

Psychological and Pedagogical Considerations in Digital Textbook Use and Development

Part of the Advances in Educational Technologies and Instructional Design (AETID) Book Series

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Description:

With the emergence of digital tools into mainstream society, new applications for cutting-edge technologies enable innovations in the dissemination of information. Careful consideration of the impact of these tools is important to maximize benefits while avoiding misuse.

Psychological and Pedagogical Considerations in Digital Textbook Use and Development offers balanced coverage of the technological solutions that contribute to the design of digital textbooks and contribute to achieving learning objectives. This book emphasises on assessment mechanisms and learning theory.

Readers:

This book is a critical reference for educators, theorists, publishers and designers in the digital age.

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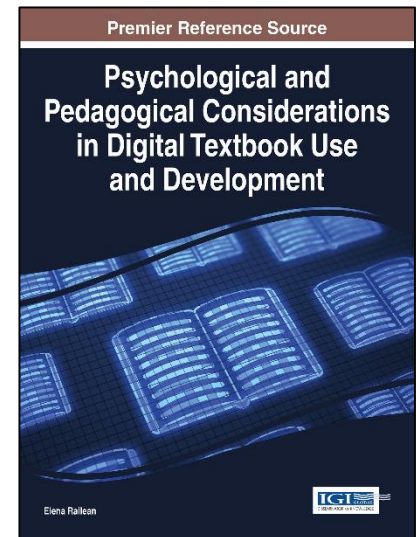
Pages: 295

Topics Covered:

- Assessment Mechanisms
- Cognitive Learning
- Didactic Model
- Digital Learning
- Digital Textbook Design
- Learning Theory
- Philosophy of Learning
- Plagiarism and Licensing
- Text Readability

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Elena Railean - Ph.D in Pedagogy, senior lecturer and vice-chef of Project Management Department at European University of Moldova and senior researcher at Academy of Sciences of Moldova. She is author of two monographs and more than 75 articles in theory and methodology of applied learning theory and design. Research interests include philosophy of learning, cybernetic pedagogy, computerized assessment, knowledge management, quantum psychology and mathematical modeling. The focus of her research is to investigate the metasystems approach of learning processes, principles of writing and assessment in digital semantic workplaces. Elena is author of didactical model for electronic textbook, which affordance is to develop competence through dynamic and flexible instructional strategy. Main publications: Methodology of educational software; The psychopedagogical bases for electronic textbook development; Knowledge Management Model for Electronic Textbook Design; Issues and challenges associated with the design of electronic textbook and Trends, issues and solutions in e-books pedagogy.