Usability Evaluation of Online Learning Programs

Table of Contents

Preface ........................................................................................................................................ viii

Claude Ghaoui
Liverpool John Moores University, UK

Section I: Using Virtual Learning Environments

Chapter I
ETH World—Implementation of a Virtual Campus Infrastructure and E-Learning at ETH Zurich................................................................................................................... 1

Anders Hagström, Swiss Federal Institute of Technology Zurich, Switzerland
Walter Schaufelberger, Swiss Federal Institute of Technology Zurich, Switzerland

Chapter II
Implementing Online Delivery and Learning Support Systems: Issues, Evaluation and Lessons ........................................................... 19

J. Bernardes, University of Wolverhampton, UK
J. O’Donoghue, National ICT Research Centre for Education, Training and Employment, UK

Chapter III
Collaborative Learning On-Demand on the Internet Mbone .................................... 40

Giancarlo Fortino, University of Calabria, Italy
Libero Nigro, University of Calabria, Italy

Chapter IV
Improving Usability of an Online Learning System by Means of Multimedia, Collaboration and Adaptation Resources ............................................ 69

Elizabeth Furtado, Universidade de Fortaleza, Brazil
João José Vasco Furtado, Universidade de Fortaleza, Brazil
Fernando Lincoln Mattos, Universidade de Fortaleza, Brazil
Jean Vanderdonckt, Université Catholique de Louvain, Belgium

Section II: Methods, Pedagogy and Theories

Chapter V
Heuristic Evaluation of Web-Based ODL Programs ............................................. 88

Athanasis Karoulis, Aristotle University of Thessaloniki, Greece
Andreas Pombortsis, Aristotle University of Thessaloniki, Greece
Chapter VI
 Coming off the Rails: Evaluation and the Design Process ............................. 110
     Lizz Marr, Manchester Metropolitan University, UK
     Dave Randall, Manchester Metropolitan University, UK and Blekinge Institute of
     Technology, Ronneby, Sweden
     William L. Mitchell, The British Council, UK

Chapter VII
 Developing and Supporting Research-Based Learning and Teaching through
 Technology ............................................................................................................. 128
     Jacqueline Dempster, University of Warwick, UK

Chapter VIII
 Online Learning for the Real World: Diploma in Computing Via the Internet ...... 159
     Bridget Khursheed, University of Oxford, UK

Chapter IX
 Usability Inspection of the ECONOF System’s User Interface Visualization
 Component ............................................................................................................ 177
     Nadir Belkhiter, Université Laval, Quebec, Canada
     Marie-Michèle Boulet, Université Laval, Quebec, Canada
     Sami Baffoun, Université Laval, Quebec, Canada
     Clermont Dupuis, Université Laval, Quebec, Canada

Chapter X
 Issues of Quality in Online Degree Programmes ............................................. 198
     Floriana Grasso, Liverpool University, UK
     Paul Leng, Liverpool University, UK

Chapter XI
 Learning Technologies and Learning Theories ................................................. 218
     Vivien Sieber, University of North London, UK
     David Andrew, University of North London, UK

Chapter XII
 Design Cycle Usability Evaluations of an Intercultural Virtual Simulation
 Game for Collaborative Learning ...................................................................... 233
     Elaine M. Raybourn, Sandia National Laboratories, USA

Chapter XIII
 Computer-Supported Network-Based Learning Environment for the Workplace .. 254
     Joze Rugelj, University of Ljubljana, Slovenia; J. Stefan Institute, Slovenia

Section III: Managerial and Social Issues

Chapter XIV
 Professional to Manufacturing Mode Due to Online University Education ......... 273
     Roy Rada, University of Maryland, Baltimore County, USA