

**Amy T. Neel      Department of Speech and Hearing Sciences      01/19/2016**

### **Educational History**

Ph.D., August, 1998, Indiana University, Bloomington, Indiana

Majors: Speech and Hearing Science and Cognitive Science

Dissertation: Factors Influencing Vowel Identification in Elderly Hearing-Impaired Listeners

Advisor: Diane Kewley-Port

M.S., May, 1984, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

Major: Speech Pathology

Thesis: Effects of Speech Sample Type on Children's Segmental Durations

Advisor: Walter Cullinan

B.S., May, 1982, Texas Christian University, Fort Worth, Texas

Major: Speech Pathology

### **Employment History**

Associate Professor, 8/01 – present

Department of Speech and Hearing Sciences

University of New Mexico, Albuquerque, NM

Assistant Professor, 8/01 – 7/08

Department of Speech and Hearing Sciences

University of New Mexico, Albuquerque, NM

Assistant Professor, 8/98 – 7/01

Department of Audiology and Speech Sciences

Purdue University, West Lafayette, IN

Associate Instructor/Research Assistant, 8/94 – 8/98

Department of Speech and Hearing Sciences and Department of Psychology

Indiana University, Bloomington, IN

Speech Pathologist, 5/92 - 8/93

RehabCare Corporation, Mainland Center Hospital, Texas City, TX

Research Technician III, 5/91 - 5/92

Stuttering Center Speech Motor Control Laboratory, Department of Neurology,

Baylor College of Medicine, Houston, TX

Speech Pathologist, 9/90 - 5/91

RehabCare Corporation, Mainland Center Hospital, Texas City, TX

Speech Pathologist II, 4/88 - 8/90

Center for Audiology and Speech Pathology,

University of Texas Medical Branch, Galveston, TX

Speech Pathologist I, 6/85 - 3/87  
Center for Audiology and Speech Pathology  
University of Texas Medical Branch, Galveston, TX

Speech Pathologist, 5/84 - 5/85  
Irwin Lehrhoff and Associates, Houston, TX

**Professional Recognition, Honors, Etc.**

Phi Beta Kappa, 5/82

TCU Senior Scholar in Speech Pathology, 5/82, Texas Christian University

Colin Munro MacLeod Research Fellowship, 8/82 – 8/84, University of Oklahoma Health  
Sciences Center, Oklahoma Medical Research Foundation

Cognitive Science Fellowship, 8/93 – 5/94, Cognitive Science Program, Indiana University

Cognitive Science Summer Research Fellowship, 5/94 – 8/94, Cognitive Science  
Program, Indiana University

NIH Predoctoral Training Grant Fellowship, 8/94 – 5/95, Speech Research Laboratory,  
Department of Psychology, Indiana University

Young Investigator Travel Award, 5/00, Committee on Women in Acoustics, Acoustical Society  
of America

Nominated for Gunter Starkey Teaching Award, 5/06

Nominated for UNM Teacher of the Year, 2006, 2008, and 2010

Department of Speech and Hearing Sciences Teacher of the Year Award, 5/10

## **Short Narrative Description of Research, Teaching, and Service Interests**

Much of my research focuses on speech intelligibility and acoustic analysis of normal and disordered speech. Regarding normal adult speakers, my article on the relation between vowel space and vowel identifiability (Neel, 2008) has been cited in a wide variety of journals including *Journal of Speech, Language, and Hearing Research*, *Journal of the Acoustical Society of America*, *Journal of Voice*, *Cognition*, and *Developmental Science*. I am exploring speech intelligibility in individuals with Parkinson disease (PD) and oculopharyngeal muscular dystrophy (OPMD) by relating intelligibility measures (sentence transcription accuracy and listener ratings of intelligibility) to subjective and objective measures of speech subsystems including rate, stress, intonation, articulation, voice quality, and nasality. Currently I am comparing listener profiles of intelligibility and subsystem ratings for loud and habitual speech produced by speakers with PD, extending previous work on loud speech and intelligibility (Neel, 2009). I also used the listener profiles approach in assessing the impact of OPMD on speech intelligibility (Neel et al., 2014).

A second line of work has examined the impact of muscle strength on speech production and swallowing in normal and disordered speakers. Neel et al. (2015) and Neel et al. (2006) documented the minimal impact of oral weakness on speech production in speakers with OPMD while Palmer et al. (2010) described the greater effect of oral weakness on swallowing in this population. Additionally, Neel and Palmer (2012) showed that tongue strength was only weakly related to tongue speed in diadochokinetic rate tasks and connected speech in normal adults.

