

1. Record Nr.	UNINA9910453001303321
Autore	Fink L. Dee <1940->
Titolo	Creating significant learning experiences [[electronic resource]] : an integrated approach to designing college courses / / L. Dee Fink
Pubbl/distr/stampa	San Francisco, : Jossey-Bass, 2013
ISBN	1-118-41632-5 1-118-41901-4
Edizione	[Rev. and updated ed.]
Descrizione fisica	1 online resource (354 p.)
Collana	The Jossey-Bass higher and adult education series
Classificazione	EDU029000
Disciplina	378.1/250973
Soggetti	College teaching - United States Education, Higher - Curricula - United States Electronic books.
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	Creating Significant Learning Experiences, Revised and Updated: An Integrated Approach to Designing College Courses; Copyright; Contents; Note to Updated Edition; Preface; Central Message; Significant Learning; Integrated Course Design; Better Organizational Support; Plan of the Book; Web Site on Significant Learning; Acknowledgments; The Author; Chapter 1: Creating Significant Learning Experiences: The Key to Quality in Educational Programs; How Satisfactory Are Current Forms of Instruction?; Cause of These Shortcomings; Are People Concerned About These Problems? Base Need: Significant Learning Experiences for StudentsSignificant Learning Experiences; An Analogy; Faculty: Ready for Change?; Institutional Change: Coming, Ready or Not!; The Forces Driving Institutional Change; Leading Toward the Right Kind of Change; Are Significantly Better Kinds of Learning Really Possible?; New Paradigms for Teaching; New Forms of Teaching; The Significance of Learning About Course Design; Potential Impact on Problems Faced by Teachers; Overall Significance of Learning About Course Design; An Invitation to a New Way of Thinking About Teaching Chapter 2: A Taxonomy of Significant LearningBeginning the Journey; What Makes Learning Significant?; Major Categories in the Taxonomy of Significant Learning; Interactive Nature of Significant Learning;

Formulating Course Goals Around Significant Learning; General Version; Developing Course-Specific Learning Goals; Significant Learning and the Literature on College Teaching; General Curricular Goals; Paradigm Shift; Does the Learning-Centered Paradigm Abandon Content?; How Do We Achieve Significant Learning?; Chapter 3: Designing Significant Learning Experiences I: Getting Started Three Basic Ways of Putting a Course Together Integrated Course Design: A New Model; Backward Design; A Key Feature: Integrated Components; Getting Started with Designing a Course; Initial Phase: Build Strong Primary Components; Step One: Identify Important Situational Factors; Step Two: Identify Important Learning Goals; Step Three: Formulate Appropriate Feedback and Assessment Procedures; The Psychology of Feedback and Assessment; Summary of Suggestions for Feedback and Assessment; Review of the Course Design Process Thus Far Chapter 4: Designing Significant Learning Experiences ii: Shaping the Learning Experience Initial Phase, Continued; Step Four: Select Effective Teaching and Learning Activities; Step Five: Make Sure the Primary Components Are Integrated; Assessment of the Initial Phase; Intermediate Phase: Assemble the Primary Components into a Coherent Whole; Step Six: Create a Thematic Structure for the Course; Step Seven: Select or Create a Teaching Strategy; Step Eight: Integrate the Course Structure and the Instructional Strategy to Create an Overall Scheme of Learning Activities Final Phase: Four Tasks to Finish the Design

Sommario/riassunto

"In this thoroughly updated edition of L. Dee Fink's bestselling classic, he discusses new research on how people learn, active learning, and the effectiveness of his popular model adds more examples from online teaching; and further focuses on the impact of student engagement on student learning. The book explores the changes in higher education nationally and internationally since the publication of the previous edition, includes additional procedures for integrating one's course, and adds strategies for dealing with student resistance to innovative teaching. This edition continues to provide conceptual and procedural tools that are invaluable for all teachers when designing instruction. It shows how to use a taxonomy of significant learning and systematically combine the best research-based practices for learning-centered teaching with a teaching strategy in a way that results in powerful learning experiences for students. Acquiring a deeper understanding of the design process will empower teachers to creatively design courses that will result in significant learning for students"--

