

# Trends And Issues In Instructional Design And Technology

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**Current Trends and Issues in Higher Education** - Nataša Bakić-Mirić  
2015-02-27

This volume is a collection of eleven papers written by scholars from around the world, who came together in their shared interest to discuss current trends and issues in higher education. Rich in a diversity of topics, Current Trends and Issues in Higher Education represents a valuable contribution to the fields of language, culture, teaching methodology, education, linguistics and central Asian studies. This book synthesises current theoretical and practical insights in higher education provided by active researchers and practitioners in their respective areas. It is comprehensive in dealing with the issues facing educators today, such as changing perceptions in education and research, and learning and teaching in traditional and non-traditional settings. With today's constant changes in the field of education as a result of new legislation and globalization, and new instructional practices and research investigations, this book will help all involved in education to keep up with these transformations and be up-to-date in all areas relating to higher education.

Ten Steps to Complex Learning - Jeroen J. G. van Merriënboer  
2017-10-23

Ten Steps to Complex Learning presents a path from an educational

problem to a solution in a way that students, practitioners, and researchers can understand and easily use. Students in the field of instructional design can use this book to broaden their knowledge of the design of training programs for complex learning. Practitioners can use this book as a reference guide to support their design of courses, curricula, or environments for complex learning. Now fully revised to incorporate the most current research in the field, this third edition of Ten Steps to Complex Learning includes many references to recent research as well as two new chapters. One new chapter deals with the training of 21st-century skills in educational programs based on the Ten Steps. The other deals with the design of assessment programs that are fully aligned with the Ten Steps. In the closing chapter, new directions for the further development of the Ten Steps are discussed.

Foundations of Learning and Instructional Design Technology - Richard E> West 2018

Supporting Multiculturalism in Open and Distance Learning Spaces - Toprak, Elif 2017-11-03

The growing interest in transnational cooperation in education across borders has different implications for developed and developing countries. It is true that globalization affects all societies, but not at the

same speed and magnitude. Supporting Multiculturalism in Open and Distance Learning Spaces is a critical scholarly resource that examines cultural issues and challenges in distance education arising from the convergence of theoretical, administrative, instructional, communicational, and technological dimensions of global education. Featuring coverage on a broad range of topics such as cultural diversity, interaction in distance education, and culturally sensitive intuitional design, this book is geared towards school administrators, universities and colleges, policy makers, organizations, and researchers.

**The Instructional Design Knowledge Base** - Rita C. Richey  
2010-10-18

The Instructional Design Knowledge Base: Theory, Research and Practice provides ID professionals and students at all levels with a comprehensive exploration of the theories and research that serve as a foundation for current and emerging ID practice. This book offers both current and classic interpretations of theory from a range of disciplines and approaches. It encompasses general systems, communication, learning, early instructional, media, conditions-based, constructivist design and performance-improvement theories. Features include: rich representations of the ID literature concise theory summaries specific examples of how theory is applied to practice recommendations for future research a glossary of related terms a comprehensive list of references. A perfect resource for instructional design and technology doctoral, masters and educational specialist certificate programs, The Instructional Design Knowledge Base provides students and scholars with a comprehensive background for ID practice and a foundation for future ID thinking.

**Digital Badges in Education** - Lin Y. Muilenburg 2016-03-22

In recent years, digital badging systems have become a credible means through which learners can establish portfolios and articulate knowledge and skills for both academic and professional settings. Digital Badges in Education provides the first comprehensive overview of this emerging tool. A digital badge is an online-based visual representation that uses detailed metadata to signify learners' specific achievements and

credentials in a variety of subjects across K-12 classrooms, higher education, and workplace learning. Focusing on learning design, assessment, and concrete cases in various contexts, this book explores the necessary components of badging systems, their functions and value, and the possible problems they face. These twenty-five chapters illustrate a range of successful applications of digital badges to address a broad spectrum of learning challenges and to help readers formulate solutions during the development of their digital badges learning projects.