Recently, I have begun to study intelligibility in second language learners of English with a goal of determining therapy targets for improved communication skills in this population. One current study uses the subsystems profile technique I originally developed for disordered speech to determine predictors of English intelligibility in 48 speakers from 12 native languages. I have also begun to collaborate with a colleague in the Department of Computer Science, Dr. Abdullah Mueen, to perform a statistical analysis of allophones used by hundreds of second language speakers of English from the George Mason University Speech Accent Archive.

Finally, I am collaborating with Dr. Rick Arenas to understand the changes in motor behaviors associated with stuttering adaptation, the reduction in disfluency with repeated readings of the same passage. We are employing acoustic analysis to determine changes in articulation and voice over repeated readings.

My teaching interests center on basic science education for undergraduate speech and hearing science students. My teaching portfolio includes Introduction to Phonetics (SHS 303) and Introduction to Communication Sciences (SHS 330), Anatomy and Physiology for Human Communication (SHS 310), and Neural Bases for Speech and Hearing (SHS 450). In addition, I have taught a speech disorders course for graduate students, Motor Speech Disorders and Stuttering (SHS 531). SHS 531 has recently been separated into two courses, so it will be revised for Fall 2015 to cover motor speech disorders for children in greater detail. In all my courses, I focus on applying knowledge of acoustic and physiologic principles to diagnosing and treating speech disorders. I am involved in sharing knowledge about teaching speech science to others in our field through Special Interest Group publications (Neel, 2010) and presentations at the American Speech-Language-Hearing Association Convention (Finan, Tasko, Dromey, Mandulak, & Neel, 2013; Rogers & Neel, 2003).

My primary service for the department involves chairing the comprehensive examination committee, curriculum committee and providing undergraduate advising and mentoring. I have also been extensively involved in university service. Currently, I am serving a three-year term as Faculty Athletics Representative to the NCAA. In recent years I have also served as President of the Faculty

Senate, Chair of the Faculty Senate Undergraduate Committee, and Chair of the Faculty Senate Academic Council. I have been involved in numerous university committees focused on student success including the First Year Steering Committee, Provost's Committee on Academic Success, and the LoboAchieve Steering Committee. Regarding service to the profession, I was appointed Associate Editor for the Journal of Speech, Language, and Hearing Research in 2014 and serve on committees for the American Speech-Language-Hearing Association and the Acoustical Society of America.

## Scholarly Achievements

### Articles in Refereed Journals

Hamooni, H., Abdullah M., and Neel, A. "Phoneme sequence recognition via DTW-based classification." *Knowledge and Information Systems* (2015): 1-23.

Neel, A.T., Boyd, E.C., Corral, M.E., & Sanchez, D.L. (Commentary authors) (2015). Randomized variable practice appears to be effective in the acquisition and generalization of speech sounds in childhood apraxia of speech. *Evidence-Based Communication Assessment and Intervention*, DOI: 10.1080/17489539.2015.1066561.

Neel, A.T., Palmer, P.M., Sprouls, G., & Morrison, L. (2015). Muscle weakness and speech in oculopharyngeal muscular dystrophy. *Journal of Speech, Language, and Hearing Research*, 58, 1-12.

Neel, A.T., & Palmer, P.M. (2012). Is tongue strength an important influence on rate of articulation in diadochokinetic and reading tasks? *Journal of Speech, Language, and Hearing Research*, 55, 235-246.

Palmer, P., Neel, A., Sprouls, G., & Morrison, L. (2010). Swallow characteristics in patients with oculopharyngeal muscular dystrophy, *Journal of Speech, Language, and Hearing Research*, 53, 1567-1578.

Neel, A.T. (2009). Intelligibility of loud, amplified, and habitual speech in Parkinson Disease, *Journal of Speech, Language, and Hearing Research*, 52, 1021-1033.

Neel, A.T., Palmer, P.M., & Gass, C.A. (2008). Can IOPI be used to measure tongue pressure for speech sounds? , *Journal of Medical Speech-Language Pathology*, 16, 235-241.

Neel, A.T. (2008). Vowel space characteristics and vowel identification accuracy. *Journal of Speech, Language, and Hearing Research*, 51, 574-585.

Neel, A.T., Palmer, P.M., Sprouls, G., & Morrison, L. (2006). Tongue strength and speech intelligibility in oculopharyngeal muscular dystrophy. *Journal of Medical Speech-Language Pathology*, 14, 273 – 277.