2. Record Nr.	UNINA9910786582303321
Autore	Belov L. A. (Leonid Alekseevich)
Titolo	Handbook of RF, microwave, and millimeter-wave components // Leonid A. Belov, Sergey M. Smolskiy, Victor N. Kochemasov
Pubbl/distr/stampa	Boston ; , : Artech House, , 2012 [Piscataway, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	1-60807-210-X
Descrizione fisica	1 online resource (519 p.)
Collana	Artech House microwave library
Altri autori (Persone)	SmolskiySergey M KochemasovV. N (Viktor Neofidovich)
Disciplina	621.38133
Soggetti	Radio circuits - Design and construction Microwave circuits - Design and construction Radio frequency
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	Handbook of RF, Microwave, and Millimeter-Wave Components; Contents; Preface; Chapter 1Devices for Signal Generation and Processing; 1.1General Information About Signals; 1.2Architecture of Devices for Generation and Processing of Signals; 1.2.1 Reference Oscillations; 1.2.2 Signals with Phase Modulation and Shift Keying; 1.2.3 QAM Signals; 1.2.4 Signals with Frequency Modulation and Shift Keying; 1.2.5 Multifrequency Signals; 1.3Requirements to Devices and Components; 1.4Product Certification and Quality Standards; 1.5 Foundry Service; Questions; References Chapter 2Transmission Line Components2.1Fundamentals; 2.2 Classification and Parameters; 2.3RF Coaxial Cables; 2.4Coaxial Connectors; 2.5Cable Assemblies; 2.6Waveguides and Flanges; 2.7 Coaxial and Waveguide Components; 2.8Rotary Joints; Questions; References; Chapter 3 Passive Components; 3.1 Substrates and Laminates; 3.2Resistors and Fixed Attenuators; 3.3Inductors, Chokes, and Transformers; 3.4Capacitors; 3.5EMI and RFI Filters; 3.6Power Dividers/Combiners, Splitters; 3.7Couplers; 3.8Beamformer Networks; 3.9Gain Equalizers; 3.10Circulators and Isolators; Questions; References

Chapter 4 Fixed Frequency Filters 4.1 Fundamentals; 4.2 Lumped LC-Element Filters; 4.3 Cavity Filters; 4.4 Ceramic Resonator Filters; 4.5 Microstrip and Stripline Filters; 4.6 Tubular Filters; 4.7 Waveguide Filters; 4.8 Yttrium-Iron Garnet (YIG) Filters; 4.9 Thin- and Thick-Film Filters; 4.10 Monolithic Crystal Filters; 4.11 SAW and BAW Filters; 4.12 MEMS Filters; 4.13 Harmonic Filters; 4.14 Frequency Multiplexers and Duplexers; 4.15 Fixed Frequency Filter Assemblies; Questions; References; Chapter 5 Control Components: Attenuators, Phase Shifters, Time Delay Lines, and Controlled Frequency Filters 5.1 Fundamentals 5.2 Classification and Parameters; 5.3 Variable Attenuators; 5.3.1 Manually controlled attenuators; 5.3.2 Electrically Variable Attenuators; 5.3.3 Digitally Controlled Attenuators; 5.3.4 Programmable Attenuators; 5.3.5 Phase Invariant Attenuators; 5.4 Phase Shifters; 5.5 Time Delay Lines; 5.6 Tunable and Switched Frequency Filters; Questions; References; Chapter 6 Control Components: Switches and Matrices; 6.1 Fundamentals; 6.2 Classification and Parameters; 6.3 Solid-State Switches and Matrices; 6.3.1 PIN-Diode Switches; 6.3.2 FET/GaAs Switches; 6.3.3 Solid-State Matrices 6.4 Coaxial Electromechanical Switches and Matrices 6.5 Waveguide Electromechanical Switches; 6.6 Microelectromechanical Switches; 6.7 Ferrite Switches; 6.8 Reed, Motorized, Redundancy, Shorting, Transmitter/Receiver, Bidirectional, Programmable Switches; Questions; References; Chapter 7 Amplifiers; 7.1 Fundamentals; 7.2 Classification and Parameters; 7.3 Low-Noise Amplifiers; 7.4 High Dynamic Range Amplifiers; 7.5 Solid-State Power Amplifiers; 7.6 Wideband Solid-State Amplifiers; 7.7 Variable Gain, Transimpedance, Limiting, Cryogenic, Distribution, Fast Recovering, Temperature Compensated Amplifiers 7.8 Klystrons, Klystrons, TWTs, Amplitrons, Crossed-Field, and Gyro-Amplifiers

Sommario/riassunto

This unique and comprehensive resource offers you a detailed treatment of the operations principles, key parameters, and specific characteristics of active and passive RF, microwave, and millimeter-wave components. The book covers both linear and nonlinear components that are used in a wide range of application areas, from communications and information sciences, to avionics, space, and military engineering. This practical book presents descriptions and clear examples and of the best materials and products used in the field, including laminates, prepregs, substrates; microstrip, coaxial and wa
