

Audiology: Science to Practice, Second Edition

By Steven Kramer

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Audiology: Science to Practice, Second Edition is a textbook for undergraduate students in audiology and speech-language pathology and for graduate students beginning an AuD program who may not have a previous background in the subject. It is designed to cover the content of both two-course sequences (Hearing Science and Principles of Audiology) as well as combined courses - providing a level of consistency in presentation. Chapters cover hearing science, diagnostic procedures, an introduction to hearing aids, and extensive coverage of anatomy and physiology of the auditory and vestibular systems. The author has taught an Introduction to Audiology course for more than 20 years, and has truly designed this text with the student in mind.

NEW TO THIS EDITION
The second edition has been updated and reorganized, and also includes two brand new chapters, one on clinical-pure tone masking and another on hearing screening. Additional details and figures have been added on vestibular anatomy and physiology, acoustic resonance, speech acoustics, middle ear wide-band power (MEWP) measures of the middle ear, and masking for speech testing. In addition, James Jerger has revised his contributed chapter on the historical pathways in audiology, including the addition of an educational audiology path, thanks to the contribution of Cheryl DeConde Johnson. Gus Mueller and Earl Johnson have also revised their chapter on hearing aids to reflect the many updates that have taken place with amplification options over the past five years.

KEY FEATURES
* Difficult concepts are well supported by figures and tables.
*Each chapter includes a list of key objectives, and key words and phrases are italicized throughout and included in a Glossary.
* Each chapter is prefaced by a list of learner outcomes and punctuated by summaries (synopses) which can be found on the easily identifiable grey pages.
* At the end of each chapter there is a supplemental topic that can be used for expanded applications.
* Includes references to the most current guidelines from the American Academy of Audiology (AAA) and the American Speech-Language-Hearing Association (ASHA).
* Audiograms and calibration values are based on the newest standards set by the American National Standards Institute.

A companion student workbook, *Audiology Workbook* is also available and sold separately.

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Audiology: Science to Practice, Second Edition By Steven Kramer Bibliography

- Sales Rank: #714541 in Books
- Published on: 2013-03-15
- Original language: English
- Number of items: 1
- Dimensions: .90" h x 8.50" w x 10.90" l, 2.30 pounds

- Binding: Paperback
- 426 pages

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Editorial Review

Review
This textbook is an exceptional read and is likely to facilitate improved clinical practices. . . . Audiology: Science to Practice, Second Edition, *reflects advances in audiology well and I would recommend this book to those with interest in the world of audiology, existing practitioners and those keen to extend their knowledge in this field. The easy-to-read format and style, use of figures and tables, learning objectives and companion workbook ensure that even the most challenging topics are easy to grasp. --Suad Hashim, Senior Audiologist; South Warwickshire NHS foundation trust, UK in ENT & Audiology News* (Vol 25, No 5), Nov/Dec 2016

About the Author
Steven Kramer, Ph.D., is a Professor in the School of Speech, Language, and Hearing Sciences at San Diego State University, where he has been a faculty member since 1985. He is also the Co-Director of the Audiology Doctoral (Au.D.) Program offered jointly by San Diego State University (SDSU) and the University California San Diego (UCSD). Dr. Kramer served as the department chair from 1990-2001. He obtained his master s and doctoral degrees in audiology and hearing science from the University of Florida. He is a licensed and certified audiologist, and continues to be active in clinic. Before his appointment at SDSU, he was a clinical faculty at the University of Texas Medical Branch in Galveston, Texas. His teaching assignments have included a wide array of courses, including diagnostics, medical audiology, evoked potentials, and anatomy/physiology. His research experience concentrates on diagnostics, including the use of auditory evoked potentials and otoacoustic emissions to describe normal auditory function, as well as the application of these measures for improving the evaluation of certain clinical impairments, especially infants at-risk for hearing loss.

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