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MARQUISE SLADE

The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education CRC Press

Specialists in interdisciplinary studies, either as teachers or administrators, offer advice to new and experienced faculty members teaching a no-trump course, primarily at the undergraduate level. They address such questions as how faculty can best prepare, how to ensure excellence in learning, and the foundational tenets in interdisciplinary teaching. Annotation copyrighted by Book News, Inc., Portland, OR.

Interdisciplinary Undergraduate Programs College Board

In the United States, broad study in an array of different disciplines — arts, humanities, science, mathematics, engineering — as well as an in-depth study within a special area of interest, have been defining characteristics of a higher education. But over time, in-depth study in a major discipline has come to dominate the curricula at many institutions. This evolution of the curriculum has been driven, in part, by increasing specialization in the academic disciplines. There is little doubt that disciplinary specialization has helped produce many of the achievements of the past century.

Researchers in all academic disciplines have been able to delve more deeply into their areas of expertise, grappling with ever more specialized and fundamental problems. Yet today, many leaders, scholars, parents, and students are asking whether higher education has moved too far from its integrative tradition towards an approach heavily rooted in disciplinary "silos". These "silos" represent what many see as an artificial separation of

academic disciplines. This study reflects a growing concern that the approach to higher education that favors disciplinary specialization is poorly calibrated to the challenges and opportunities of our time. The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education examines the evidence behind the assertion that educational programs that mutually integrate learning experiences in the humanities and arts with science, technology, engineering, mathematics, and medicine (STEMM) lead to improved educational and career outcomes for undergraduate and graduate students. It explores evidence regarding the value of integrating more STEMM curricula and labs into the academic programs of students majoring in the humanities and arts and evidence regarding the value of integrating curricula and experiences in the arts and humanities into college and university STEMM education programs.

Introduction to Integrative Studies Teachers College Press

This book provides a fascinating reading experience for anyone interested in an inquiring relationship between technical progress and the quality of the human condition. It manages to keep a healthier balance between these two complex topics than is found in most publications of the genre. The book also manages to build accessible bridges over the gulf that tends to separate the philosophical language from the 'real' concerns of technologists.

Integrative Studies SAGE

Introduction to Integrative Studies Kendall/Hunt Publishing Company Perspectives in Interdisciplinary and Integrative Studies

Creating Interdisciplinary Campus Cultures SAGE

"The essays and primary research studies presented in *Perspectives in Interdisciplinary and Integrative Studies* extend the field of integrative studies further by drawing a clear distinction between integrative and interdisciplinary studies, in which integrative studies provides for a synthesis of study and life, an application of interdisciplinarity to complex problems. This volume provides a common body of integrative knowledge, theory, methods, and program development and assessment, and reveals how scholars have applied the principles of integrative studies in their courses, degree programs, and research. As a primary or supplemental text, this volume is designed for upper-division undergraduate and graduate students, as well as a resource of contemporary integrative studies theories and practices for scholars and teachers. Students interested in interdisciplinary programs will find this text instrumental for synthesizing information across disciplines to solve real-world complex problems. University and college administrators responsible for faculty development, academic assessment, degree program development, and the promotion of an integrative campus culture will also find this a useful resource"---.

Introduction to Integrative Studies Kendall/Hunt Publishing Company

The Second Edition provides a comprehensive introduction to interdisciplinary studies with an approach that is succinct, conceptual, and practical. Completely updated to reflect advances in the literature on research, learning, and assessment, the book describes the role of both disciplines and interdisciplinarity within the academy, and how these have evolved. Authors Allen F. Repko, Rick Szostak, and Michelle Phillips Buchberger effectively show students how to think like interdisciplinarians in order to facilitate their working with topics, complex problems, or themes that span multiple disciplines.

Integrative Learning as a Developmental Process SAGE Publications

Introduction to Interdisciplinary Research offers comprehensive treatment of the interdisciplinary research process commonly used by interdisciplinarians. The concise and guided resource on the most commonly accepted interdisciplinary studies principles as applied to the research process covers topics such as: deciding how to choose disciplines relevant to the problem or topic; dealing with disciplinary and ideological bias; making explicit the rationale for taking an interdisciplinary approach, and choosing research methods appropriate to the problem or topic.

Women in World Terms : Facts and Trends : Prepared for the International Women's Year Conference, Mexico SAGE Publications

The Third Edition of *Interdisciplinary Research: Process and Theory* offers a comprehensive and systematic presentation of the interdisciplinary research process and the theory that informs it. Authors Allen F. Repko and Rick Szostak illustrate each step of the decision-making process by drawing on student and professional work from the natural sciences, social sciences, humanities, and applied fields. Designed for active learning and problem-based approaches as well as for more traditional approaches, the book now includes more examples from real student research projects and adds more tables and figures to enliven the discussion.

