

## **COURSE CURRICULUM**

- **Scientific Foundations of NMT**
- **Neuropathology/ Disease Review**
- **Sensorimotor Techniques:**
  - Rhythmic Auditory Stimulation
  - Pattern Sensory Enhancement
  - Therapeutic Instrumental Playing
- **Speech Techniques:**
  - Melodic Intonation Therapy
  - Musical Speech Stimulation
  - Rhythmic Speech Cueing
  - Vocal Intonation Therapy
  - Therapeutic Singing
  - Oral Motor and Respiratory Exercises
  - Developmental Speech and Language Training through Music
  - Symbolic Communication Training through Music
- **Cognitive Techniques:**
  - Music Neglect Training
  - Auditory perception Training
  - Musical Attention Control Training
  - Musical Mnemonics Training
  - Associative Mood and Memory Training
  - Musical Executive Functions Training
  - Music Psychosocial Training

## Typical Training Schedule

### Day 1

- 8:00-8:30 Welcome (Coffee Provided)
- 8:30-10:30 Introduction to Principles of Neurologic Music Therapy: Scientific Models, Research, and the Role of Music in Therapy and Medicine
- 10:30 Refreshment Break Provided
- 10:45-1:00 Neuropathology Disease Review
- 1:00-2:00 Lunch Provided
- 2:00-2:30 Transformational Design Model/Assessment
- 2:30-5:30 Speech and Language

### Day 2

- 8:30-9:30 Speech/Language Clinical Practice
- 9:30-10:30 Patterned Sensory Enhancement (PSE)
- 10:30 Refreshment Break
- 10:45-1:00 Therapeutic Instrumental Music Performance (TIMP)
- 1:00-2:00 Lunch
- 2:00-3:30 Sensorimotor Practice Session I (PSE, TIMP)
- 3:30-5:00 Sensorimotor Practice Session II (PSE, TIMP)
- 5:00-6:00 Gait Assessment

### Day 3

- 8:30-10:00 RAS Gait Training
- 10:00-11:00 RAS Practice Session
- 11:00 Refreshment Break
- 11:15-1:00 Cognitive Rehabilitation
- 1:00-2:00 Lunch
- 2:00-4:30 Cognitive Rehabilitation
- 4:30-5:30 NMT with Developmental Disabilities

### Day 4

- 8:30-11:30 Cognitive Rehabilitation
- 11:30-12:30 Final Evaluation

This International Training Program of the Academy is endorsed by the World Federation of Neurologic Rehabilitation (WFNR), by the European Federation of Neurorehabilitation Societies (EFNS), and the International Society for Clinical Neuromusicology (CNM). Training is also approved by the U.S. Certification Board for Music Therapists (CBMT) as advanced provider for Continuing Music Therapy Education (CMTE) credits [The Robert F. Unkefer Academy for Neurologic Music Therapy, #P-105, maintains responsibility for program quality and adherence to CBMT policies and criteria].

**The 30-hour Institute will provide the board-certified music therapist with 36 CMTE credits that can be applied towards recertification. Your certificate of completion can be submitted as proof of your attendance and participation. Completion of this course does not ensure that the participant is currently a Board Certified Music Therapist (MT-BC). Verify music therapy board certification status at [www.cbmt.org](http://www.cbmt.org).**

\*\*\*\*\***ACADEMY TEACHING FACULTY**\*\*\*\*\*



**Dr. Michael H. Thaut**

Michael H. Thaut received his Masters in Music in 1980 and his PhD in music with a cognate minor in movement science in 1983, both from Michigan State University. He is also a graduate of the Mozarteum Music Conservatory in Salzburg/Austria. At Colorado State University he was a Professor of Music and a Professor of Neuroscience and served as CoDirector of the School of the Arts and Chairman of the Department of Music, Theater, and Dance from 2001-2010. He was also the director of the Center for Biomedical Research in Music for 11 years. He has been a Visiting Professor in medical and music schools around the world (Germany, Italy, USA, Japan), and 2010-2012 was chancellor of the University System of the SRH-Foundation Heidelberg. He currently is Professor of Music with cross appointments in Neuroscience and Rehabilitation Science at the University of Toronto where he directs the Music and Health Research Collaboratory (MaHRC) and the Masters/PhD programs in Music and Health Sciences. He has been a Visiting Professor in medical and music schools around the world (Germany, Italy, USA, Japan), and 2010-2012 was chancellor of the University System of the SRH-Foundation Heidelberg.

