

MaHRC Music and Health Research Collaboratory

The Academy for Neurologic Music Therapy



<http://nmtacademy.co>

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Paul Valery University Montpellier 3
University Diploma of Music Therapy

INTERNATIONAL NEUROLOGIC MUSIC THERAPY TRAINING INSTITUTE

July 8 - 11, 2019

Dr. Michael H. Thaut /Dr. Corene P. Hurt-Thaut

Presentation :

This training is open primarily to Graduate Music Therapists, Neurologists, Neuropsychologists, Clinical Psychologists (for students and others to consult us) who wish to gain a better understanding of Neurological Music Therapy (NMT) and interested in using NMT methodology and techniques.

Neurologic Music Therapy is defined as the therapeutic application of music to cognitive, sensory, and motor function due to neurologic disease of the human nervous system. Neurologic Music Therapy is research-based. Its treatment techniques are based on the scientific knowledge in music perception and production and the effects thereof on nonmusical brain and behavior functions. Populations served by Neurologic Music Therapists include, but are not limited to: stroke, traumatic brain injury, Parkinson's and Huntington's disease, cerebral palsy, developmental disorders, Alzheimer's disease, autism, and other neurological diseases affecting cognition, movement, and communication (e.g., MS, Muscular Dystrophy, etc). The 4-day, 30-hour workshop will provide therapists with advanced clinical training and scientific knowledge in the field of NMT. Upon completion of this course, participants will:

- 1) Be able to demonstrate a basic definition and introductory knowledge about neurologic music therapy (NMT), including the taxonomy of techniques used in NMT;
- 2) Demonstrate an increased knowledge of current research supporting NMT techniques;
- 3) Demonstrate a working knowledge of the Transformational Design Model; a model to assist in treatment selection based on functional goals;
- 4) Identify current clinical assessments that can be used by NMT's for treatment evaluation;
- 5) Be able to answer basic neuroanatomy and pathology questions related to a variety of neurologic disorders.

Upon successful completion of this course and a written test, a certificate of completion in advanced Neurologic Music Therapy training will be issued by the Robert F. Unkefer Academy for Neurologic Music Therapy. Completion of the NMT training allows the board-certified music therapist to practice and use the credential of NMT for three years. This training is open to other students and professionals outside of the field of music therapy, however, completion of the NMT training does NOT allow one to practice outside their professional licensure-training-certification. . There are no required prerequisites to take this training.

Training will begin at **8 am on Thursday morning and end at noon on Sunday**. Please make sure that your travel arrangements allow you adequate time to get to/from the airport, as completion of the training in its entirety is expected to gain the NMT credential and certificate.

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

Preliminary Training Schedule

Day 1:

- 8:30-9:00 Welcome (Coffee Provided)
- 9:00-10:30 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
- 2:00-2:30 Transformational Design Model/Assessment
- 2:30-5:30 Speech and Language

Day 2:

- 9:00-10:30 Speech/Language Clinical Practice
- 10:30 Refreshment Break
- 10:45-12:00 Patterned Sensory Enhancement (PSE)
- 12:00-1:00 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:

- 9:00-10:00 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:

- 9:00-12:00 Cognitive Rehabilitation
- 12:00-12:30 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].



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 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. 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, and the co-founder and program director of The

Unkefer Academy for Neurologic Music Therapy International Training Institutes and Fellowship Trainings for Neurologic Music Therapy since 1999. 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, and 4 years as a Neurologic Music Therapist at Poudre Valley Hospital and The Center for Neurologic Rehabilitation in Fort Collins, Colorado. 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, and as an elected member of the CBMT National Board of Directors from 2009-2013. 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.

For more information about the curriculum, course objectives, and training schedule, visit <http://nmtacademy.co>, or contact Corene Thaut, cthaut@gmail.com.