Integrative Psychotherapy McFarland

This volume of *New Directions for Teaching and Learning* is a practical compendium of advice and information on the development, administration, and assessment of interdisciplinary studies programs and schools. A bibliographic orientation to hands-on access, including electronic retrieval of information, precedes chapters reviewing the design of interdisciplinary courses, and how the role of administrators in interdisciplinary programs can further institutional goals. The final chapter looks beyond the local campus to national and international support networks. The contributors, who share their extensive experience in the teaching and administration of interdisciplinary studies, provide many examples of good (and bad) praxis. This is the 58th issue of the quarterly journal *New Directions for Teaching and Learning*. For more information on the series, please see the *Journals and Periodicals* page.

Integrative Studies in Social Science Binghamton : Center for Integrative Studies, State University of New York at Binghamton

This book is a contribution to the development of a didactics of the Study of Religions ("Religionswissenschaft"). Based on a discussion of recent theory and methodology in the academic study of religions and in education, current models of integrative religious education in Europe (i.e. education about different religions in religiously mixed classrooms) are analysed and evaluated, with a special focus on England and Sweden. The book concludes with the suggestion of a European framework for integrative religious education from a study-of-religions perspective.

The Politics of Interdisciplinary Studies National Academies Press

The model is robust, capable of inducing endogenous angiogenesis in tumor spheroids embedded in a shell-less CAM, and can be used for both qualitative and quantitative studies of tumor growth, angiogenesis, and therapeutic efficacy.

The 7th Floor Jossey-Bass

Pavements are the most ubiquitous of all man-made structures, and they have an enormous impact on environmental quality. They are responsible for hydrocarbon pollutants, excess runoff, groundwater decline and the resulting local water shortages, temperature increases in the urban "heat island," and for the ability of trees to extend their roots in order to live. Porous pavements, despite their ability to mitigate these factors, remain the object of much skepticism and controversy. Written by a renowned expert with 25 years of experience in urban watershed management, *Porous Pavements* is the first comprehensive "encyclopedia" of porous pavement materials. The book begins with five chapters that lay a foundation for all porous pavement materials and applications, introducing the types of materials and arrangements, their roles in the urban environment, and the principles of pavement structure, hydrology, and rooting space. The following nine chapters outline the costs, maintenance requirements, advantages and disadvantages for different applications, installation methods, sources of standard specifications, and performance levels for each family of porous pavement materials. Relying on case studies and factual data from observed experience, and containing abundant references for further information, *Porous Pavements* gives responsible practitioners a complete toolbox from which to select the appropriate material for site-specific conditions, providing a "green" alternative to impervious pavements.

Interdisciplinary Studies Today John Wiley & Sons

This influential book describes the knowledge and skills teachers and school administrators need to recognize and combat bias and inequity that undermine educational engagement for students experiencing poverty. Featuring important revisions based on newly available research and lessons from the author's professional development work, this Second Edition includes: a new chapter outlining the dangers of "grit" and deficit perspectives

as responses to educational disparities; three updated chapters of research-informed, on-the-ground strategies for teaching and leading with equity literacy; and expanded lists of resources and readings to support transformative equity work in high-poverty and mixed-class schools. Written with an engaging, conversational style that makes complex concepts accessible, this book will help readers learn how to recognize and respond to even the subtlest inequities in their classrooms, schools, and districts.

Integrative Religious Education in Europe Out Your Backdoor

Mark McMinn and Clark Campbell present an integrative model of psychotherapy that is grounded in Christian biblical and theological teaching and in a critical and constructive engagement with contemporary psychology. This foundational work integrates behavioral, cognitive, and interpersonal models of therapy within a Christian theological framework. Not only do the authors integrate Christian faith and spirituality with the latest thinking in behavioral science at a theoretical level, they also integrate the theoretical and academic with the pastoral and clinical, offering a practical guide for the practitioner. Christian Association for Psychological Studies (CAPS) Books explore how Christianity relates to mental health and behavioral sciences including psychology, counseling, social work, and marriage and family therapy in order to equip Christian clinicians to support the well-being of their clients.