Palmer, P.M., McCulloch, T.M., Jaffe, D., & Neel, A.T. (2005). Effects of a sour bolus on the intramuscular electromyographic activity of muscles in the submental region, *Dysphagia*, 20, 210-217.

**Neel, A.T.** (2004). Formant detail needed for vowel identification. *Acoustics Research Letters Online*, 5, 125 – 131.

Kewley-Port, D., Li, X., Zheng, Y., and **Neel, A.** (1996). Fundamental frequency effects on thresholds for vowel formant discrimination. *Journal of the Acoustical Society of America*, 100, 2562-2570.

Viswanath, N.S. & **Neel, A.T.** (1995). Part-word repetitions by persons who stutter: Fragment type and their articulatory processes. *Journal of Speech and Hearing Research*, 38, 740 – 750.

**Beardsley, A.N.** & Cullinan, W.L. (1987). Speech sample type and children's segmental durations. *Journal of Phonetics*, 15, 29 - 38.

### **Articles Appearing in Chapters in Edited Volumes**

Kewley-Port, D. & **Neel, A.T.** (2006). Perception of dynamic properties of speech: Peripheral and central processes. In S. Greenberg and W. Ainsworth (Eds.) *Listening to Speech: An Auditory Perspective* (pp. 49 – 61). Mahwah, N.J.: Lawrence Erlbaum Associates.

Strunk, C.L., Calhoun, K.H., **Beardsley, A.N.**, & Gary, L. (1990). Communicative aspects of aging. In J.T. Johnson, A. Blitzer, R.H. Ossoff, & J.R. Thomas (Eds.). *Instructional Courses* (pp. 45 - 62). St. Louis: Mosby Year Book.

### **Other Writings**

**Neel, A.T.** (2010). Using acoustic phonetics in clinical practice. *Perspectives on Speech Science and Orofacial Disorders*, 20, 14 - 24.

**Neel, A.T.** (2008). Book review of Preclinical Speech Science: Anatomy, Physiology, Acoustics, Perception. *Perspectives on Speech Science and Orofacial Disorders*, 18, 48 - 50.

Palmer, P.M., & **Neel, A.T.** (2006). Oculopharyngeal muscular dystrophy. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders*, 16, 17 – 21.

Kewley-Port, D., & **Neel, A.T.** (1998). Relation between discrimination and identification of English vowels. In Proceedings of the 16<sup>th</sup> International Congress on Acoustics and the 1345<sup>th</sup> Meeting of the Acoustical Society of America (pg. 2039 – 2040). New York: American Institute of Physics.

**Neel, A.T.**, Bradlow, A.R., & Pisoni, D.B. (1997) Intelligibility of normal speech II: Analysis of transcription errors. In Research on Spoken Language Perception, Progress Report No. 21 (pg. 421 – 437). Bloomington, Indiana: Speech Research Laboratory, Indiana University.

### **Works in Progress**

**Neel, A.T.**, & Koops, C. The role of voice quality in perception of vowels produced by speakers with Parkinson disease. Research design in progress.

**Neel, A.T., Arenas, R., & Mizusawa, C.** Adaptation revisited: acoustic analysis of repeated readings by individuals who stutter. Data collection and analysis in progress.

**Neel, A.T.** Listener profiles of habitual and trained loud speech in Parkinson disease. Data analysis in progress.

**Neel, A.T.** Listener profiles of accented English. Manuscript in progress.

**Neel, A.T.** Statistical analysis of allophones used by speakers of accented English. Data analysis in progress.

### **Invited or Refereed Abstracts and/or Presentations at Professional Meetings**

**Neel, A., Arenas, R., & Misuzawa, C.** (2016, March). Changes in Disfluent Speech with Adaptation in Stuttering. Poster presented at the Conference on Motor Speech, Newport Beach, CA.

**Neel, A., Ruiz, Y., Precure, M., & Nieman, S.** (2015, November). Listener profiles for loud and habitual speech in Parkinson disease. Technical research seminar presented at the American Speech-Language-Hearing Association Convention, Denver, CO.

**Neel, A., & Long, E.** (2015, November). Listener profiles of accented English speech. Talk presented at the American Speech-Language-Hearing Association Convention.

**Neel, A.T.** (2014, October). Vowels and intelligibility in dysarthric speech. Invited talk presented at the Acoustical Society of America, Indianapolis, IN.

