

How To Manuals

How to Develop and Administer Institutional Undergraduate Research Programs, Toufik Hakim (Kean University). This publication provides a step-by-step approach to developing and managing a campus-wide undergraduate research initiative. It also includes commentaries on undergraduate research issues relating to faculty, students and curricula, common practices and surveys, and useful vignettes.

How to Get a Tenure-Track Position at a Predominantly Undergraduate Institution, Michelle Bushey (Trinity University), Deborah Lycan (Lewis & Clark College), Patricia Videtich (Grand Valley State University). This booklet gives practical advice that will make tenure applications stand out. Topics covered include a description of what a job at a PUI is like, how to prepare for such a position during graduate school and beyond, the application, details of the interview process, and negotiating the contract.

How to Get Started in Arts and Humanities Research with Undergraduates, Iain Crawford (University of Delaware), Sara E. Orel (Truman State University), Jenny Olin Shanahan (Bridgewater State). Designed for faculty members and administrators hoping to develop opportunities for undergraduate research, scholarship, and creative work in the arts and humanities. Provides a practical, hands-on guide, using models of successful practice in a wide range of disciplines and cross-disciplinary programs.

How To Get Started in STEM Research with Undergraduates, Merle Schuh (Davidson College). This publication discusses setting up and managing a research laboratory, designing student research projects, working with administrators, seeking research grants, writing successful grant proposals, integrating research into the classroom, dealing with information management, and making optimal use of the primary literature.

How to Mentor Undergraduate Researchers, Louise Temple (James Madison University), Thomas Q. Sibley (St. John's University), Amy J. Orr, (Linfield College). This updated handbook reflects many changes over the last decade in the scope and extent of research opportunities for undergraduates in the United States. This edition has experts in a variety of fields presents a concise description of the mentoring process, including the opportunities and rewards that a mentoring experience provides to both students and mentors.

How to Start an Undergraduate Research Journal, D. Alexis Hart (Virginia Military Institute). This booklet provides administrators, editorial boards, and teaching and research faculty members justifications and strategies for beginning and/or sustaining undergraduate research journals—whether institutionally, nationally, or internationally. With advice about copyright and dual-publication considerations, and offers suggestions about how to embed an undergraduate research journal into the broader curriculum.

Books

A Practical Handbook for Supporting Community-Based Research with Undergraduate Students, Deanna Cooke (Georgetown University) and Trisha Thorne (Princeton University), will help institutions initiate and support community-based research (CBR), while addressing the special rewards and challenges in connecting undergraduates with change oriented projects and providing a road map for implementing CBR. It lays out a process for conducting CBR with students, dealing with issues such as developing and maintaining partnerships, developing research questions, collecting and analyzing data, and reporting findings.

Advancing Undergraduate Research: Marketing, Communications, and Fundraising, Joyce Kinkead (Utah State University), designed to share successful models and strategies for promoting and funding undergraduate research programs. This book addresses the growth and improvement of undergraduate research programs through advancement activities—marketing, communications and fundraising.

Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact, Mary K. Boyd (University of San Diego) and Jodi L. Wesemann (American Chemical Society). This book is a rich collection featuring institutions that are maximizing the impact of engaging undergraduate students in research, scholarship and creative activity to enhance educational outcomes and expand frontiers.

Characteristics of Excellence in Undergraduate Research, Nancy Hensel. Capitalizing on three decades of CUR experience fostering undergraduate research, COEUR identifies critical best practices and can be used as a guide for organizations that are striving to enhance learning experiences of students through examining the institutional environment for supportive research practices. It can also be used as a beacon for institutions that are in the beginning stages of developing an undergraduate research program, or for funding agencies seeking to better understand the qualities of excellent undergraduate research programs.

Creative Inquiry in the Arts & Humanities: Models of Undergraduate Research, Naomi Yavneh Klos (Loyola University- New Orleans), Jenny Olin Shanahan (Bridgewater State University), and Greg Young (Montana State University). Aims to assist faculty and administrators create undergraduate research opportunities, as well as, working to sustain well-established, multidisciplinary programs. It offers examples of successful programs, assignments, curricula, journals, and conferences that support the research, scholarship, and creative activity of students in arts and humanities disciplines.

Developing and Sustaining a Research-Supportive Curriculum: A Compendium of Successful Practices, Kerry Karukstis (Harvey Mudd College) and Timothy Elgren (Hamilton College). The volume focuses on three broad areas: curricular elements and teaching and learning strategies that develop critical research skills, curricular infrastructure that enhances a research-supportive curriculum, and administrative contributions that initiate and sustain a research-supportive curriculum.

Faculty Support and Undergraduate Research: Innovations in Faculty Role Definition, Workload, and Reward, Nancy Hensel (New American Colleges & Universities) and Beth Paul (Stetson University). Even with administrative commitment institutions find it challenging to fund reassigned time for faculty or provide courses that support undergraduate research, and there is often controversy about whether and how faculty engagement should be rewarded in reappointment, promotion, and tenure decisions. The authors discuss providing support for faculty who involve undergraduates in research.

Reading, Writing, & Research: Undergraduate Students as Scholars in Literary Studies, Laura Behling (Butler University). This book documents multiple methods and procedures that could be adapted for all students to become engaged in the essential questions of our fields.

Science in Solution: The Impact of Undergraduate Research on Student Learning, David Lopatto (Grinnell College). This book provides research-based evidence demonstrating the impact of early engagement in undergraduate research on students' personal and professional growth.

Tapping the Potential of All: Undergraduate Research at Community Colleges, Nancy Hensel (New American Colleges & Universities) and Brent Cejda (University of Nebraska-Lincoln). Engaging community-college students in undergraduate research prepares them to contribute to the economic and social development of their communities and regions. With support from the National Science Foundation, faculty from more than 100 community colleges learned how to engage their students in undergraduate research, scholarship, and creative activities. The authors of this volume share their experiences in implementing undergraduate research and offer valuable strategies for making it a success in their courses and at their institutions.

Undergraduate Research Offices & Programs: Models & Practices, Joyce Kinkead (Utah State University) and Linda Blockus (University of Missouri), aims to provide models of undergraduate research programs that can instruct and inspire. Showcasing offices and programs of undergraduate research at a variety of institutional types at various points of maturity. The volume also offers pragmatic advice on assessment, special programs, and summer experiences.