**Trends and Issues in Instructional Design and Technology** - Robert A. Reiser 2007

Winner of 2006 AECT Award. Trends and Issues in Instructional Design and Technology is intended to provide readers with a clear picture of the field of instructional design and technology, the trends and issues that have affected it in the past and present, and those trends and issues likely to affect it in the future. Professionals in the field need to be able to do more than just perform the skills associated with IDT. They need to be able to clearly describe the nature of the field, be familiar with the field's history and its current status, and be able to describe recent trends and issues that are having, or are likely to have, an impact on the field. The purpose of this book is to help readers attain these goals.

**Making Instructional Design Decisions** - Barbara Seels 1998

This book takes a pragmatic approach which addresses ISD at several levels, addressing paradigms rather than behaviorism. This practical book clarifies the often abstract and confusing theoretical basis for instructional design by integrating both conceptual and procedural theories with practice and examples from real life.

**Studyguide for Trends and Issues in Instructional Design and Technology by Reiser, Robert** - Cram101 Textbook Reviews 2013-05

Never HIGHLIGHT a Book Again Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780872893795. This item is printed on demand.

*A History of Instructional Technology* Paul Saettler 1967

**Mastering the Instructional Design Process** - William J. Rothwell  
2015-12-29

A comprehensive framework for effective real-world instructional design Mastering the Instructional Design Process provides step-by-step guidance on the design and development of an engaging, effective training program. The focus on core competencies of instructional system design helps you develop your skills in a way that's immediately applicable to real-world settings, and this newly updated fifth edition has been revised to reflect the new IBSTPI Competencies and Standards for Instructional Design. With a solid foundation of researched and validated standards, this invaluable guide provides useful insight and a flexible framework for approaching instructional design from a practical perspective. Coverage includes the full range of design considerations concerning the learners, objectives, setting, and more, and ancillaries include design templates, PowerPoint slides, lecture notes, and a test bank help you bring these competencies to the classroom. Instructional design is always evolving, and new trends are emerging to meet the ever-changing needs of learners and exploit the newest tools at our disposal. This book brings together the latest developments and the most effective best practices to give you a foolproof framework for successfully managing instructional design projects. Detect and solve human performance problems Analyze needs, learners, work settings, and work Establish performance objectives and measurements Deliver effective instruction in a variety of scenarios Effective training programs don't just happen. Instructional design is a complex field, and practitioners must be skilled in very specific areas to deliver a training program that engages learners and makes the learning 'stick.' Mastering the Instructional Design Process is a comprehensive handbook for developing the skillset that facilitates positive training outcomes.

Educational Trends Exposed - David Armstrong 2021-12-31

Educational Trends Exposed explains and critically reviews eighteen of the most prevalent trends sweeping schools, colleges and universities

over the last decade and beyond. Amid the buzz from news outlets, websites and social media peddling 'this works' approaches and 'quick fix' solutions, this book provides educators with a practical tool to help answer important questions such as: what does this trend actually involve? Is it worth the investment of time and resources? Does it work - what does research say? Do the claimed benefits to students outweigh any downsides? In this timely book, David Armstrong and Gill Armstrong cast a critical, expert eye over these trends, referencing the latest research and offering a framework for considering educational trends, empowering readers as informed critical consumers. They argue that trends disclose deeper truths about the state and direction of contemporary public education in Australia, England and the US and provide original, thought-provoking analysis. This book demonstrates that a greater understanding of trends can teach some important lessons, including how parents, teachers and educational decisions makers can agitate and collaborate for a modernised and more socially equitable education system. Educational Trends Exposed is essential reading for pre- and in-service teachers, and all educational decision makers who are faced with a choice of which trend, if any, to follow. *Handbook of Research on Practices and Outcomes in E-Learning: Issues and Trends*- Yang, Harrison Hao 2009-10-31

"This book includes a selection of world-class chapters addressing current research, case studies, best practices, pedagogical approaches and strategies, related resources and projects related to e-learning"-- Provided by publisher.

**First Principles of Instruction** - M. David Merrill 2012-10-06

This handy resource describes and illustrates the concepts underlying the "First Principles of Instruction" and illustrates First Principles and their application in a wide variety of instructional products. The book introduces the e3 Course Critique Checklist that can be used to evaluate existing instructional product. It also provides directions for applying this checklist and illustrates its use for a variety of different kinds of courses. The Author has also developed a Pebble-in-the-Pond instructional design model with an accompanying e3 ID Checklist. This

checklist enables instructional designers to design and develop instructional products that more adequately implement First Principles of Instruction.