**Neel, A.T.** (2014, March). Explanatory test of speech intelligibility. Poster presented at the Conference on Motor Speech, Sarasota, FL.

**Neel, A.T., & Do, Q.N.** (2013, November). Adaptation revisited: An acoustic analysis of disfluencies in repeated readings. Poster presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Finan, D., Tasko, S., Dromey, C., Mandulak, K., & Neel, A.** (2013, November). Speech science: Does anybody know how to teach this stuff? Seminar presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Neel, A.T.** (2013, April). OPMD and Speech. Invited talk presented at the OPMD Patient and Family Conference sponsored by the Muscular Dystrophy Association, Albuquerque, NM.

**Neel, A.T., & Palmer, P.M.** (2012, March). The effect of weakness on speech and swallowing in oculopharyngeal muscular dystrophy. Poster presented at the Conference on Motor Speech, Santa Rosa, CA.

**Ewing-Buck, C., & Neel, A.T.** (2010, November). Brief intelligibility rating scale. Talk presented at the American Speech-Language-Hearing Convention, Philadelphia, PA.

- Neel, A.T.,** Palmer, P.M., Martin, B.J., & Cunnington, D.S. (2010, March). Diadochokinetic speech rates and tongue strength. Poster presented at the Conference on Motor Speech, Savannah, GA.
- Neel, A.T.** & Ewing, C. S. (2009, May). Cross-dialect differences in vowel identification. Poster presented at the Acoustical Society of America, Portland, OR.
- Neel, A.T.,** Palmer, P.M., & Gass, C.A. (2008, April). Can IOPI be used to measure tongue pressure for speech sounds? Poster presented at the Conference on Motor Speech, Monterey, CA.
- Neel, A.T.** (2007, November). Speech intelligibility and the vowel space: Normal speech. Invited talk presented at the Acoustical Society of America, New Orleans, LA.
- Palmer, P.M. & **Neel, A.T.** (2007, November). Speech and swallowing oculopharyngeal muscular dystrophy. Invited talk presented at the OPMD Family Conference sponsored by the Muscular Dystrophy Association, Albuquerque, NM.
- Neel, A.T.** & Andruski, J.E. (2007). Vowel identification and vowel space characteristics. *Journal of the Acoustical Society of America*, 121, 3187.
- Neel, A.T.** & Beveridge, A.C. (2006, November). Identification of loud- and habitual-level vowels in Parkinson disease. Poster presented at the American Speech-Language-Hearing Convention, Miami, FL.
- Neel, A.T.,** Palmer, P., Sprouls, G., & Morrison, L. (2006, March) Tongue strength and speech in oculopharyngeal muscular dystrophy. Poster presented at the Conference on Motor Speech, Austin, TX.
- Neel, A.T.** & Beveridge, A.C. (2005, November). Segmental errors in loud and habitual speech in Parkinson disease. Poster presented at the American Speech-Language-Hearing Association Convention, San Diego, CA.
- Palmer, P.M., **Neel, A.T.**, Sprouls, G. S., Romero-Clark, C., & Morrison, L. (2005, November). Voice, speech, and swallowing characteristics in patients with oculopharyngeal muscular dystrophy. Poster presented at the American Speech-Language-Hearing Association Convention, San Diego, CA.
- Rout, A., Laflen, J.B., **Neel, A.T.**, Long, G.L., & Ricketts, T.A. (2005 September). The effect of spectral enhancement on speech perception. Presented at the Veterans Administration Biennial International Conference on Geriatric Audiology, Portland , OR .
- Palmer, P.M., **Neel, A.T.**, & Romero-Clark, C. (2005, October). Speech and Swallowing in Oculopharyngeal Muscular Dystrophy. Invited talk presented at the OPMD Family Conference sponsored by the Muscular Dystrophy Association, Albuquerque, NM.
- Neel, A.T.** (2004, November). Intelligibility of loud and amplified speech in Parkinson Disease. Poster

presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Rogers, C. L., & **Neel, A.T.** (2003, November). Low-cost software for speech science teaching and research. Invited talk presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Neel, A.T.** (2002, March). Speech perception, hearing impairment, and hearing aids. Invited talk presented at the 11<sup>th</sup> Annual Southwest Conference on Communicative Disorders, Albuquerque, NM.

**Neel, A.T.**, Krishnan, A., & Collins, K. (2001). Use of formant movement detail in vowel identification. *Journal of the Acoustical Society of America*, 109, 10.

