

Speech Science Primer 5th Edition

Speech Science Primer

This comprehensive textbook provides a clear, reader-friendly writing style, serves as an introduction to speech science, and covers basic information on acoustics, the acoustic analysis of speech, speech anatomy and physiology, and speech perception. The Fifth Edition also includes topics such as research methodology, speech motor control, and history/evolution of speech science. With its reader-friendly content and valuable online resources, Speech Science Primer: Physiology, Acoustics and Perception of Speech, Fifth Edition is an ideal text for beginning speech pathology and audiology students and faculty alike. Visit the book's companion Website at <http://connection.lww.com/go/speechscience> to view the online resources.

Speech Science Primer

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780781771177 .

Studyguide for Speech Science Primer

Written in a user-friendly style by three distinguished scientists/editors/clinicians who have taught the course to thousands of students at premier educational programs, the text comprehensively covers anatomy, physiology, acoustics, perception, and swallowing. This book helps speech-language pathologists in training understand the science that underpins their work and provides a framework for the evaluation and management of their future clients. It provides all that instructors need to ensure that their students are fully ready for their clinical practicum training. The second edition includes updates of existing chapters, plus a

comprehensive, detailed new chapter titled \"Brain Structures and Mechanisms for Speech, Language, and Hearing.\" As in the first edition chapters, this new chapter contains beautifully drawn, full-color, detailed artwork to facilitate the task of learning nervous system structures and physiology. The chapter concludes a unique section on a brain-based model of communication skills in humans. Plus the updates to the first-edition chapters.

Speech Science Primer

Companion work to the textbook Preclinical speech science: anatomy, physiology, acoustics, and perception, third edition.

Preclinical Speech Science

Speech and Voice Science Workbook, Fourth Edition is an excellent companion to the textbook Speech and Voice Science, Fourth Edition. Divided into chapters that correspond with Speech and Voice Science, this workbook is designed to provide a valuable tool for students to expand their understanding of this challenging course subject. The workbook is intended to be used for student review, self-study and exam preparation, to highlight areas of confusion, to learn new concepts, to connect ideas, and to spark new questions and thoughtful discussions. There are four different types of sections that appear throughout the workbook: Foundational Knowledge questions, Conceptual Integration questions, and Clinical Application questions, and TRY IT! Activities. Each section is tailored to hone different skill sets and enhance comprehension of the topics as follows: Foundational Knowledge questions assess students' basic knowledge gained from the textbook and highlight areas they need to review Conceptual Integration questions prompt students to delve deeper into the material and interrelate diverse information for understanding Clinical Application questions explore the usefulness of the material provided in the textbook to answer the common student query \"How does speech and voice science relate to the field of communication sciences and disorders?\" TRY IT! activities are designed to promote experiential learning and allow students to explore concepts and acquire new insights Key Features: * Over 1,000 questions are included on a wide variety of topics * Informative answers are provided to over 45 questions on the 14 Clinical Cases presented in the textbook * Numerous original figures and spectrograms are used to illustrate questions, reinforce key concepts, and assess students' understanding * A variety of question formats, including multiple choice, true/false, fill-in, matching, figure identification, drawing, and short answer * A focus on integrating knowledge for deeper understanding

Preclinical Speech Science

Fundamentals of Speech Science is a text that addresses basic concepts in speech science in a clear manner that facilitates the learning of technical material by undergraduate and graduate students. In addition to clear writing, the book contains over 170 illustrations to help explain important concepts like those in basic acoustics, anatomy and physiology of the speech production mechanism, resonance, acoustics of speech production, and speech perception. Other student-friendly attributes of the book include study questions, suggested readings, and a glossary of all key terms used throughout the book. Together the authors represent 60 years teaching experience in Speech Science this text exhibits their in depth understanding of the learning process.

