1. Record Nr. UNINA9910140786903321

Autore	Kennepohl Dietmar Karl <1961->
Titolo	Accessible elements [[electronic resource]] : teaching science online and at a distance / / Dietmar Kennepohl and Lawton Shaw
Pubbl/distr/stampa	Athabasca University Press, 2010 Edmonton, AB : , : AU Press, , [2010] ©2010
ISBN	1-282-85194-2 9786612851940 1-897425-48-1
Descrizione fisica	1 online resource (313 pages) : illustrations
Collana	Issues in Distance Education
Disciplina	507.11
Soggetti	Science - Study and teaching (Higher) Science - Computer-assisted instruction Distance education Sciences - Etude et enseignement (Superieur) Sciences - Enseignement assiste par ordinateur Enseignement a distance
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 index.
Nota di contenuto	Cover Page; Contents; Foreword; Introduction; Learning; CHAPTER ONE: Interactions Affording Distance Science Education; CHAPTER TWO: Learning Science at a Distance: Instructional Dialogues and Resources; CHAPTER THREE: Leadership Strategies for Coordinating Distance Education Instructional Development Teams; CHAPTER FOUR: Toward New Models of Flexible Education to Enhance Quality in Australian Higher Education; Laboratories; CHAPTER FIVE: Taking the Chemistry Experience Home - Home Experiments or "Kitchen Chemistry" CHAPTER SIX: Acquisition of Laboratory Skills by On-Campus and Distance Education StudentsCHAPTER SEVEN: Low-Cost Physics Home Laboratory; CHAPTER EIGHT: Laboratories in the Earth Sciences; CHAPTER NINE: Remote Control Teaching Laboratories and Practicals; Logistics; CHAPTER TEN: Needs, Costs, and Accessibility of DE Science Lab Programs; CHAPTER ELEVEN: Challenges and Opportunities for

	Teaching Laboratory Sciences at a Distance in a Developing Country; CHAPTER TWELVE: Distance and Flexible Learning at University of the South Pacific CHAPTER THIRTEEN: Institutional Considerations: A Vision for Distance EducationAuthor Biographies; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q; R; S; T; U; V; W; X
Sommario/riassunto	Accessible Elements informs science educators about current practices in online and distance education: distance-delivered methods for laboratory coursework, the requisite administrative and institutional aspects of online and distance teaching, and the relevant educational theory.Delivery of university-level courses through online and distance education is a method of providing equal access to students seeking post-secondary education. Distance delivery offers practical alternatives to traditional on-campus education for students limited by barriers such as classroom scheduling, physical loca

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Record Nr.	UNINA9910404085203321
Autore	Rodríguez Díaz Juan Antonio
Titolo	Modelling and Management of Irrigation System
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2020
ISBN	3-03928-791-5
Descrizione fisica	1 online resource (204 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Irrigation is becoming an activity of precision, where combining information collected from various sources is necessary to optimally manage resources. New management strategies, such as big data techniques, sensors, artificial intelligence, unmanned aerial vehicles (UAV), and new technologies in general, are becoming more relevant every day. As such, modeling techniques, both at the water distribution

network and the farm levels, will be essential to gather information from various sources and offer useful recommendations for decision-making processes. In this book, 10 high quality papers were selected that cover a wide range of issues that are relevant to the different aspects related to irrigation management: water source and distribution network, plot irrigation systems, and crop water management.