Rout, A., Laflen, J.B., **Neel, A.T.**, & Ricketts, T.A. (2000, August). Effects of spectral enhancement on the speech recognition performance of individuals with cochlear hearing loss. Talk presented at the International Hearing Aid Research Conference, Lake Tahoe, CA.

**Neel, A.T.** & Rout, A. (2000). Phoneme recognition before and after hearing aid fitting. *Journal of the Acoustical Society of America*, 107, 2886.

**Neel, A.T.** (2000, March). Immediate and long-term hearing aid benefit: A phonetic analysis. Poster presented at the 12<sup>th</sup> Annual Convention of the American Academy of Audiology, Chicago, IL.

**Neel, A.T.** (1999). Effects of talker differences on vowel identification. *Journal of the Acoustical Society of America*, 106, 2272.

Kewley-Port, D. & **Neel, A.T.** (1998). Relation between discrimination and identification of English vowels. *Journal of the Acoustical Society of America*, 103, 2983.

**Neel, A.T.** (1997). Factors affecting vowel identification in hearing-impaired listeners. *Journal of the Acoustical Society of America*, 102, 3095.

**Neel, A.T.**, & Kewley-Port, D. (1996). Dynamic cues in vowel identification: A training study. *Journal of the Acoustical Society of America*, 99, 2593.

**Neel, A.T.** (1995). Intelligibility of normal talkers: Error analysis. *Journal of the Acoustical Society of America*, 98, 2982.

**Neel, A.T.**, & Kewley-Port, D. (1994). Formant movement and duration cues in the identification of vowels. *Journal of the Acoustical Society of America*, 96, 32

Kewley-Port, D., Li, X., Zheng, Y., & **Beardsley, A.** (1994). Fundamental frequency effects on thresholds for vowel formant discrimination. *Journal of the Acoustical Society of America*, 95, 2978.



Viswanath, N.S., **Beardsley, A.N.**, & Rosenfield, D.B. (1992). Intergestural temporal coordination in stutterers under varying speaking conditions. *ASHA*, 34, No. 10, 155.

Viswanath, N.S., & **Beardsley, A.N.** (1992). Resolution of part-word repetitions by stutterers: A temporal-spectral study. *Journal of the Acoustical Society of America*, 91, 2363.

**Beardsley, A.N.** & Cullinan, W.L. (1986). Effects of speech sample type on children's segmental durations. *ASHA*, 28, No. 10, 88.

## **Research Funding**

Speech and Voice Characteristics of Oculopharyngeal Muscular Dystrophy

Neel, A.T.

Research Allocations Committee Small Grant, University of New Mexico

11/05 – 09/06

\$3700

Relation Between Speech Intelligibility and Loudness in Treatment of Speech Disorders Related to Parkinson Disease

Neel, A.T.

Research Allocations Committee Small Grant, University of New Mexico

12/02 – 9/03

\$2580

The Use of Formant Movement in Vowel Identification

Neel, A.T.

2000 Research Grant in Speech Science, American Speech-Language-Hearing Foundation/Acoustical Society of America

1/01 – 12/01

\$5000

Speech Sound Recognition Training for New Hearing Aid Users

Neel, A.T.

Clifford Kinley Trust Award, Purdue University

8/00 – 8/01

\$10,945

Speech Sound Recognition in Elderly First-Time Hearing Aid Users

Neel, A.T.

Gerontology Program Pilot Grant, Purdue University Gerontology Program

5/00 – 4/01

\$6150

Evaluation of a Speech Recognition Based Noise Reduction Algorithm in Hearing Aid Related Applications

Neel, A.T. and Rout, A.

Purdue Research Foundation Research Grant

8/00 – 7/01

\$12,646

Phoneme Recognition Before and After Hearing Aid Fitting  
Neel, A.T.  
Purdue University School of Liberal Arts Faculty Incentive Grant  
1/00 – 12/00  
\$540

Factors in Speech Understanding by Adult Hearing Aid Users  
Neel, A.T.  
Purdue Research Foundation Summer Research Grant  
5/99 – 8/99  
\$5000

***Not funded***

Adaptation Revisited: An Acoustic Analysis of Repeated Readings in Individuals Who Stutter  
Neel, A.T.  
National Stuttering Association  
12/12  
\$2365

CAPCSD Current and Alternative Educational Outcomes Grant  
Neel, A.T.  
Council on Academic Programs in Communication Sciences and Disorders  
9/14  
\$4920

**Teaching**

Doctoral Advisement

Chair for Ayaskanta Rout, “Evaluation of a Speech Recognition Based Noise Reduction Algorithm in Hearing Aid Related Applications”, Purdue University, degree awarded 12/05, currently Associate Professor in the Department of Communication Sciences and Disorders at James Madison University, Harrisonburg, VA  
Committee member for Carl Tyler Johnson, Department of Applied Linguistics, Purdue University, degree expected 5/16.  
Committee member for Susan Brumbaugh, Department of Linguistics, degree expected 05/15.  
Committee member for Paul Edmunds, Department of Linguistics, degree awarded 10/09.

