theories, the development of the philosophy of biology in Kant’s writings, the theory of organisms in Kant’s Critique of the Power of Judgment, and current perspectives on the teleology of nature.

Ecological Investigations - Adam C. Konopka 2019-09-09 These investigations identify and clarify some basic assumptions and methodological principles involved in ecological investigations of the eighteenth and early nineteenth centuries. The book argues that Romantic Naturalphilosophy played a crucial role in the rise of biology in Germany, especially thanks to its treatment of teleology. In fact, both post-Kantian philosophers and naturalists were guided by teleological principles in defining the object of biological research. The book begins by considering the problem of generation, focusing on the debate over the notion of “formative force.” Readers are invited to engage with the epistemological status of this formative force, i.e. the question of the principle behind organization. The second chapter provides a reconstruction of the physiology of vital forces as it was elaborated in the mid- to late-eighteenth century by the group of physicians and naturalists known as the “Göttingen School.” Readers are shown how these authors developed an understanding of the animal kingdom as a graded series of organisms with increasing functional complexity. Chapter three treats the development of such framework in Romantic Naturalphilosophy. The author introduces the reader to the problem of classification, showing how Romantic philosophers of nature regarded classification as articulated by a unified plan that connects all living forms with one another, relying on the idea of living nature as a universal organism. In the closing chapter, this analysis shows how the three instances of pre-biological discourse on living beings—of generation, physiology, and natural history—converged to form the consolidated disciplinary matrix of a general biology. The book offers an insightful read for all scholars interested in classical German philosophy, especially those researching the philosophy of nature, as well as those researching the history of science, the philosophy and history of biology.

Kant and the Sciences - Eric Weikens 2001-02-15 Kant and the Sciences aims to reveal the deep unity of Kant’s conception of science as it bears on the particular aspect of his system of philosophy. It brings together for the first time twelve essays by leading Kant scholars that take into account Kant’s conception of a wide variety of scientific disciplines, including physics, chemistry, biology, psychology, and anthropology.

The Gestation of German Biology - John J. Ziman 2017-12-18 This book explores how and when biology emerged as a science in Germany. Beginning with the debate about organism between Georg Ernst Stahl and Gottfried Leibniz at the start of the eighteenth century, John Ziman traces the development of a new research program, culminating in 1800, in the formulation of developmental morphology. He shows how the course of the century, naturalists undertook to transform some domains of natural history into a distinct branch of natural philosophy, which attempted not only to describe but to explain the natural world and become, ultimately, the science of biology.

The Bloomsbury Companion to Kant and the Sciences - Robert Audi 2015-09-08 The Bloomsbury Companion to Kant and the Sciences is the first book-length companion to cover all aspects of Kant’s philosophy of the natural sciences. It covers every aspect of his philosophy. The Bloomsbury Companion to Kant presents a comprehensive overview of the historical and philosophical context in which Kant wrote and the various features, themes and topics apparent in his thought. It also includes extensive synopses of all his major published works and a survey of the key lines of research and influence including a new addition on Schopenhauer’s reception of Kant. It concludes with a thorough bibliography of English language secondary literature, now expanded for this edition to include all cutting-edge publications in the area. This is an essential and practical research tool for those working in the field of eighteenth-century German philosophy and Kant.

Kant on Proper Science - John H. Zammito 2017-02-13 This book presents a comprehensive overview of the development of the philosophy of biology in Kant’s writings. It seeks to establish the place of biology in a Kantian framework, with particular emphasis on the role of biology in Kant’s conception of proper science. The book argues that Kant’s philosophy of biology is a systematic and thorough-going attempt to establish the nature of the natural world and to provide a coherent account of its structure and function. The book also provides a detailed analysis of Kant’s philosophy of biology, including its historical context, its relationship to other areas of Kant’s philosophy, and its implications for the development of the philosophy of biology.

Historical Dictionary of Kant and Kantianism - Vicenç Morfret 2020-07-36 Immanuel Kant was one of the most significant philosophers of the modern age. Historical Dictionary of Kant and Kantianism, Second Edition contains a chronology, an introduction, appendixes, and an extensive bibliography. The dictionary section includes a basic name list and lists of selected works, major works, and secondary works for each philosopher. It also includes a major work section for each philosopher, including comprehensive bibliographies. The dictionary section also provides a brief introduction to each philosopher, giving the reader an overview of their major works and central concepts in their philosophy, followed by an extensive list of terms, concepts, and works specific to the philosopher. This edition provides an excellent foundation for further reading, especially on the relation of these thinkers to Kant himself. This book is an excellent resource for students, researchers, and anyone wanting to know more about Immanuel Kant.