Preclinical Speech Science Workbook

Introducing the fundamental issues in psycholinguistics, this book explores the amazing story of the unconscious processes that take place when humans use language. It is an ideal text for undergraduates taking a first course in the study of language. Topics covered include the biological foundations of language; acquisition of first and second languages in children and adults; the mental lexicon; and speech production, perception, and processing. Structured as an engaging narrative that takes the reader from an idea in the mind of a speaker to its comprehension in the mind of the hearer. Reflects the latest empirical developments in psycholinguistics, and is illustrated throughout with examples from bilingual as well as monolingual language processing, second language acquisition, and sign languages. Student-friendly features include chapter-by-chapter study questions and discussion summaries; the appendix offers an excellent overview of experimental designs in psycholinguistics, and prepares students for their own research. Written by an internationally-regarded author team, drawing on forty years of experience in teaching psycholinguistics.

Language and Motor Speech Disorders in Adults

For courses in speech and hearing science and anatomy and physiology in the discipline of communication sciences and disorders. Note: This is the bound book only and does not include access to the Enhanced Pearson eText. To order the Enhanced Pearson eText packaged with a bound book, use ISBN 0134675444. Theory and clinical application combine to present a well-rounded, accessible, relevant look at the evaluation and treatment of communication disorders. The Fourth Edition of this widely popular book focuses on the relationship between the scientific study of speech production and perception and the application of the material to the effective

evaluation and treatment of communication disorders. Theoretical material is presented first, followed by clinical application chapters highlighting specific disorders. The organization of chapters in the new edition now more closely follows the speech subsystems approach, beginning with basic acoustics, and moving on to the respiratory system, phonatory system, articulatory/resonatory system, auditory system, and nervous system. As in previous editions, the book concludes with information on classic and current models and theories of speech production and perception. New and revised full color illustrations and larger spectrograms supplement the concepts presented by clearly depicting scientific and anatomical material and ensuring understanding of the links between the underlying science and human communicative behavior. Invigorate learning with the Enhanced Pearson eText The Enhanced Pearson eText provides a rich, interactive learning environment designed to improve student mastery of content with embedded self-check quizzes at the end of each chapter. The Enhanced Pearson eText is also available without a print version of the textbook. Instructors, visit pearsonhighered.com/etextbooks/ted to register for your digital examination copy. Students, register for or purchase your eText at pearsonhighered.com/etextbooks/ted.

Speech and Voice Science Workbook, Fourth Edition

Professional Writing in Speech-Language Pathology and Audiology, Third Edition is an excellent resource for students of communication sciences and disorders. It is often used as a textbook for courses in professional writing, clinical methods, and professional issues. Throughout the text, the authors use anecdotal material, self-help questions, and humor to illustrate that learning to be a better professional writer does not require drudgery. The authors cover a spectrum of subjects related to professional writing, including: rules of writingevidence-based writingethics of professional writingciting referencesuse and abuse of the Internetwriting for oral presentationswriting diagnostic reportswriting clinical reportswriting for professional advancement The third edition is responsive to requests from instructors to provide more examples from communication sciences and disorders and increase the amount of practice material. The authors have added content in grammar and rules of writing and increased the number of practice questions and writing exercises in all chapters. They also included new information to reflect changes in the most recent ASHA Code of Ethics as well as changes in the Graduate Record Exam and Praxis Exam. Highlights of the Third Edition: More detailed coverage of grammar and rules of writingMore examples for student practice in all chaptersMore examples related to speech-language pathology and audiologyNew information about ASHA's Revised Code of EthicsNew information about the Praxis II Examination in speech-language pathology and audiologyWebsite resources for students including electronic versions of writing exercisesWebsite resources for instructors including answer keys for practice questions and writing exercises Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of

this book.