Masters Advisement

Chair for Chloe Misuzawa, “Adaptation Revisited: An Acoustic Analysis of Repeated Readings in Adults who Stutter,” degree expected 5/16.  
Chair for Cai Ewing Buck, “Reliability and Agreement of a Brief Intelligibility Rating Task,” degree awarded 8/10.  
Committee member for Diondra Maestas, degree expected 5/15  
Committee member for Gwyneth Sprouls, degree awarded 12/08

Committee member for Maria Chisholm, degree awarded 5/08  
Committee member for Rachel Hines, degree awarded 5/03

#### Bachelor's Honors Advisement

Committee member for Linda Jaskolski, degree awarded 5/07

#### Undergraduate Student Mentoring:

Yaritza Ruiz – 2014 – present (McNair Scholar)

Madeleine Precure, Erin McNeilly, Sarah Nieman, Christine Shirkey, Brittney Lee – 2015-2016

Quynh Do – 2012 - 2014 (McNair Scholar, ASHA SPARC award recipient)

Benjamin Martin – Fall, 2009

Dylan Cunnington – Spring, 2009

Krysten Gass - Spring, 2008

Gwyneth Sprouls

Participant in Posters on the Hill Program sponsored by Council on Undergraduate  
Research, April, 2006

Winner of PROFOUND Undergraduate Research Symposium prize, April, 2005

### **Classroom Teaching**

University of New Mexico

2016, Spring Introduction to Phonetics, SHS/LING 303, n = 53

2015, Fall Introduction to Communication Sciences, SHS 330, n = 82  
Motor Speech Disorders, SHS 531, n = 15

2015, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 69

2014, Spring Introduction to Phonetics, SHS/LING 303, n = 70

2013, Fall Introduction to Communication Sciences, SHS 330, n = 75  
Neural Bases of Communication, SHS 450, n = 61

2013, Spring Introduction to Phonetics, SHS/LING 303, n = 77

2012, Fall Motor Speech Disorders and Stuttering, SHS 531, n = 18

2012, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 74  
Introduction to Phonetics, SHS/Ling 303, n = 72

2011, Fall Introduction to Communication Sciences, n = 50  
Motor Speech Disorders and Stuttering, n = 14

2011, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 78  
Introduction to Phonetics, SHS/Ling 303, n = 60

2010, Fall Introduction to Communication Sciences, n = 63

Motor Speech Disorders and Stuttering, n = 11

2010, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 70  
Introduction to Phonetics, SHS/Ling 303, n = 64

2009, Fall Introduction to Communication Sciences, n = 46  
Motor Speech Disorders and Stuttering, n = 17

2009, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 60  
Introduction to Phonetics, SHS/Ling 303, n = 49

2008, Fall Introduction to Communication Sciences, n = 54  
Motor Speech Disorders and Stuttering, n = 16

2008, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 64  
Introduction to Phonetics, SHS/Ling 303, n = 46

2007, Fall Introduction to Communication Sciences, n = 50  
Motor Speech Disorders and Stuttering, n = 24

2007, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 50  
English Phonetics, SHS/Ling 303, n = 46

2006, Fall Introduction to Communication Sciences, SHS 330, n = 50  
Motor Speech Disorders and Stuttering, SHS 531, n = 22

2006, Spring Anatomy and Physiology of Human Communication, SHS 310, n = 49  
English Phonetics, SHS/Ling 303, n = 37

2005, Fall Introduction to Communication Sciences, SHS 330, n = 54  
Motor Speech Disorders and Stuttering, SHS 531, n = 34

2005, Spring Anatomy and Physiology of Human Communication, SHS 310/510, n = 55  
English Phonetics, SHS/Ling 303, n = 50

2004, Fall Introduction to Communication Sciences, SHS 330, n = 67  
Motor Speech Disorders and Stuttering, SHS 531, n = 17

