

SIOC 209 Subversive Science

Tue/Thurs 1100-1220 Spring Quarter 2024

Spiess Hall Room 303 on the SIO Campus

Western science originated and developed within societies characterized by concentrations of power and wealth, anti-Blackness and racism, cis-heteropatriarchy, exploitation of the more-than-human world and marginalized human populations, and associated injustices. SIOC 209 Subversive Science explores how justice might be foregrounded in the Earth and Oceanographic sciences using recent scholarship and experience with how to do so from a range of perspectives.

The course will consist of three main sections:

- 1) Summary of historical connections between science and systems of exploitation and extraction resulting in injustices, using reading selections and class discussions.
- 2) Detailed study of methods for foregrounding justice in scientific practice grounded in historical and recent experience (including Indigenous Environmental Science, Fugitive Science, Slow Science, Solidarity Science, Black Physics, Critical Environmental Justice, the CLEAR Lab, and Abolition Science) – small student groups will research and present on each method.
- 3) Exploration of the application of these methods to students' ongoing or planned future research, culminating in final project presentations.

GOVERNMENT ADVISORY SUBVERSIVE CONTENT



particlesforjustice.org



unistoten.camp/supporter toolkit2020/

Why "Subversive Science"?

Subversion is the "undermining of the power and authority of an established system or institution." The inspiration for using subversive in the title of this course comes from Fugitive Science, where Black amateur scientists were working to undermine the power and authority of racial science in the scientific establishment of the day (pre-civil war US) by creating alternative ways of conducting science that foregrounded justice. This idea captures the goals of SIOC 209 Subversive Science, to help students to explore methods for undermining the power and authority of unjust practices in science by creating alternatives.

For further information,
contact bt werner bwerner@ucsd.edu
or visit the course web site:
courses.complex-systems-laboratory.org/sioc209

SALT TO STARS

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Subversive Science

Michal Rosen-Zvi

Subversive Science:

The Subversive Science Paul Shepard,1969 Population explosion pollution suburban sprawl death of the city the vanishing wilderness we keep hearing of these threats but usually manage to ignore them In this book we find instead a number of clear calm discussions of environmental problems providing information and ideas without excessive emotional appeal The 37 papers chosen from a wide variety of journals such as Human Biology Daedalus Landscape American Scientist are obviously intended for the nonspecialist intelligent reader They are divided into five groups of which the first deals with population problems both human and animal The Environmental Encounter is the title of a group of papers discussing man's reaction to his environment what he sees and the way he feels about it Here are included comments on American front yards the shapes of roofs in different European countries the importance of sacred places and an essay by Alan Watts reprinted from The Psychedelic Review The third and fourth sections are called Man and Other Organisms and Man in Ecosystems Here we learn about the domestication of cattle sidelights on evolution Ren Dubos comments on the germ theory the possible unexpected effects of pesticides and radiation A hopeful note appears in a discussion of the use of solar energy The final part called Ethos Ecos and Ethics includes more philosophical commentaries Especially interesting is a discussion by Lynn White of the historical roots of our ecologic crisis from a review by Marjorie C Meehan in jama.jamanetwork.com/article.aspx?articleid=345416

The Subversive Science Paul Shepard,Daniel McKinley,1966

The Subversive Science Paul

Shepard,1969 **What is Environmental History?** Johnson Donald Hughes,2006-12-08 What is environmental history It is

a kind of history that seeks understanding of human beings as they have lived worked and thought in relationship to the rest of nature through the changes brought by time In this seminal student textbook J Donald Hughes provides a masterful overview of the thinkers topics and perspectives that have come to constitute the exciting discipline that is environmental history He does so on a global scale drawing together disparate trends from a rich variety of countries into a unified whole illuminating trends and key themes in the process Those already familiar with the discipline will find themselves invited to think about the subject in a new way Students and scholars new to environmental history will find the book both an indispensable guide and a rich source of inspiration for future work

Companion to Environmental Thought Peter

Hay,2019-07-30 A Companion to Environmental Thought sets out to introduce the many strands of thought within the western environment movement It provides a comprehensive overview of the complex and endlessly transforming state of western environmentalism surveying the main strands of thought from the fields of politics philosophy religion and economics Peter Hay presents the major issues debated in these fields by environmentalists and also by their opponents Each chapter covers the main strands of thought in detail and also includes the seminal contributions from any sub strands Each chapter concludes with a section considering the problems that face the particular line of thought presented With its broad ranging coverage this book is likely to become a core textbook on all environment related courses