Fundamentals of Speech Science

NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for the Enhanced Pearson eText may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. This package includes the Enhanced Pearson eText and the bound book version. Speech Science: An Integrated Approach to Theory and Clinical Practice, 4th Edition focuses on the relationship between the scientific study of speech production and perception and the application of the material to the effective evaluation and treatment of communication disorders. Theoretical material is presented first, followed by clinical application chapters highlighting specific disorders. The organization of chapters in the new edition now more closely follows the speech subsystems approach, beginning with basic acoustics, and moving on to the respiratory system, phonatory system, articulatory/resonatory system, auditory system, and nervous system. As in previous editions, the book concludes with information on classic and current models and theories of speech production and perception. New and revised full color illustrations and larger spectrograms supplement the concepts presented by clearly depicting scientific and anatomical material and ensuring understanding of the links between the underlying science and human communicative behavior. Improve mastery and retention with the Enhanced Pearson eText* The Enhanced Pearson eText provides a rich, interactive learning environment designed to improve student mastery of content. The Enhanced Pearson eText is: Engaging. The new interactive, multimedia learning features were developed by the authors and other subject-matter experts to deepen and enrich the learning experience. Convenient. Enjoy instant online access from your computer or download the Pearson eText App to read on or offline on your iPad and Android tablet.* Affordable. Experience the advantages of the Enhanced Pearson eText along with all the benefits of print for 40% to 50% less than a print bound book. * The Enhanced eText features are only available in the Pearson eText format. They are not available in third-party eTexts or downloads. *The Pearson eText App is available on Google Play and in the App Store. It requires Android OS 3.1-4, a 7" or 10" tablet, or iPad iOS 5.0 or later. 0134675444 / 9780134675442 Speech Science: An Integrated Approach to Theory and Clinical Practice, with Enhanced Pearson eText -- Access Card Package Package consists of: 0134481453 / 9780134481456 Speech Science: An Integrated Approach to Theory and Clinical Practice 0134675436 / 9780134675435 Speech Science: An Integrated Approach to Theory and Clinical Practice, Enhanced Pearson eText -- Access Card

Fundamentals of Psycholinguistics

With many more exercises, writing samples, and online resources, *Professional Writing in Speech-Language Pathology and Audiology, Fourth Edition* is an excellent resource for students of communication sciences and disorders. It is often used as a textbook for courses in professional writing, clinical methods, and professional issues. Throughout the text, the authors use anecdotal material, self-help questions, and humor to illustrate that learning to be a better professional writer does not require drudgery. The authors cover a spectrum of subjects related to professional writing, including, rules of writing (review of grammar, spelling, punctuation, semantics, and sentence structure), evidence-based writing and citing sources, ethics related to professional writing, writing diagnostic and clinical reports, and writing for professional career advancement. New to the Fourth Edition: * More exercises throughout the book * Incorporates APA 7th edition style * Reorganized for a greater flow of information: * Combined the chapters on Evidence-Based Writing and Ethics of Professional Writing * Combined the chapters on Referencing Resources and Internet Resources * Book now ends with chapter 8 on professional presentations * Expansion of English mechanics underlying syntax * Inclusion of the 2023 revised version of the ASHA Code of Ethics Key Features: * Exercises in each chapter * Numerous samples, including: * Institutional Review Board Research Review Form * Authorization of Release of Information Form * Journal Article Critique * Diagnostic Reports and Protocol Worksheets * Therapy Goals and Progress Reports * Types of Professional Correspondence * Presentation Slides * Resumes Disclaimer: Please note that ancillary content such as exercises and sample presentations are not included as in the original print version of this work.

Speech Science

Providing a comprehensive view of speech science for beginning speech majors, this text gives a thorough yet understandable look at the production, acoustics and perception of speech. It treats basic areas of speech science, such as basic speech acoustics, instrumentation and speech perception with regard to theories and practical applications.

Professional Writing in Speech-Language Pathology and Audiology, Third Edition

This handbook presents detailed accounts of current research in all aspects of language prosody, written by leading experts from different disciplines. The volume's comprehensive coverage and multidisciplinary approach will make it an invaluable resource for all

researchers, students, and practitioners interested in prosody.