2004, Spring Anatomy and Physiology of Human Communication, SHS 310/510, n = 66  
English Phonetics, SHS/Ling 303, n = 46

2003, Fall Research leave – no courses taught

2003, Spring Anatomy and Physiology of Human Communication, SHS 310/510, n = 76

2002, Fall Introduction to Communication Sciences, SHS 451 (330), n = 29

Motor Speech Disorders and Stuttering, SHS 531, n = 24

2002, Spring English Phonetics, SHS/Ling 303, n = 39  
Neuromotor Speech/Augmentative and Alternative Communication, SHS 531, n = 10

2001, Fall Phonological Disorders in Children, SHS 428, n = 28

Northern Arizona University

2005, Sum I Neuropathologies of Speech, CSD 551, n = 29

Purdue University

2001, Spring Acoustic Bases of Speech and Hearing, AUS 302, (includes supervision of five lab sections), n = 60  
Motor Speech Disorders, AUS 538, n = 20

2000, Fall Anatomy and Physiology of the Speech and Hearing Mechanism, AUS 304, (includes supervision of six lab sections), n = 60  
Fundamentals of Speech Production and Perception, AUS 502 (includes supervision of two lab sections), n = 20

1999, Fall Anatomy and Physiology of the Speech and Hearing Mechanism, AUS 304, (includes supervision of six lab sections), n = 71  
Fundamentals of Speech Production and Perception, AUS 502 (includes supervision of two lab sections), n = 21

1999, Spring Acoustic Bases of Speech and Hearing, AUS 302, (includes supervision of six lab sections), n = 84  
Experimental Phonetics, AUS 606, n = 6

1998, Fall Anatomy and Physiology of the Speech and Hearing Mechanism, AUS 304, (includes supervision of six lab sections), n = 81  
Fundamentals of Speech Production and Perception, AUS 502 (includes supervision of two lab sections), n = 34

## **Service**

Administrative work with professional societies

Associate Editor for Speech, Journal of Speech, Language, and Hearing Research (2014 – present)

Editorial Board Member, American Speech-Language-Hearing Association Special Interest Division 5 Perspectives on Speech Science and Orofacial Disorders (2012 – present)

Stetson Scholarship Committee, Acoustical Society of America (2014- present)

Mountain West Conference Recognition Committee (2015 – present)

Speech Science Committee for 2014 American Speech-Language-Hearing Convention

Tenure external reviewer for Southern Illinois University-Carbondale Rehabilitation Institute (2013)

Motor Speech in Adults and Children Committee for 2010 American Speech-Language-Hearing Convention

Reviewer for LabPhon 12, International Conference on Laboratory Phonology (2010)

Special Award Judge for Intel International Science and Engineering Fair for Acoustical Society of America (May, 2007)  
Speech Science Committee for 2006 American Speech-Language-Hearing Association Convention  
Committee on Education in Acoustics, Acoustical Society of America (2000 – present)

#### Reviewing

Editorial Consultant for American Journal of Speech-Language Pathology (2015)  
Wolters-Kluwer Health (2014), Reviewer for textbook revision, *Neuroscience for the Study of Communicative Disorders* by Bhatnagar.  
Editorial Consultant for Journal of Speech, Language, and Hearing Research (1997 - 2014)  
Editorial Consultant for Journal of Communication Disorders (2012 - 2014)  
Editorial Consultant for Perspectives on Speech Science and Orofacial Disorders (2010 – 2013)  
Editorial Consultant for Disability and Rehabilitation (2013)  
Editorial Consultant for Journal of the Acoustical Society of America (2000 – 2012)  
Editorial Consultant for Neurodegenerative Disease Management (2012)  
Editorial Consultant for Folia Phoniatrica (2011)  
Editorial Consultant for Journal of Phonetics (2011)  
Editorial Consultant for Ear and Hearing (1999)  
Psychology Press (2010), Reviewer for Vowel Disorders book proposal  
Wolters-Kluwer Publishing/Lippincott Williams & Wilkins, (2008-2009), Reviewer for textbook manuscript, *Anatomy and Physiology of Human Communication* by Fuller et al.  
Wolters-Kluwer Publishing/Lippincott Williams & Wilkins, (2009), Reviewer for two chapters of Treatment of Stuttering: Established and Emerging Interventions by Guitar and McCauley  
Allyn & Bacon Publishing (2007) Reviewer for proposed textbook, *Anatomy of Human Communication and Its Disorders*.  
Wolters-Kluwer Publishing (2006) Reviewer for proposed revisions to *Stuttering: An Integrated Approach to Its Nature and Treatment, 3<sup>rd</sup> Edition*  
Thieme New York Publishing (2006) Reviewer for proposed textbook, *Anatomy and Physiology for Speech, Language, and Hearing*  
Allyn & Bacon Publishing (2006) Reviewer for proposed revisions to *Fundamentals of Sound with Applications to Speech and Hearing* and for a proposed book, *The Small Book of Hearing Science*  
Lippincott, Williams, & Wilkins Publishing (2005) Reviewer for proposed revisions to *Speech Science Primer, 5<sup>th</sup> Edition*  
Springer-Verlag Publishing (2000) Reviewer for proposed speech and hearing anatomy text