LIFE ,1970-07-10 LIFE

Magazine is the treasured photographic magazine that chronicled the 20th Century It now lives on at LIFE com the largest most amazing collection of professional photography on the internet Users can browse search and view photos of today s people and events They have free access to share print and post images for personal use **Faith in America** Charles H. Lippy,2006-09-30 Over the last 25 years there has been much talk of the presumed decline in religious participation in America In addition from the 1960s on surveys that mark the influence of religion in American life have shown a mixed response Many suggest that religion is losing influence in the culture as a whole others indicate that while organized religion may be experiencing challenges spirituality is on the upswing At the same time however there have been signs that religious life in the U S is extraordinarily healthy But religion in America has changed to be sure in a number of ways And it has changed us and our culture in return This timely set looks at the major forces that are changing the shape of religion in American life With an influx of immigrants from Asia Latin America and other regions the diversity of religion has grown to include Buddhism Hinduism Islam and other faiths Latin American and African American communities have experienced changes in the ways they practice their faith and in turn influence American culture in general Women have entered the clergy in record numbers and the push for allowing women and gays to enter the clergy in religions that limit or prohibit their roles is on the increase In addition gay couples are leading the same sex marriage movement and other social issues such as abortion stem cell research end of life care etc are still being debated Interest over how people actually live out their religion or spirituality has mushroomed in recent decades thanks in part to the information revolution and popular culture What folks do when they gather together to worship and where they come together has changed dramatically with the advent of the Internet and the role of sports in American life So much has changed and faith in America has become more important than ever as part of our culture our way of life and the way we relate to each other and the world around us The essays found in these pages shed light on our understanding of these transformations and help us comprehend the enormous role of religion in our society and in our world **The Organon, Or Logical Treatises, of Aristotle** Aristotle,1893 **Main Currents in Western Environmental Thought** Peter Hay,P. R. Hay,2001 This book is a major work in the field of environmental philosophy that sets out to describe and explain the many strands of thought that underlie and support the environment movement Author Peter Hay says his aim in writing the book has been to provide a faithful account of the main feeder streams that flow into the swift running river of Western environmental thought In his home state of Tasmania Hay is well known as a poet and his lyrical style gives the book a fresh timeless style This book will attract significant interest from members of the environmental activist community and those interested in environmental and philosophy literature As a text or reference work the book is likely to be used in upper level tertiary courses in Environmental Studies It will also have significant trans disciplinary relevance in Politics and Government Philosophy and Religion Sociology Cultural Studies

Geography and Resource management

Religion and the Environment: Connections: science, ethics,

eco-feminism, consumerism, sustainability and spirituality Roger S. Gottlieb,2010 In the last two decades a new form of religiously motivated social action and a virtually new field of academic study each based in recognition of the connections between religion and humanity s treatment of the environment have developed Interactions between religion and environmental concern have been manifest in the explosive growth of ecotheological writings institutional commitment by organized religions and environmental activism explicitly oriented to religious ideals Clergy throughout the world in virtually every denomination have received word from leaders of their religion that the environment no less than sexuality poverty or war and peace is now a basic and compelling religious matter Out of this confrontation have been born vital new theologies based in the recovery of marginalized elements of tradition profound criticisms of the past and ecologically oriented visions of God the Sacred the Earth and human beings Theologians from every religious tradition along with dozens of non denominational spiritual writers have confronted world religions past attitudes towards nature In the realm of institutional commitment public statements and actions by organized religions have grown dramatically In the context of political action throughout the U S and the world religiously oriented groups take part in environmentally oriented political action from lobbying and consciousness raising to activist demonstrations and civil disobedience This collection serves as a comprehensive introduction overview and in depth account of these exciting new developments The four volumes cover virtually every aspect of the field from theological change and institutional commitment to innovation in liturgy from new ecumenical connections among different religions and between religion science and environmental movements from religious participation in environmental politics to an account of the global social and political contexts in which religious environmentalism has unfolded

The subversive science: essays toward an ecology of man, ed Paul Shepard,Daniel McKinley, **The Organon** Aristotle,1908 **New Catholic World** ,1878 **A Scientific Demonstration of the Future Life** Thomson Jay Hudson,1896 *Dictionary Catalog of the Department Library* United States. Department of the Interior. Library,1969 **Environmental Science** Daniel D. Chiras,1991 Morality in the Modern World Lawrence LeRoy Habermehl,1976 Brain ,1880 *Theoretical Aspects of Participation Action Research* Orlando Fals-Borda,1980

Civilization Considered as a Science, in Relation to Its Essence, Its Elements, and Its End George Harris (Barrister-at-Law.),1872

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Subversive Science Introduction

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