Ernst Nagel: Philosophy of Science and the Fight for Clarity - Matthias Neuber 2019-10-06 This book presents a biography of Nagel, a pivotal figure in the history of philosophy of science. It covers Nagel’s life and work, focusing on his contributions to the philosophy of science, including his role in the early development of the field and his later work on the foundations of quantum mechanics. The book also discusses Nagel’s influence on later philosophers of science, including his role in the development of the philosophy of science as a distinct discipline. Nagel’s influence on the philosophy of science is also discussed, with a focus on his contributions to the philosophy of science as a whole and his role in the development of the field. The book concludes with a discussion of Nagel’s legacy and its implications for the future of the philosophy of science.
The Force of an Idea: Saul of Freiberg Krauss 2021 This book presents, for the first time in English, a comprehensive anthology of essays on Christian Wolff's psychology written by leading international scholars. Christian Wolff is one of the towering figures in 18th-century Western thought. In the last decades, the publication of Wolff's Gesammelte Werke by Jean Écoute and collaborators has aroused new interest in his ideas, but the meaning, scope, and impact of his psychological program have remained open to close and comprehensive analysis and discussion. That is what this volume aims to do. This is the first volume in English completely devoted to Wolff's efforts to formulate empirical and rational psychology, against the backdrop of his understanding of scientific method in metaphysics. Wolff thereby paved the way to the idea of a scientific psychology. The book is divided into two parts. The first one covers the theoretical and historical meaning and scope of Wolff's psychology, both in its internal structure and in its relation to other parts of his philosophical system, such as logic, cosmology, ethics, or practical philosophy. The second part deals with the reception and impact of Wolff's psychology, starting with early reactions from his disciples and opponents, and moving on to Kant, Hegel, and Nietzsche. This volume is a major contribution to the understanding of Wolff's psychology as a whole, and in particular as an ongoing source of inspiration for the development of modern psychology.

Bioscience-Achim von Cramm, Sarah Kell, and Nikolas Rose 2017-10-15 In recent years, bioscience has used the latest discoveries in evolutionary studies and neuroscience to provide new ways of looking at art and aesthetics. Carsten Strathern's remarkable exploration of this emerging field in the first comprehensive account of its ideas, as well as a timely critique of its limitations. Strathern familiarizes readers with the basics of bioscience, grounding them in its philosophical underpinnings while elucidating its key components. Importantly, the book brings into the long-standing problem of the “two cultures” that separate the arts and the sciences. Seeking to make bioscience a more coherent and culturally relevant way of thinking, Strathern then critiques it for failing to account for science’s historical and cultural assumptions. At its worst, he says, bioscience vertigo draws on a plethora of mixed-up scientific and philosophical sources. Written with a sensitive understanding of science’s strengths and pitfalls, it sets out to redescribe its underlying assumptions.

Kant’s Theory of Natural Science Peter U. Baumann 2012-12-02 The aim of this book is to provide a comprehensive analysis of the The Critique of Pure Reason, and to reveal that Kant’s philosophy of science is not as limited and exclusionary as it is often portrayed. In this book, Baumann examines Kant’s philosophy of science in the context of his broader philosophy of nature, and shows how his ideas have influenced the development of modern science.

Beyond Mechanism - Brie H. Gunther 2013-02-01 This book is an exploration of the role of new theories in biology, and the way they influence the way we understand the human body. The book discusses the ways in which new theories in biology, such as the theory of evolution, have influenced the way we understand the human body. The book also explores the ways in which new theories in biology have influenced the way we understand the human mind.

Kant: A New Introduction- Arthur Danto 2013 Kant’s philosophy is a cornerstone of modern philosophy and has had a profound influence on the development of ideas about science, technology, and society. In this new introduction to Kant’s philosophy, Arthur Danto provides a comprehensive and accessible overview of Kant’s ideas, their historical context, and their relevance for contemporary debates. The book is divided into three parts: the first part covers the key concepts and themes in Kant’s philosophy, the second part explores the impact of Kant’s ideas on the development of modern science and technology, and the third part examines the relevance of Kant’s ideas for contemporary debates. This new introduction to Kant’s philosophy is an invaluable resource for students and scholars of philosophy, science, and technology.

The Nature of Life—Mark A. Bedau 2018-11-22 This book provides a comprehensive and accessible introduction to the fundamental questions about the nature of life. It covers the major philosophical and scientific debates about the nature of life, including discussions of the definition of life, the origins of life, and the nature of life in the universe. The book also explores the ways in which the concept of life has been used in scientific and philosophical discourse, and the implications of these ideas for our understanding of the universe.

Philosophy of Science and Technology-Debra Budin 2021-05-25 This book provides a comprehensive and accessible introduction to the philosophy of science and technology. It covers the major philosophical debates about the nature of scientific knowledge, the role of technology in society, and the relationship between science and ethics. The book also explores the ways in which the philosophy of science and technology has been used to address contemporary issues, such as the impacts of technology on society, the ethics of scientific research, and the role of science in shaping public policy.