*The ID CaseBook*- Peggy A. Ertmer 2017-08-18

First Published in 2017. Routledge is an imprint of Taylor & Francis, an Informa company. The Fourth Edition of this highly regarded problem-solving text presents 30 realistic case studies in a wide range of authentic contexts, from K-12 to post-secondary, corporate, and manufacturing. The cases and their accompanying discussion questions encourage ID students to analyze the available information, develop conclusions, and consider alternative possibilities in resolving ID problems.

Distance Learning Technologies: Issues, Trends and Opportunities - Lau, Linda K. 1999-07-01

In today's technology-crazed environment, distance learning is touted as a cost-effective option for delivering employee training and higher education programs, such as bachelor's, master's and even doctoral degrees. *Distance Learning Technologies: Issues, Trends and Opportunities* provides readers with an in-depth understanding of distance learning and the technologies available for this innovative media of learning and instruction. It traces the development of distance learning from its history to suggestions of a solid strategic implementation plan to ensure its successful and effective deployment.

**How People Learn** - National Research Council 2000-08-11

First released in the Spring of 1999, *How People Learn* has been expanded to show how the theories and insights from the original book can translate into actions and practice, now making a real connection between classroom activities and learning behavior. This edition includes far-reaching suggestions for research that could increase the impact that classroom teaching has on actual learning. Like the original edition, this book offers exciting new research about the mind and the brain that provides answers to a number of compelling questions. When do infants begin to learn? How do experts learn and how is this different from non-experts? What can teachers and schools do-with curricula, classroom

settings, and teaching methods--to help children learn most effectively? New evidence from many branches of science has significantly added to our understanding of what it means to know, from the neural processes that occur during learning to the influence of culture on what people see and absorb. *How People Learn* examines these findings and their implications for what we teach, how we teach it, and how we assess what our children learn. The book uses exemplary teaching to illustrate how approaches based on what we now know result in in-depth learning. This new knowledge calls into question concepts and practices firmly entrenched in our current education system. Topics include: How learning actually changes the physical structure of the brain. How existing knowledge affects what people notice and how they learn. What the thought processes of experts tell us about how to teach. The amazing learning potential of infants. The relationship of classroom learning and everyday settings of community and workplace. Learning needs and opportunities for teachers. A realistic look at the role of technology in education.

*Educational Media and Technology Yearbook* Robert Maribe Branch 2021-08-24

This book is Volume 43 of the *Educational Media and Technology Yearbook*. For the past 40 years, our Yearbook has contributed to the field of Educational Technology by presenting contemporary topics, ideas, and developments regarding diverse technology tools for education. The Yearbook has inspired researchers, practitioners, and teachers to consider how to develop technological designs, curricula, and instruction. The audience for the Yearbook typically consists of media and technology professionals in K-12 schools, higher education, and business contexts. The Yearbook editors have dedicated themselves to providing a record of contemporary trends related to educational communications and technology and strive to highlight special movements that have clearly influenced the educational technology field. This volume continues the tradition of offering topics of interest to professionals practicing in other areas of educational media and technology. Includes research on emerging and contemporary topics in

the field of educational technology; Provides an ongoing report on the current issues in the field of educational technology; Contains a section presenting organizations dedicated to educational technology; Includes a section presenting graduate programs in the field of educational technology; Includes a section presenting mediagraphy in the field of educational technology.

Real World Instructional Design - Katherine Cennamo 2018-12-19

An ideal textbook for instructional designers in training, Real World Instructional Design emphasizes the collaborative, iterative nature of instructional design. Positioning instructional design as a process of simultaneous rather than sequential tasks with learner-centered outcomes, this volume engages with the essential building blocks of systematically designed instruction: learner needs and characteristics, goals and objectives, instructional activities, assessments, and formative evaluations. Key features include a Designer's Toolkit that includes tips and approaches that practitioners use in their work; vignettes and narrative case studies that illustrate the complexities and iterative nature of instructional design; and forms, templates, and questionnaires to support students in applying the chapter content. With updated examples, this streamlined second edition presents a timeless approach to instructional design.

