

# Handbook of Research on Instructional Systems and Technology

Volume I

Terry T. Kidd

*University of Texas Health Science Center School of Public Health, USA*

Holim Song

*Texas Southern University, USA*

Information Science  
**REFERENCE**

**INFORMATION SCIENCE REFERENCE**

Hershey • New York

Acquisitions Editor: Kristin Klinger  
Development Editor: Kristin Roth  
Senior Managing Editor: Jennifer Neidig  
Managing Editor: Sara Reed  
Copy Editor: Holly Powell and Larissa Vinci  
Typesetter: Jeff Ash  
Cover Design: Lisa Tosheff  
Printed at: Yurchak Printing Inc.

Published in the United States of America by  
Information Science Reference (an imprint of IGI Global)  
701 E. Chocolate Avenue, Suite 200  
Hershey PA 17033  
Tel: 717-533-8845  
Fax: 717-533-8661  
E-mail: [cust@igi-global.com](mailto:cust@igi-global.com)  
Web site: <http://www.igi-global.com/reference>

and in the United Kingdom by  
Information Science Reference (an imprint of IGI Global)  
3 Henrietta Street  
Covent Garden  
London WC2E 8LU  
Tel: 44 20 7240 0856  
Fax: 44 20 7379 0609  
Web site: <http://www.eurospanonline.com>

Copyright © 2008 by IGI Global. All rights reserved. No part of this publication may be reproduced, stored or distributed in any form or by any means, electronic or mechanical, including photocopying, without written permission from the publisher.

Product or company names used in this set are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark.

Handbook of research on instructional systems and technology / Terry Kidd & Holim Song, editors.

p. cm.

Summary: "This book provides information on different styles of instructional design methodologies, tips, and strategies on how to use technology to facilitate active learning and techniques to help faculty and researchers develop online instructional and teaching materials. It enables libraries to provide a foundational reference for researchers, educators, administrators, and others in the context of instructional systems and technology"--Provided by publisher.

Includes bibliographical references and index.

ISBN 978-1-59904-865-9 (hardcover) -- ISBN 978-1-59904-866-6 (ebook)

1. Instructional systems--Design. 2. Educational technology. 3. Educational innovations. I. Kidd, Terry. II. Song, Holim.

LB1028.38.H357 2008

371.33--dc22

2007024155

British Cataloguing in Publication Data  
A Cataloguing in Publication record for this book is available from the British Library.

All work contributed to this book set is original material. The views expressed in this book are those of the authors, but not necessarily of the publisher.

16 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: [www.igi-global.com/chapter/planning-effective-multimedia-instruction/20790](http://www.igi-global.com/chapter/planning-effective-multimedia-instruction/20790)

## Related Content

---

### A Post-Positivist Framework for Using and Building Theory in Online Instructional Design

Bucky J. Dodd, Charles E. Baukal Jr. and Lynna J. Ausburn (2016). *International Journal of Online Pedagogy and Course Design* (pp. 53-70).

[www.irma-international.org/article/a-post-positivist-framework-for-using-and-building-theory-in-online-instructional-design/162683](http://www.irma-international.org/article/a-post-positivist-framework-for-using-and-building-theory-in-online-instructional-design/162683)

### Online Education Programs for Adult Learners in Higher Education

Viktor Wang and Valerie A. Storey (2014). *Andragogical and Pedagogical Methods for Curriculum and Program Development* (pp. 250-274).

[www.irma-international.org/chapter/online-education-programs-for-adult-learners-in-higher-education/106312](http://www.irma-international.org/chapter/online-education-programs-for-adult-learners-in-higher-education/106312)

### Applying the ADDIE Model to Online Instruction

Kaye Shelton and George Saltsman (2011). *Instructional Design: Concepts, Methodologies, Tools and Applications* (pp. 566-582).

[www.irma-international.org/chapter/applying-addie-model-online-instruction/51840](http://www.irma-international.org/chapter/applying-addie-model-online-instruction/51840)

### Designing and Delivering Web-Based Instruction to Adult Learners in Higher Education

Mabel C. P. O. Okojie (2018). *Student Engagement and Participation: Concepts, Methodologies, Tools, and Applications* (pp. 157-176).

[www.irma-international.org/chapter/designing-and-delivering-web-based-instruction-to-adult-learners-in-higher-education/183507](http://www.irma-international.org/chapter/designing-and-delivering-web-based-instruction-to-adult-learners-in-higher-education/183507)

### A Peer Tutoring-Based Concept Mapping Approach to Improving Students' Learning Achievements and Attitudes for a Social Studies Course

Chien-Wen Chuang, Gwo-Jen Hwang and Wen-Jen Tsai (2018). *International Journal of Online Pedagogy and Course Design* (pp. 1-12).

[www.irma-international.org/article/a-peer-tutoring-based-concept-mapping-approach-to-improving-students-learning-achievements-and-attitudes-for-a-social-studies-course/190842](http://www.irma-international.org/article/a-peer-tutoring-based-concept-mapping-approach-to-improving-students-learning-achievements-and-attitudes-for-a-social-studies-course/190842)