1. Record Nr. UNINA9910781787003321

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| Autore | Clark Ruth C |
| Titolo | E-learning and the Science of Instruction [[electronic resource] ] : Proven Guidelines for Consumers and Designers of Multimedia Learning |
| Pubbl/distr/stampa | Chichester, : Wiley, 2011 |
| ISBN | 1-283-20388-X<br>9786613203885<br>1-118-25597-6<br>1-118-08616-3 |
| Edizione | [3rd ed.] |
| Descrizione fisica | 1 online resource (527 p.) |
| Classificazione | EDU039000 |
| Altri autori (Persone) | MayerRichard E. <1947-> |
| Disciplina | 658.3/12402854678<br>658.312402854678 |
| Soggetti | Business education --Computer-assisted instruction<br>Business education - Computer-assisted instruction<br>Business & Economics<br>Business Education |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and indexes. |
| Nota di contenuto | e-Learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning; Contents; Acknowledgments; Introduction; 1. e-Learning: Promise and Pitfalls; What Is e-Learning?; Is e-Learning Better?; The Promise of e-Learning; The Pitfalls of e-Learning; Inform and Perform e-Learning Goals; e-Learning Architectures; What Is Effective e-Courseware?; Learning in e-Learning; 2. How Do People Learn from e-Courses?; How Do People Learn?; How e-Lessons Affect Human Learning; What We Don't Know About Learning; 3. Evidence-Based Practice<br>What Is Evidence-Based Practice?Three Approaches to Research on Instructional Effectiveness; What to Look for in Experimental Comparisons; How to Interpret No Effect in Experimental Comparisons; How to Interpret Research Statistics; How Can You Identify Relevant Research?; What We Don't Know About Evidence-Based Practice; 4. Applying the Multimedia Principle: Use Words and Graphics Rather Than Words alone; Do Visuals Make a Difference?; Multimedia Principle: |

Include Both Words and Graphics; Some Ways to Use Graphics to Promote Learning; Psychological Reasons for the Multimedia Principle Evidence for Using Words and PicturesThe Multimedia Principle Works Best for Novices; Should You Change Static Illustrations into Animations?; What We Don't Know About Visuals; 5. Applying the Contiguity Principle: Align Words to Corresponding Graphics; Contiguity Principle 1: Place Printed Words Near Corresponding Graphics; Contiguity Principle 2: Synchronize Spoken Words with Corresponding Graphics; Psychological Reasons for the Contiguity Principle; Evidence for Presenting Printed Words Near Corresponding Graphics
Evidence for Presenting Spoken Words at the Same Time as Corresponding GraphicsWhat We Don't Know About Contiguity; 6. Applying the Modality Principle: Present Words as Audio Narration Rather Than On-Screen Text; Modality Principle: Present Words as Speech Rather Than On-Screen Text; Limitations to the Modality Principle; Psychological Reasons for the Modality Principle; Evidence for Using Spoken Rather Than Printed Text; When the Modality Principle Applies; What We Don't Know About Modality; 7. Applying the Redundancy Principle: Explain Visuals with Words in Audio OR Text: Not Both
Redundancy Principle 1: Do Not Add On-Screen Text to Narrated GraphicsPsychological Reasons for the Redundancy Principle; Evidence for Omitting Redundant On-Screen Text; Redundancy Principle 2: Consider Adding On-Screen Text to Narration in Special Situations; Psychological Reasons for Exceptions to the Redundancy Principle; Evidence for Including Redundant On-Screen Text; What We Don't Know About Redundancy; 8. Applying the Coherence Principle: Adding Material Can Hurt Learning; Coherence Principle 1: Avoid e-Lessons with Extraneous Audio
Psychological Reasons to Avoid Extraneous Audio in e-Learning

Sommario/riassunto

Thoroughly revised and updated, this third edition of the best-selling book offers a comprehensive review of multimedia learning for both users and designers. The book contains design principles that are written to increase learning while debunking many popular theories about good design. The book also contains the most current research and includes new topics (e-learning for educators, new delivery technologies, social media, and more) and offers helpful guidelines. The book's many examples: create working multimedia that inform the research guidelines; have been update to include real-world

2. Record Nr. UNINA9910813332503321

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| Titolo | Biomaterials : biological production of fuels and chemicals / / edited by Rafael Luque and Chun-Ping Xu |
| Pubbl/distr/stampa | Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2016<br>©2016 |
| ISBN | 3-11-038358-6<br>3-11-034242-1 |
| Descrizione fisica | 1 online resource (xii, 192 pages) : illustrations |
| Disciplina | 610.28 |
| Soggetti | Biomedical materials |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | Front matter -- Contents -- List of contributing authors -- 1. Matching the biomass to the bioproduct / Forde, Gareth M. / Rainey, Thomas J. / Speight, Robert / Batchelor, Warren / Pattenden, Leonard K. -- 2. Systems biology in biofuel / Liang, Meng / Zhou, Xiaowei / Xu, Chunping -- 3. Production and application of chitin / Berezina, Nathalie -- 4. Biological production of welan gum / Li, Hui / Zhu, Hu / Sun, Shiwei / Feng, Zhimei / Sun, Yajie / Zhou, Wanlong -- 5. Utilization of food waste for fermentative hydrogen production / Wei, Han / Junhong, Tang / Yongfeng, Li -- 6. Bacterial dye-decolorizing peroxidases / Chen, Chao / Li, Tao -- 7. Biological routes to itaconic and succinic acids / Chang, Pei-Ching / Hsu, Hsi-Yen / Jang, Guang-Way -- 8. Novel nanoparticle materials for drug/food delivery-polysaccharides / Chen, Lei / Liu, Xingxun / Wong, Ka-Hing -- Index |
| Sommario/riassunto | In times of declining fossil stocks, science and industry have to find alternative resources for the production of fuels and chemicals. This book presents techniques for the utilization of biomass and waste as raw materials for the production of platform molecules, biopolymers, bioplastics, and bioethanol. Latest research results as well as industrial application thereof are discussed. |