Fundamentals of Data Visualization - Claus O. Wilke 2019-03-18

Effective visualization is the best way to communicate information from the increasingly large and complex datasets in the natural and social sciences. But with the increasing power of visualization software today, scientists, engineers, and business analysts often have to navigate a bewildering array of visualization choices and options. This practical book takes you through many commonly encountered visualization problems, and it provides guidelines on how to turn large datasets into clear and compelling figures. What visualization type is best for the story you want to tell? How do you make informative figures that are visually pleasing? Author Claus O. Wilke teaches you the elements most critical to successful data visualization. Explore the basic concepts of color as a tool to highlight, distinguish, or represent a value Understand the

importance of redundant coding to ensure you provide key information in multiple ways Use the book's visualizations directory, a graphical guide to commonly used types of data visualizations Get extensive examples of good and bad figures Learn how to use figures in a document or report and how employ them effectively to tell a compelling story

**Educational Technology** - Al Januszewski 2013-01-11

Sponsored by the Association for Educational Communications and Technology (AECT), this book presents a definition of the field of study and practice known as educational technology or instructional technology. It reflects the collaborative efforts of all members of the AECT Definition and Terminology Committee. The volume begins with the statement of the definition itself (chapter 1), followed by commentary chapters on each of the key terms and concepts contained in the definition (chapters 2-9). Chapter 10 provides historical context for the current definition by reviewing salient elements of prior AECT definitions. Chapter 11 discusses ethical considerations and chapter 12 concludes by discussing ramifications of the current definition for academic programs in educational technology. This book is appropriate for anyone working in the field of educational technology: students, instructors, researchers and in-service providers.

Instructional-design Theories and Models: An overview of their current status - Charles M. Reigeluth 1983

First Published in 1983. Routledge is an imprint of Taylor & Francis, an informa company.

**Small Teaching** - James M. Lang 2016-03-07

Employ cognitive theory in the classroom every day Research into how we learn has opened the door for utilizing cognitive theory to facilitate better student learning. But that's easier said than done. Many books about cognitive theory introduce radical but impractical theories, failing to make the connection to the classroom. In Small Teaching, James Lang presents a strategy for improving student learning with a series of modest but powerful changes that make a big difference—many of which can be put into practice in a single class period. These strategies are designed to bridge the chasm between primary research and the

classroom environment in a way that can be implemented by any faculty in any discipline, and even integrated into pre-existing teaching techniques. Learn, for example: How does one become good at retrieving knowledge from memory? How does making predictions now help us learn in the future? How do instructors instill fixed or growth mindsets in their students? Each chapter introduces a basic concept in cognitive theory, explains when and how it should be employed, and provides firm examples of how the intervention has been or could be used in a variety of disciplines. Small teaching techniques include brief classroom or online learning activities, one-time interventions, and small modifications in course design or communication with students.

The Accidental Instructional Designer - Cammy Bean 2014-05-16

Don't create boring e-learning! Cammy Bean presents a fresh, modern take on instructional design for e-learning. Filled with her personal insights and tips, *The Accidental Instructional Designer* covers nearly every aspect of the e-learning design process, including understanding instructional design, creating scenarios, building interactivity, designing visuals, and working with SMEs. You'll learn all about the CBT Lady and how to avoid her instructional design mistakes. Along the way, you'll hear from a few other accidental instructional designers, get ideas for your own projects, and find resources and references to take your own practice to the next level. *The Accidental Instructional Designer* is perfect for the learning professional or instructional designer who is just getting started with e-learning—or the more experienced practitioner looking for new ideas. In addition to sharing proven techniques and strategies, this book: covers best practices and what to avoid when designing an e-learning program presents e-learning in action through various case studies shows how you can go from being an accidental instructional designer to an intentional one.