Speech Science

With two new chapters, improved artwork, and significant updates made throughout, the fourth edition of *Audiology: Science to Practice* continues to be the most comprehensive textbook for audiology and hearing science courses, as well as for health care professionals wanting a better understanding of hearing science and audiology practices. It is written in a style that makes new or difficult concepts relatively easy to understand, while still providing more coverage of hearing and vestibular science and clinical audiology than other introductory texts. Topics include information about the profession of audiology, acoustics, anatomy and physiology of the auditory and vestibular systems, preparing for the patient, otoscopy, pure-tone audiometry and speech measures, audiogram interpretations, masking, tympanometry, acoustic reflexes, wideband acoustic immittance, otoacoustic emissions, auditory brainstem responses, hearing screening, hearing aids, assistive listening aides, cochlear and other implantable devices, vestibular evaluation, descriptions of auditory and vestibular disorders, and aural rehabilitation. There is also a chapter on the roles of speech-language pathologists related to understanding and caring for persons with hearing and balance concerns. Where relevant, the material includes evidence-based practice. New to the Fourth Edition: * Two new chapters: Role of the Speech-Language Pathologist and Other Treatments and (Re)habilitation of Hearing and Balance Disorders * Many new beautifully drawn two-color anatomy and physiology illustrations * Black and white figures have been color-enhanced * Several chapters were reorganized and updated to include vestibular anatomy, physiology, and vestibular disorders within the relevant auditory chapters * A separate chapter on vestibular evaluation and bedside screening * Many chapters expanded to provide information on environmental factors that affect the transmission of sound, signal-to-noise ratio, preparation for testing, cerumen management, assistive listening technology systems (HATS), and status of over-the-counter hearing aids * Updated references and standards throughout Key Features: * Many illustrations to help clarify and expand on key concepts * Chapters begin with a list of learning objectives and end with key references * Punctuated with historical and informational set-aside boxes * An easy-to-read writing style to help students understand scientific concepts * Key terms highlighted throughout with a comprehensive end-of-book glossary Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

Professional Writing in Speech-Language Pathology and Audiology, Fourth Edition

NOW PUBLISHED BY PLURAL! Hearing Science Fundamentals, Second Edition maintains the straightforward style of the previous edition, introducing the basic concepts in hearing science in an easy-to-understand format. With a wide variety of student-friendly features and instructor resources, this comprehensive textbook facilitates the absorption of technical material by both undergraduate and graduate students. The text is divided into four clear sections to cover everything from the physics of sound to the anatomy and physiology of the auditory pathway and beyond. The textbook begins by delving into the basics of acoustics and digital signal processing (DSP). In the next section, readers will find full coverage of the basic anatomy and physiology of the auditory mechanism. The third section contains eight chapters on psychoacoustics and how sound is perceived via the auditory pathways. The book wraps up with a brand-new section devoted to pathologies of the auditory mechanisms. New to the Second Edition: * New coauthor, Jeremy J. Donai, AuD, PhD, brings his extensive clinical and research experience to the concepts discussed * Nine new chapters, including: Review of Speech Acoustics (Chapter 2); Digital Signal Processing (Chapter 3); Binaural Processing (Chapter 8); Temporal Processing (Chapter 10); Signal Detection Theory (Chapter 13); Auditory Perception and Hearing Impairment (Chapter 14); Separate and expanded chapters for Pathologies of the Auditory Mechanism (Chapter 9) from first edition; Pathologies of the Conductive Auditory Mechanism (Chapter 15); Pathologies of the Sensory Auditory Mechanism (Chapter 16); Pathologies of the Central Auditory Mechanism (Chapter 17) * Clinical Notes and Vocabulary Checks features have been added throughout the text * Evidence-based information incorporated throughout the text * Updated Recommended Readings list * Audio examples and overview lecture videos for students Key Features: * Learning Objectives and Key Terms at the beginning of each chapter prepare the student for the chapter contents * Two-color anatomical and line illustrations aid understanding of important technical concepts * Q & A boxes reinforce important information presented in the text * A Glossary of important terms Disclaimer: Please note that ancillary content (such as documents, quizzes, and exercises) may not be included as published in the original print version of this book.

