



proudly presents:

Music and Neuroscience

Instructor:

Elizabeth Stegemöller, PhD., MT-BC

Assistant Professor • Department of Kinesiology
University of Iowa

Saturday, February 14 & Sunday, February 15, 2015
8:00 a.m. - 4:15 p.m.

Location: Alverno College • 3400 S. 43rd St. • Milwaukee, WI
Alphonsa Hall 258 (Choir Room)

\$175 Earlybird registration fee (MT-BC's - 16 CMTE's)
(received through January 31, 2015)

\$190 Standard registration fee
(received February 1 - 12, 2015)
no on-site registrations accepted

\$35 registration fee students and interns (no credit)
no on-site registrations accepted

16 CMTE credits for Board Certified Music Therapists

Music and Neuroscience is approved by the Certification Board for Music Therapists (CBMT) for 16 Continuing Music Therapy Education credits. Credits awarded by CBMT are accepted by the National Board for Certified Counselors (NBCC). The Great Lakes Region of The American Music Therapy Association, #P-021 maintains responsibility for program quality and adherence to CBMT Policies and Criteria.

NO PREREQUISITES REQUIRED FOR MT-BC'S OR STUDENTS.

Course Description

This course will first cover an overview of basic neuroanatomy/neurophysiology and the neuroscience of music and movement. The neuroplasticity model for music therapy will be introduced and application of the model will be discussed with specific examples in Autism and Parkinson's disease.

Learner Objectives:

Participants who take this course will learn how to: (Numbers in parentheses correspond to the CBMT Scope of Practice as shown in the Approved Provider manual.)

1. Participants will obtain a basic understanding of neuroanatomy and neurophysiology, as well as, an understanding of how various measurement tools are used to better understand neuroanatomy and neurophysiology. [IV.A.2, IV, A.3]
2. Participants will obtain a basic understanding of the current literature in music and neuroscience and how music facilitates movement. [II.A.2.r, II.A.2.ae, IV.A.2]
3. Participants will have a hands-on experience using various data collection tools. [III.A.1, II.A.2, IV.A.7]
4. Participants will obtain an understanding of neuroplasticity and review evidence of how music therapy can facilitate neuroplasticity in multiple populations. [II.A.2.t, II.A.3.f, IV, A.7]
5. Participants will apply the information learned to their own music therapy experiences. [II.A.3.f]

Weekend Schedule:

Saturday February 14, 2015 - 7:30 a.m. Registration & Breakfast

8:00 – 8:15 am	Housekeeping, CMTE instructions, Overview of weekend schedule
8:15 – 10:30 am	Overview of Neuroanatomy and Neurophysiology
10:30 – 10:45 am	Break – refreshments provided
10:45 – 12:00 pm	Music, Movement and Neuroscience
12:00 – 1:00 pm	Lunch on your own
1:00 – 2:30 pm	Measurement Tools in Neuroscience
2:30 – 2:45 pm	Break – refreshments provided
2:45 – 4:15 pm	Hands-on Data Collection Fun

Sunday February 15, 2015 - 7:30 a.m. Registration & Breakfast

8:00 – 8:15 am	Questions, Overview of today
8:15 – 10:30 am	Music and Neuroplasticity
10:30 – 10:45 am	Break – refreshments provided
10:45 – 12:00 pm	Applying the Neuroplasticity Model to Music Therapy: Autism
12:00 – 1:00 pm	Lunch on your own
1 – 2:30 pm	Applying the Neuroplasticity Model to Music Therapy: Parkinson's Disease
2:30 – 2:45 pm	Break – refreshments provided
2:45 – 4:15 pm	Applying the Neuroplasticity Model to Music Therapy: General Application

Music and Neuroscience Registration

Name _____ Credentials _____

Street Address _____

City, State, Zip _____

Home Phone _____ Cell Phone _____

E-mail _____

I am applying for: (circle one) 16 CMTE's no credit (interns)

Fee: \$175 (received until January 31, 2015)

 \$190 (received February 1 - 12, 2015)
 no on-site registration accepted

 \$35 (students and interns only - no credit)
 no on-site registration accepted

Payment Method: Check

Credit Card: (circle one) Mastercard Visa Discover

Card number _____

Expiration Date _____ Security Code (3 digits) _____

Signature _____

Make checks payable to *Alverno College*; payment must accompany registration.