Trends and Issues in Distance Education 2nd Edition - Lya Visser 2012-07-01

Over the last decade, the field of distance education (and e-learning) has substantially strengthened and assumed a more international scope. There has been an impressive growth in the conceptual, empirical and

experiential foundations of the field. *Trends and Issues in Distance Education: International Perspectives (2nd Ed)* captures a representative snapshot of the breadth of current global trends and issues in distance education theory, research, and practice. Through 21 chapters (from over 30 international authors), the book documents new developments in distance education scholarship and practice, presenting a diverse set of viewpoints on the trends and issues affecting this increasingly central discipline. The book is for researchers, practitioners, and students. Chapters speak to the many creative ways in which distance education addresses learning and human development needs around the world. They focus on distance education in dissimilar settings that extend beyond the limitations of the dominating paradigms of the highly developed economies. Contributing authors touch upon conceptual as well as practical issues. They critically reflect on both large- and small-scale distance education initiatives, discussing the use of everything from the most advanced technologies (e.g., 3-D computing) to the most rudimentary technologies (e.g., wind-up radios).

**Survey of Instructional Development Models** - Kent L. Gustafson 1991

Changing Trends in Architectural Design Education - Jamal Al-Qawasmi 2006

During the last three decades or so there has been a substantial shift in architectural design education. These changes have manifested in an increased criticism of the traditional design education; attempts to reconsider/rethink the basic assumptions, theories and practices of traditional design education; and calls for major changes in studio culture. The drivers of this change include epistemological, social, and economical forces among which are new knowledge and technological developments; increased use of computers and information technology in design education and practice; pressure on institutions of higher education to reduce space use; and changing student demographics. Forty five authors from all over the world come together to address new discourse in architectural design education. The 45 articles of the book

are organized under nine themes: virtual and distributed design education, digital design education, digital visualization and design teaching, reflections on architectural design education, integration of studio with other teaching, theoretical issues in learning and teaching design, creativity & critical thinking, alternative studio/design built studio, and teaching studio.

*Learning and Knowledge Analytics in Open Education* - Feng-Qi Lai  
2016-07-26

This book explores trends in learning and knowledge analytics in open education, as explored in proceedings papers from AECT-LKAOE 2015 International Research Symposium. The chapters investigate various issues surrounding open education in all disciplines, such as learning design in open-ended learning environments, MOOCs (Massive Open Online Courses), learning analytics studies and applications, and technology and new media. The chapter authors provide guidance for how to design and develop most effective, efficient, and appealing instruction as well as suggesting learning strategies relevant to the open education era.

*Evaluating the Impact of Technology on Learning, Teaching, and Designing Curriculum Emerging Trends* - Ng, Eugenia M. W. 2012-01-31  
"This book provides a forum for researchers and practitioners to discuss the current and potential impact of online learning and training and to formulate methodologies for the creation of effective learning systems"--  
Provided by publisher.

[Occupational Outlook Handbook](#) - United States. Bureau of Labor Statistics 1976

*Issues in Technology, Learning, and Instructional Design* - Carr-Chellman 2016-12-01

In *Issues in Technology, Learning, and Instructional Design*, some of the best-known scholars in those fields produce powerful, original dialogues that clarify current issues, provide context and theoretical grounding, and illuminate a framework for future thought. Position statements are introduced and then responded to, covering a remarkably broad series of

topics across educational technology, learning, and instructional design, from tool use to design education to how people learn. Reminiscent of the well-known Clark/Kozma debates of the 1990s, this book is a must-have for professionals in the field and can also be used as a textbook for graduate or advanced undergraduate courses.

**Preparing Instructional Objectives** - Robert Frank Mager 2012-10-01  
A Bob Mager classic Before you prepare instruction, it is important to be able to clearly state what the desired outcomes of that instruction should be. In the largest selling book ever written on this subject, Bob Mager gives you the tools to do that by describing the characteristics of well-stated objectives and showing you how to write objectives that match the instructional results you are seeking to achieve. *Preparing Instructional Objectives* is your systematic guide to identifying, selecting, and writing well-stated objectives that create the foundation necessary to reach your instructional goals. The book will help you master the essential elements of writing a well-stated objective, including how to: \* Describe performances you expect to achieve, \* Identify the conditions under which you expect the performance to occur, and \* Set criteria for acceptable performance. The book also includes a new Objectives Checklist to help you distinguish good objectives from those that need work.