#### University service

NCAA Faculty Athletics Representative (2014 – present)  
Faculty Senate Admissions and Registration Committee (2014 – present)  
College of Arts and Sciences Sabbatical Review Committee (2015 – present)  
College of Arts and Sciences Junior Promotion and Tenure Committee (2015)  
Commencement and Freshman Convocation Marshal (2011- present)  
Past President of Faculty Senate (2013 – 2014)  
First Year Steering Committee (2013 – 2014)

Exploratory Committee for College of Population Health (2014)  
 Exploratory Committee for Institute/School of Public Policy (2013)  
 Academic Technology Committee (2013)  
 University Based Retirement Community Committee (2013)  
 Civil Campus Council (2013)  
 Tuition and Fee Policy Committee (2013)  
 CAPS Director Search Committee (2013)  
 UNM 2020 Strategic Plan (2012 – 2013)  
 Secretary of UNM Alpha Chapter of the Phi Beta Kappa Honor Society (2011 – 2014)  
 President of the Faculty Senate (2012 - 2013)  
 Strategic Budget Leadership Team (2012 – 2013)  
 RCM/PBB Steering Committee and Institutional Support Subcommittee (2012 – 2013)  
 Development and Alumni Strategy Committee (2013 - 2014)  
 UNM Naming Committee (2012 – present)  
 Instruction Assessment Working Group (2012)  
 Lobo Reading Experience Selection Committee (2012 – 2013)  
 LoboAchieve (Starfish) Steering Committee (2012 - 2013)  
 Foundations of Excellence Steering Committee (2012 – 2013)  
 Foundations of Excellence Faculty Dimension Co-Chair (2012 – 2013)  
 Inauguration Symposia Committee Chair (2012)  
 President-Elect of the Faculty Senate (2011- 2012)  
 Co-Chair of Tuition and Fee Team (2011- 2012)  
 University Council on Academic Priorities (2011 - 2012)  
 Provost's Committee on Academic Success (2011 - 2013)  
 Chair of Faculty Senate Academic Council (2010 – 2012)  
 Selection Committee for Head Football Coach (2011)  
 Search Committee for Director of University Advising (2011)  
 Faculty Senate Operations Committee (2010 – present)  
 Chair of Faculty Senate Undergraduate Committee (2009 – 2011)  
 President of UNM Alpha Chapter of the Phi Beta Kappa Honor Society (2009 – 2011)  
 Provost's Core Curriculum Task Force (2010 – 2011)  
 Provost's Committee on Advising (2010 – 2011)  
 Student Advising Council (2010 – 2011)  
 Core Curriculum Task Force (2009 – 2010)  
 Multi-term Scheduling and Enrollment Committee (2009-2010)  
 Faculty Senate Undergraduate Committee (2008 – 2009)  
 College of Arts and Sciences Undergraduate Committee (2003 – 2010)  
 Phi Beta Kappa candidate review (2006-2008)  
 PROFOUND Undergraduate Research Symposium Judge (2006)  
 College of Arts and Sciences Scholarship Committee (2004)

#### Administrative work in department

Chair of Comprehensive Examination Committee (2015 – present)  
 Chair of Curriculum Committee (2008 – present)  
 Faculty Search Committee (2013)  
 Business Plan Committee (2011 – 2013)

Undergraduate Advisor (2003 – 2013)  
Chair of Audiology Lecturer Position Search Committee (2007)  
Curriculum Committee (2007)  
Department Webmaster (2002 – 2009)  
Library Liaison (2001-2008)  
Chair of Curriculum Revision Committee (2001-2002)  
Public Information Committee (2001 – 2002)