Preclinical Speech Science Workbook, Fourth Edition

"Fundamentals of Audiology for the Speech-Language Pathologist is specifically written to provide the SLP with a solid foundational understanding of the hearing mechanism, audiological equipment and procedures, and the diagnosis and (re)habilitation of hearing loss"--

Speech Science Primer

Fundamentals of Audiology for the Speech-Language Pathologist, Second Edition is specifically written for the speech-language pathologist working with hearing impaired populations. This accessible text incorporates the expertise of audiologists along with the knowledge and experience of speech-language pathologists. The theories and training of both disciplines are combined in order to facilitate the practical application of foundational audiological information into speech-language pathology practice.

The Oxford Handbook of Language Prosody

Provides readers with knowledge of practical applications, theoretical models, services and evidence-based solutions in the areas of assistive technology (AT) and augmentative and alternative communication (AAC). This book equips practicing clinicians, educators and students with the necessary background to use AT and AAC with their clients.

Audiology

The field of educational psychology draws from a variety of diverse disciplines including human development across the life span, measurement and statistics, learning and motivation, and teaching. And within these different disciplines, many other fields are featured including psychology, anthropology, education, sociology, public health, school psychology, counseling, history, and philosophy. In fact, when taught at the college or university level, educational psychology is an ambitious course that undertakes the presentation of many different topics all tied together by the theme of how the individual can best function in an "educational" setting, loosely defined as anything from pre-school through adult education. Educational psychology can be defined as the application of what we know about learning and motivation, development, and measurement and statistics to educational settings (both school- and community-based).

Voice Rehabilitation

Psychologists, researchers, teachers, and students need complete and comprehensive information in the fields of psychology and behavioral science. The Corsini Encyclopedia of Psychology, Volume Four has been the reference of choice for almost three decades. This indispensable resource is updated and expanded to include much new material. It uniquely and effectively blends psychology and behavioral science. The Fourth Edition features over 1,200 entries; complete coverage of DSM disorders; and a bibliography of over 10,000 citations. Readers will benefit from up-to-date and authoritative coverage of every major area of psychology.

Hearing Science Fundamentals, Second Edition

How did the biological, brain and behavioural structures underlying human language evolve? This is an introduction to the interdisciplinary debates.

Fundamentals of Audiology for the Speech-Language Pathologist

"Introduction to Speech Science" is tailor made for the undergraduate Speech-Language Pathology and Audiology student. It provides a basic, student-friendly introduction to Speech and Hearing Science, alleviating frustration on the parts of both students and instructors who have been forced to use graduate-level texts in the past. The authors have many years of experience teaching undergraduate courses in Speech Science, and their book is written in simple, easy to understand language. It features extensive hints to students to reinforce concepts and assist science-shy students. At the end of each chapter, there are questions for students' review of the material. The book also includes recent references for further information, and a glossary of terms. For undergraduate Speech-Language Pathology and Audiology students, or those with an interest in this field.

Fundamentals of Audiology for the Speech-Language Pathologist

The fully updated, new edition of the bestselling introduction to phonetics and phonology The Sounds of Language presents a comprehensive introduction to both the physical and cognitive aspects of speech sounds. Assuming no prior knowledge of phonetics

or phonology, this student-friendly textbook clearly explains fundamental concepts and theories, describes key phonetic and phonological phenomena, explores the history and intersection of the two fields, offers practical advice on collecting and reading data, and more. Twenty-four concise chapters, written in non-technical language, are organized into six sections that each focus on a particular sub-discipline: Articulatory Phonetics, Acoustic Phonetics, Segmental Phonology, Suprasegmental Phonology, the Phonology/Morphology Interface, and Variation and Change. The book's flexible modular approach allows instructors to easily choose, re-order, combine, or skip sections to meet the needs of one- and two-semester courses of varying levels. Now in its second edition, *The Sounds of Language* contains updated references, new problem sets, new examples, and links to new online material. The new edition features new chapters on Lexical Phonology; Word Structure and Sound Structure; and Variation, Probability, and Phonological Theory. Chapters on Sociolinguistic Variation, Child Language Acquisition, and Adult Language Learning have also been extensively updated and revised. Offering uniquely broad and balanced coverage of the theory and practice of two major branches of linguistics, *The Sounds of Language*: Covers a wide range of topics in phonetics and phonology, from the anatomy of the vocal tract to the cognitive processes behind the comprehension of speech sounds Features critical reviews of different approaches that have been used to address phonetics and phonology problems Integrates data on sociolinguistic variation, first language acquisition, and second language learning Surveys key phonological theories, common phonological processes, and computational techniques for speech analysis Contains numerous exercises and progressively challenging problem sets that allow students to practice data analysis and hypothesis testing Includes access to a companion website with additional exercises, sound files, and other supporting resources *The Sounds of Language: An Introduction to Phonetics and Phonology, Second Edition*, remains the ideal textbook for undergraduate and beginning graduate classes on phonology and phonetics, as well as related courses in linguistics, applied linguistics, speech science, language acquisition, and cognitive science programs.