*Instructional Design Theory* - M. David Merrill 1994

This pack contains two guides to Microsoft Windows 98. *Windows 98 User Manual* teaches how to use Windows and *Windows 98 Hints and Hacks* provides advanced information for the user already familiar with Windows.

*Instructional Design for Learning* - Robert M. Seel 2017-04-17

This textbook on *Instructional Design for Learning* is a must for all education and teaching students and specialists. It provides a comprehensive overview about the theoretical foundations of the various models of *Instructional Design and Technology* from its very beginning to the most recent approaches. It elaborates *Instructional Design (ID)* as a science of educational planning. The book expands on this general understanding of *ID* and presents an up-to-date perspective on the

theories and models for the creation of detailed and precise blueprints for effective instruction. It integrates different theoretical aspects and practical approaches, such as conceptual ID models, technology-based ID, and research-based ID. In doing so, this book takes a multi-perspective view on the questions that are central for professional ID: How to analyze the relevant characteristics of the learner and the environment? How to create precise goals and adequate instruments of assessment? How to design classroom and technology-supported learning environments? How to ensure effective teaching and learning by employing formative and summative evaluation? Furthermore, this book presents empirical findings on the processes that enable effective instructional designing. Finally, this book demonstrates two different fields of application by addressing ID for teaching and learning at secondary schools and colleges, as well as for higher education.

**Learning to Solve Problems** - David H. Jonassen 2004-05-03

Learning to Solve Problems is a much-needed book that describes models for designing interactive learning environments to support how to learn and solve different kinds of problems. Using a research-based approach, author David H. Jonassen, a recognized expert in the field, shows how to design instruction to support three kinds of problems: story problems, troubleshooting, and case and policy analysis problems. Filled with models and job aids, this book describes different approaches for representing problems to learners and includes information about technology-based tools that can help learners mentally represent problems for themselves. Jonassen also explores methods for associating different solutions to problems and discusses various processes for reflecting on the problem solving process. Learning to Solve Problems also includes three methods for assessing problem-solving skills: performance assessment, component skills; and argumentation.

**Curriculum Development, Materials Design and Methodologies:**

**Trends and Issues (Penerbit USM)** - Ambigapathy Pandian

2016-11-14

This book reflects an exceptional collection of articles, literature reviews

and research finding primarily linked to curriculum and material development activities. The book covers various aspects from the theoretical frameworks and research findings that govern curriculum and material development processes to actual classroom practices that incorporated learners' needs and contexts. Articles and research findings selected and presented in this book are primarily based on practicing school teachers' interest. In addition to its wide coverage in terms of topics and contents, the book authors and contributors are from both local and abroad. This is intended for university students, curriculum planners, teachers, school administrators and teacher trainers that serve as guide for courses in language material design and curriculum and instruction.

**Studyguide for Trends and Issues in Instructional Design and Technology by Robert Reiser, ISBN 9780131708051** - Robert Reiser 2012-09

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompany: 9780131708051 .

**Adaptation, Resistance and Access to Instructional Technologies: Assessing Future Trends In Education** - D'Agustino, Steven 2010-09-30

"This book captures the current trends in technology integration from PreK-12 to higher education, focusing on the various constituent groups, namely students, teachers, and communities, in education and the effects of educational technology on learning and empowerment"--Provided by publisher.

**Issues and trends in education for sustainable development** - Leicht, Alexander 2018-02-19

Education for Sustainable Development (ESD) is globally acknowledged as a powerful driver of change, empowering learners to make decisions and take actions needed to build a just and economically viable society

respectful of both the environment and cultural diversity.

Designing Effective Instruction - Gary R. Morrison 2012-12-26

This book includes many new, enhanced features and content. Overall, the text integrates two success stories of practicing instructional designers with a focus on the process of instructional design. The text includes stories of a relatively new designer and another with eight to

ten years of experience, weaving their scenarios into the chapter narrative. Throughout the book, there are updated citations, content, and information, as well as more discussions on learning styles, examples of cognitive procedure, and explanations on sequencing from cognitive load theory.