

1. Record Nr.	UNINA9910299687903321
Autore	Ida Nathan
Titolo	Engineering Electromagnetics / / by Nathan Ida
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-07806-2
Edizione	[3rd ed. 2015.]
Descrizione fisica	1 online resource (XXVI, 1046 p. 842 illus.)
Disciplina	530.141
Soggetti	Signal processing Image processing Speech processing systems Computers Electrical engineering Signal, Image and Speech Processing Information Systems and Communication Service Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Vector Algebra -- Vector Calculus -- Coulomb's Law and the Electric Field -- Gauss's Law and the Electric Potential -- Boundary Value Problems: Analytic Methods of Solution -- Boundary Value Problems: Numerical (Approximate) Methods -- The Steady Electric Current -- The Static Magnetic Field -- Magnetic Materials and Properties -- Faraday's Law of Induction -- Maxwell's Equations -- Electromagnetic Waves and Propagation -- Reflection and Transmission of Plane Waves -- Theory of Transmission Lines -- The Smith Chart, Impedance Matching and Transmission Line Circuits -- Transients on Transmission Lines -- Waveguides and Resonators -- Antennas and Electromagnetic Radiation -- Answers -- Index.
Sommario/riassunto	This book provides students with a thorough theoretical understanding of electromagnetic field equations and it also treats a large number of applications. The text is a comprehensive two-semester textbook. The work treats most topics in two steps – a short, introductory chapter followed by a second chapter with in-depth extensive treatment;

between 10 to 30 applications per topic; examples and exercises throughout the book; experiments, problems and summaries. The new edition includes: updated end of chapter problems; a new introduction to electromagnetics based on behavior of charges; a new section on units; MATLAB tools for solution of problems and demonstration of subjects; most chapters include a summary. The book is an undergraduate textbook at the Junior level, intended for required classes in electromagnetics. It is written in simple terms with all details of derivations included and all steps in solutions listed. It requires little beyond basic calculus and can be used for self-study. The wealth of examples and alternative explanations makes it very approachable by students. · More than 400 examples and exercises, exercising every topic in the book · Includes 600 end-of-chapter problems, many of them applications or simplified applications · Discusses the finite element, finite difference and method of moments in a dedicated chapter.

2. Record Nr.

Titolo

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Citizenship education and the curriculum / / edited by David Scott and Helen Lawson

Pubbl/distr/stampa

Westport, Conn. : , : Praeger, , 2002
London : , : Bloomsbury Publishing, , 2024

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Edizione

[1st ed.]

Descrizione fisica

1 online resource (193 p.)

Collana

International perspectives on curriculum studies, , 1530-5465 ; ; v. 2

Altri autori (Persone)

ScottDavid <1951->
LawsonHelen <1966->

Disciplina

370.11/5

Soggetti

Citizenship - Study and teaching
Curriculum planning

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	Contents; Series Foreword; 1 Introduction; 2 Citizenship Education and Difference; 3 Experiential Learning, Social Literacy and the Curriculum; 4 Citizenship Education and Curriculum Theory; 5 Citizenship Education and the Strengthening of Democracy: Is Race on the Agenda?; 6 Differentiated Civics Curriculum and Patterns of Citizenship Education: Vocational and Academic Programs in Israel; 7 Citizenship Education and Assessment: What Counts as Success?; 8 Citizenship Education and Teachers' Professional Awareness; 9 Translating the National to the Global in Citizenship Education 10 Endpiece: Citizenship Education and the Challenges of Cultural DiversityIndex; About the Editors and Contributors
Sommario/riassunto	Citizenship education is a current concern of policymakers in various parts of the world. Debates focus on modern notions of citizenship, and the need for citizenship education in a rapidly changing world. This need for citizenship education and corresponding definitions have changed over time, but a persistent characteristic would seem to be a fear of indoctrination and a lack of a coherent vision due in part to the notion of citizenship being a contested concept. Different notions of citizenship in turn underpin different theories of citizenship education, and a number of commentators have examined its role and rationale at various points in time and identified ideal forms of pedagogy, values, skills, curricular content, and assessment. Contributors address the following concerns: universality and equal opportunity, social literacy and citizenship, citizenship education and curriculum, race, different citizenship patterns in civic education, assessment, cultivating respect in human relations, and global citizenship education. Adopting a comparative approach discussing citizenship education in New Zealand, England, Iceland, Israel, Ireland, and Europe, the book presents various debates and develops new frameworks for understanding the issues.