Assistive Technology: Principles and Applications for Communication Disorders and Special Education

A unique and accessible introduction to the field of phonetics through real-life applications and practical examples The dynamic field of phonetics, the science of the structure and function of human speech, has seen exciting technological innovations and new applications in recent years. *Applying Phonetics* introduces students to the field through a unique exploratory approach that highlights practical applications and focuses on the diverse ways in which the speech sciences influence daily life. Requiring no prior knowledge of linguistics, this accessible, student-friendly textbook introduces the key concepts in phonetics and explains their relevance to contemporary applications. Even students who have completed introductory linguistics courses will discover plenty of

new material in this volume. Rather than immediately delving into complex theoretical information, the text presents a brief overview of basic concepts and then uses applications—speech synthesis, forensic speech science, language teaching—to explain the details. This unique approach increases student interest and comprehension, clearly demonstrating how speech science is beneficial to society. Engaging, easily-relatable topics include speech anatomy and physiology, the nature of normal and disordered speech development, the origins of speech, and speech applications in forensics, music, drama, film, and business. Written by a respected expert with over 25 years' experience teaching linguistics and phonetics, this textbook Explores the wide-ranging applications of phonetics areas such as accessibility, computer speech, education, the fine arts, and business Demonstrates how practical problems have been addressed through phonetics, such as the use of speech analysis for forensic purposes Presents real-life case studies that illustrate fundamental phonetics concepts Includes exercises and activities, discussion questions, an extensive glossary, further readings, and a companion website Applying Phonetics: Speech Science in Everyday Life is an ideal text for undergraduate students with no prior knowledge of linguistics, as well as those needing to expand their knowledge of phonetic principles. It will appeal to students in education, computer science, cognitive science, biology, psychology, business, and music.

Encyclopedia of Educational Psychology

A 1939 master's thesis that has become known as the "Tudor study" prompted Dr. Goldfarb and others to revisit the ethical consideration of this study as a means of exploring ethical issues in clinical and research practices in speech-language pathology today. Over sixty years ago, under the supervision of Wendell Johnson (one of the founders of the science of speech-language pathology), graduate student Mary Tudor conducted a study to examine the effect of verbal labeling on the frequency of disfluency in both children who stuttered and children who were fluent. The subjects came from an orphanage in Davenport, Iowa. Johnson's and Tudor's findings - that they were allegedly able to induce stuttering in normally fluent children - supported their hypothesis, but have also raised serious ethical concerns. In this book, Dr. Goldfarb has gathered the leading authorities in stuttering and, together, they investigate the Tudor study and, more broadly, ethics in scientific research, diagnosis, and treatment in the field of communication sciences. Students and clinicians alike will find the accounts within this book engaging, stimulating, and ultimately relevant.

The Corsini Encyclopedia of Psychology, Volume 4

Two of the most acclaimed reference works in the area of acoustics in recent years have been our Encyclopedia of Acoustics, 4 Volume set and the Handbook of Acoustics spin-off. These works, edited by Malcolm Crocker, positioned Wiley as a major player in the acoustics reference market. With our recently published revision of Beranek & Ver's Noise and Vibration Control Engineering, Wiley is a highly respected name in the acoustics business. Crocker's new handbook covers an area of great importance to engineers and designers. Noise and vibration control is one largest areas of application of the acoustics topics covered in the successful encyclopedia and handbook. It is also an area that has been under-published in recent years. Crocker has positioned this reference to cover the gamut of topics while focusing more on the applications to industrial needs. In this way the book will become the best single source of need-to-know information for the professional markets.