Alverno College Institute for Educational Outreach

P.O. Box 343922

Milwaukee, WI 53234-3922

Registrations with credit card payment may be faxed to: 414/382-6088

Cancellation and refund policy:

Conference fees will be refunded minus a \$25 processing charge for participant-canceled programs ONLY when the written request is received by the Institute for Educational Outreach office within 5 working days before the event. No refunds will be granted less than 5 working days prior to the conference date. Due to contractual agreements, there are no exceptions to this policy.

**If you need to cancel your registration, send your request in writing
no later than February 9, 2015 to:**

Alverno College Institute for Educational Outreach
P.O. Box 343922
Milwaukee, WI 53234-3922
or e-mail: institute@alverno.edu

About Dr. Elizabeth Stegemöller

“Music is the medicine of the mind.” (John A. Logan) To date, little is known about the neural underpinnings of music and its therapeutic application. As a music therapist, Dr. Elizabeth Stegemöller has witnessed several intriguing experiences where patients with a neurological disorder have overcome a debilitating condition through music. It is these experiences that have motivated her research goals. Dr. Stegemöller earned her bachelor’s degrees in Music Therapy and Biology with a minor in Chemistry from the University of Missouri – Kansas City in 2001. Following her degrees, she worked as a clinical music therapist before returning to graduate school earning her doctoral degree in Neuroscience at Northwestern University in 2010. Following the completion of her graduate degree, Dr. Stegemöller completed a postdoctoral fellowship in the Department of Neurology and Department of Applied Physiology and Kinesiology at the University of Florida. She joined Iowa State University in 2013 as an Assistant Professor in the Department of Kinesiology. Dr. Stegemöller’s main research focus is to understand the neurophysiology associated with the therapeutic effect of music on axial impairments in persons with Parkinson’s disease. She currently has multiple projects examining the effects of music on speech, swallow, repetitive finger movements, and gait in persons with PD. Dr. Stegemöller has received funding and has over 20 publications in her young career. In addition, Dr. Stegemöller is highly active in the Parkinson’s Action Network advocating for Parkinson’s disease research. Dr. Stegemöller is very passionate about her work and hopes that through her research and advocacy effort, she can contribute to the development of new and innovated therapies that demonstrate effectiveness at targeting PD symptoms often not improved with medication.

Other Information

When you arrive at the college:

Park in the lot at the corner of 39th St. and Morgan Ave. Enter Alphonsa Hall (entrance is south most door facing the east) and follow the signs to the second level. AL 258 is located up the short stairway to the right (accessible elevator also available). Please see the Campus Map below, as there has been updating to the campus in the past year.

Food & Beverage

Breakfast will be provided, in addition to morning and afternoon snacks. Lunch is on your own.

The Commons will be open for lunch both days of the seminar.

A variety of fast food restaurants are also located on and around South 27th Street.

Questions?

For questions regarding Alverno College, please contact Laura Sear at:

Laura.Sear@alverno.edu

414/382-6177

For questions regarding CMTE's or other music therapy related concerns,
please contact Nancy Dexter - Schabow at:

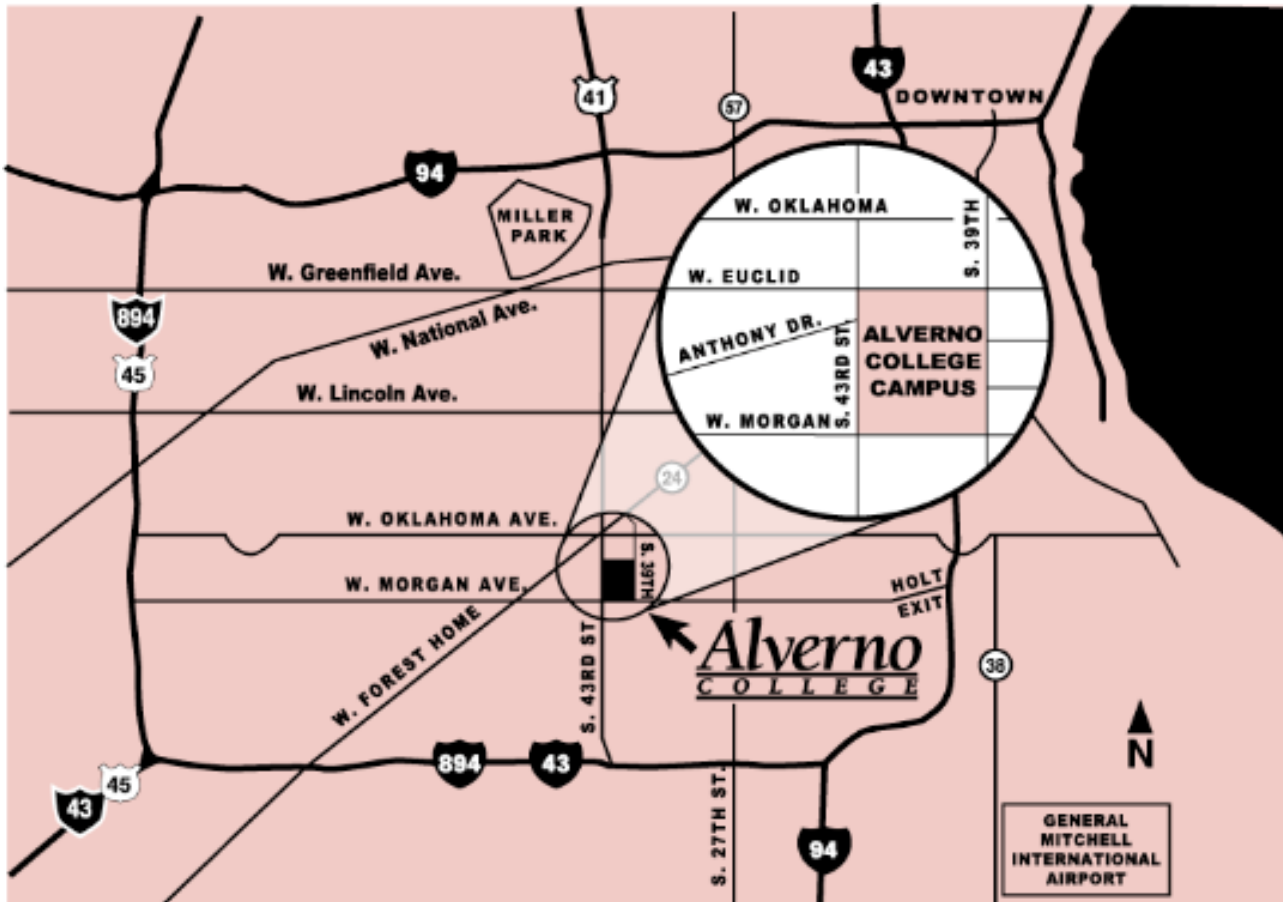
Nancy.Dexter-Schabow@alverno.edu

414/651-0011

Map and Directions

Alverno's campus, just 15 minutes from downtown Milwaukee and General Mitchell International Airport, is easily accessible.

Address: 3400 S. 43rd Street, Milwaukee, WI 53234-3922



*From Chicago:

Take I-94 north to Milwaukee. Take the Howard/Holt Avenue exit. Exit on Holt and go west (left). Holt becomes Morgan Avenue. Continue going west to 43rd Street (2.5 miles). Turn right on 43rd Street. The main entrance to campus will be on your right.

From Green Bay:

Take I-43 south to Milwaukee. Proceed to I-94 toward Chicago. Exit on Holt Avenue, go west. Holt becomes Morgan Avenue. Continue going west to 43rd Street (2.5 miles). Turn right on 43rd Street. The main entrance to campus will be on your right.

From Madison:

Take I-94 east to Milwaukee to Miller Park Way (south). Miller Park Way becomes 43rd Street. Continue south on 43rd Street past Oklahoma Avenue. The main entrance to the college will be on your left.

From Mitchell International Airport:

Take the Downtown Milwaukee exit and go north on I-94. Take the Howard/Holt Avenue exit. Exit on Holt and go west (left). Holt becomes Morgan Avenue. Continue west to 43rd Street (2.5 miles). Turn right on 43rd Street. The main entrance to campus will be on your right.