Dr. Thaut's internationally recognized research focuses on brain function in music, especially time information processing in the brain related to rhythmicity and biomedical applications of music to neurologic rehabilitation of cognitive and motor function. He received the National Research Award in 1993 and the National Service Award in 2001 from the American Music Therapy Association. He has over 120 scientific publications and has authored and coauthored 3 books. His works have appeared in German, Japanese, Korean, Italian, and Spanish language. Popular TV media and numerous print media have featured his research nationally and internationally.

As a former professional violinist in the classic and folk genre he has recorded several recordings of chamber and folk music in the US and Germany and has toured in Europe extensively with folk bands and chamber groups. He is also the author of a landmark anthology of Northern European and American fiddle music. In 1995 his group 'Folk Chamber Ensemble' played 3 invited concerts at the Northwest German Summer Music Festival entitled 'Folk Meets Classic'. He continues to perform in small chamber and folk ensembles as time permits.



**Dr. Corene P. Hurt-Thaut**

Corene P. Hurt-Thaut received her master's in music therapy, and her PhD with an interdisciplinary focus of music, neuroscience and statistical design, from Colorado State University. At Colorado State University she served as a special assistant professor of music therapy from 1997-2014, teaching classes in piano technique, music therapy methods and counseling for psychiatric populations, music therapy methods in neuro-rehabilitation, research in music therapy, advanced techniques in neurologic rehabilitation, and seminars in neurologic music therapy. She was a research associate at The Center for Biomedical Research in Music at Colorado State University from 1997-2015. She is the co-founder and Program Director for The Academy of Neurologic Music Therapy since 1997, and is currently assistant professor and research associate at the University of Toronto, and associate professor at the ArtEZ School of Music - ArtEZ Conservatorium. She is nationally and internationally recognized for her clinical expertise in the evidence based practice of Neurologic Music Therapy, with clinical experience including 3 ½ years as a music therapist at Wesley Woods Geriatric Hospital and the Center for Rehabilitation Medicine at Emory University Medical School in Atlanta, 4 years as a Neurologic Music Therapist at Poudre Valley Hospital and The Center for Neurologic Rehabilitation in Fort Collins, Colorado, and 10 years of private practice and community outreach Neurologic Music Therapy session. Her work has included a diverse range of clinical populations including: stroke, Parkinson's disease, traumatic brain injury, cerebral palsy, multiple sclerosis, Alzheimer's disease, autism, and psychiatric disorders. She

served on the exam committee for the National Certification Board for Music Therapy (CBMT) as both a member and Committee Chair from 2001-2006, as an elected member of the CBMT National Board of Directors from 2009-2013, and more recently on the Practice Analysis Committee (2015) and as a co-author of the Self-Assessment Exam (2016) . She has also served as President and Vice President of the Midwestern Region of American Music Therapy Association. Dr. Hurt-Thaut has numerous research publications in the area of music and motor control as well as ten book chapters highlighting specific applications of neurologic music therapy to her credit.

### **Suzanne Oliver, MT-BC, NMT Fellow**



Suzanne Oliver is the Founder and Executive Director of Neurologic Music Therapy Services of Arizona/NMTSA, a nonprofit organization that has provided clinical music therapy services to the Phoenix community for over 32 years. She also founded a school for students with autism, approved through the Arizona Department of Education, in 2007. Suzanne is a Board Certified Music Therapist received her NMT training in 1999, and additionally has completed three fellowships through the Center for Biomedical Research in Music since that time. Suzanne assisted in developing the Unkefer Academy for Neurologic

Music Therapists at CSU and co-authored the Medical Coding and Records Manual: Neurologic Music Therapy. Her passion is to educate the community on current research regarding the impact of rhythm on the brain and how this knowledge can positively impact the treatment of individuals with neurologic differences and improve their everyday life.

**For more information about the curriculum, course objectives, and training schedule, visit <http://nmtacademy.co>, or contact Corene Thaut, [training@nmtacademy.co](mailto:training@nmtacademy.co).**