Introduction to Interdisciplinary Studies Ace/Praeger Higher Education

Fully updated and revised, the second edition of *Integrative Nursing* is a complete roadmap to integrative patient care, providing a guide to whole person/whole systems assessment and clinical interventions for individuals, families, and communities. Treatment strategies described in this version employ the full complement of evidence-informed methodologies in a tailored, person-centered approach to care. This text explores concepts, skills, and theoretical frameworks that can be used by healthcare leaders interested in creating and implementing an integrative model of care within institutions and systems, featuring exemplar nurse-led initiatives that have transformed healthcare systems. This volume covers the foundations of the field; the most effective ways to optimize wellbeing; principles of symptom management for many common disorders like sleep, anxiety, pain, and cognitive impairment; the application of integrative nursing techniques in a variety of clinical settings and among a diverse patient population; and integrative practices around the world and how it impacts planetary health. The academic rigor of the text is balanced by practical and relevant content that can be readily implemented into practice for both established professionals as well as students enrolled in undergraduate or graduate nursing programs. Integrative medicine is defined as healing-oriented medicine that takes account of the whole person (body, mind, and spirit) as well as all aspects of lifestyle; it emphasizes the therapeutic relationship and makes use of appropriate therapies, both conventional and alternative. Series editor Andrew Weil, MD, is Professor and Director of the Arizona Center for Integrative Medicine at the University of Arizona. Dr. Weil's program was the first such academic program in the U.S., and its stated goal is "to combine the best ideas and practices of conventional and alternative medicine into cost effective treatments without embracing alternative practices uncritically."

In Search of an Integrative Vision for Technology Weil Integrative Medicine Libr

Praise for *Creating Interdisciplinary Campus Cultures* "Klein's analysis shows convincingly that from research in the sciences to new graduate-level programs and departments, to new designs for general education, interdisciplinarity is now prevalent throughout American colleges and universities. . . . Klein documents trends, traces historical patterns and precedents, and provides practical advice. Going directly to the heart of our institutional realities, she focuses attention on some of the more challenging aspects of bringing together ambitious goals for interdisciplinary vitality with institutional, budgetary, and governance systems. A singular strength of this book, then, is the practical advice it provides about such nitty-gritty issues as program review, faculty development, tenure and promotion, hiring, and the political economy of interdisciplinarity. . . . We know that readers everywhere will find [this book] simultaneously richly illuminating and intensively useful." —from the foreword by Carol Geary Schneider, president, Association of American Colleges and Universities "Klein reveals how universities can move beyond glib rhetoric about being interdisciplinary toward pervasive full interdisciplinarity. Institutions that heed her call for restructured intellectual environments are most likely to thrive in the new millennium." —William H. Newell, professor, Interdisciplinary Studies, Miami University, and executive director, Association for Integrative Studies "In true interdisciplinary fashion, Julie Klein integrates a tremendous amount of material into this book to tell the story of interdisciplinarity across the sciences, social sciences, and humanities. And she does so both from the theoretical perspective of 'understanding' interdisciplinarity and from the practical vantage of 'doing' interdisciplinarity. This book is a must-read for faculty and administrators thinking about how to maximize the opportunities and minimize the challenges of interdisciplinary programming on their campuses." —Diana Rhoten, director, Knowledge Institutions Program, and director, Digital Media and Learning Project, Social Science Research Council

Mapping Interdisciplinary Studies Walter de Gruyter

This collection of essays first highlights the popularity of interdisciplinary undergraduate studies and their recent gains in the world of higher education, and then addresses the paradoxical failure of these studies to achieve a permanent position in the curricula of individual universities and colleges. This question and its attendant issues are explored in three ways: (1) an overview of how these changes are affected by the political economy, (2) case studies from actual universities and colleges, and (3) a discussion of the sustainability of undergraduate interdisciplinary studies programs.

Issues in Integrative Studies Springer Science & Business Media

Case Studies in Interdisciplinary Research successfully applies the model of the interdisciplinary research process outlined by author Allen F. Repko in *Interdisciplinary Research*, (SAGE ©2008) to a wide spectrum of challenging research questions. Self-contained case studies, written by leaders in interdisciplinary research, and utilizing best-practice techniques in conducting interdisciplinary research shows students how to apply the interdisciplinary research process to a variety of problems.

Interdisciplinary Research InterVarsity Press

This discussion paper examines the trend toward increased interdisciplinarity in the academy. Part 1 provides an overview of current trends, with emphasis on three areas: disciplinary change, interdisciplinary fields, and general education. It addresses the question of why interdisciplinarity is taking hold in the academy today. Part 2 presents ideas on integrating curriculum, integrative processes and pedagogies, assessment, faculty

development, institutional change, and support strategies. It considers ways in which local campuses can respond to these trends. Also included is a statement on liberal learning by the Association of American Colleges and Universities and a list of the organization's current priorities.(Contains 30

references.) (DB)

[Source Readings in Integrative Studies](#) Saunders

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