Pediatric Voice

Introductory textbook for undergraduate speech-language pathology or audiology students on speech perception.

Evolutionary Linguistics

This comprehensive textbook offers a basic introduction to phonetics in an applied systematic presentation that equips the communication disorders student to deal with the wide range of speech types that will be encountered in a clinic. While the major discussion is articulatory, speech acoustics are also examined. Illustrations of sample spectrograms appear in tandem with the more traditional articulatory drawings. Two CDs of sound examples accompany the textbook. This comprehensive textbook offers a basic introduction to phonetics in an applied systematic presentation that equips the communication disorders student to deal with the wide range of speech types that will be encountered in a clinic. While the major discussion is articulatory, speech acoustics

Speech Science

The Dictionary for Human Factors/Ergonomics is a major compilation of the basic terminology in the field of ergonomics. This unique dictionary contains over 8,000 terms representing all areas of human factors. For many terms, a commentary is provided to help place the term in perspective and elaborate on its use. Applicable acronyms and abbreviations are included. Two appendices are featured in the book as well. The first appendix is an alphabetical listing of abbreviations and acronyms with their respective terms for easy cross-referencing. The second appendix contains a list of national and international organizations involved in human factors/ergonomic research and/or applications. Peer-reviewed for accuracy and comprehensiveness, The Dictionary for Human Factors/Ergonomics is an essential reference for professionals, academics, and students in engineering, psychology, safety, law, and management. It is especially useful for human factors professionals working in government and industry.

Introduction to Speech Science

Speech and Voice Science, Fourth Edition is the only textbook to provide comprehensive and detailed information on both voice source and vocal tract contributions to speech production. In addition, it is the only textbook to address dialectical and nonnative language differences in vowel and consonant production, bias in perception of speaker identity, and prosody (suprasegmental features) in detail. With the new edition, clinical application is integrated throughout the text. Due to its highly readable writing style being user-friendly for all levels of students, instructors report using this book for a wide variety of courses, including undergraduate and graduate courses in acoustic phonetics, speech science, instrumentation, and voice disorders. Heavily revised and updated, this fourth edition offers multiple new resources for instructors and students to enhance classroom learning and active student participation. At the same time, this text provides flexibility to allow instructors to construct a classroom learning experience that best suits their course objectives. Speech and Voice Science now has an accompanying workbook for students by Alison Behrman and Donald Finan! New to the Fourth Edition: * Sixteen new illustrations and nineteen revised illustrations, many now in color * New coverage of topics related to diversity, including: * Dialectical and nonnative language differences in vowel and consonant production and what makes all of us have an “accent” (Chapter 7—Vowels and Chapter 8—Consonants) * How suprasegmental features are shaped by dialect and accent (Chapter 9—Prosody) * Perception of speaker identity, including race/ethnicity, gender, and accent (Chapter 11—Speech Perception) * Increased focus on clinical application throughout each chapter, including three new sections * Updated Chapter 4 (Breathing) includes enhanced discussion of speech breathing and new accompanying illustrations. * Updated Chapter 10 (Theories of Speech Production) now includes the DIVA Model, motor learning theory, and clinical applications * Updated

Chapter 11 (Speech Perception) now includes revised Motor Learning theory, Mirror Neurons, and clinical applications *Expanded guide for students on best practices for studying in Chapter 1(Introduction) Key Features: * A two-color interior to provide increased readability * Heavily illustrated, including color figures, to enhance information provided in the text * Forty-nine spectrogram figures provide increased clarity of key acoustic features of vowels and consonants * Fourteen clinical cases throughout the book to help students apply speech science principles to clinical practice Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

Speech Science

The Sounds of Language

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