

Hearing Conservation in Music and Industry Thursday, July 25 - Sunday, July 28, 2019

Students will acquire knowledge in noise control, hearing conservation, industrial audiology and occupational audiology. This course will also provide a foundation in the prevention, diagnosis, and treatment of music-induced hearing disorders, and general management of musicians with hearing loss and/or tinnitus. This course does not require the audiology student have a background in music, but an appreciation of music is very helpful in understanding the perspective of this exceedingly interesting, yet challenging, patient population.

Faculty

Dr. Brian Fligor
Dr. Martin Pienkowski
Dr. Michael Santucci
Dr. Laura Sinnott

Disclosure Information

Dr. Brian Fligor, Dr. Martin Pienkowski, Dr. Michael Santucci and Dr. Laura Sinnott and all relevant personnel have completed disclosure forms. Dr. Brian Fligor is partial-owner in Lautos 3D Ear Scanning System and has non-financial disclosures. Dr. Michael Santucci is the founder of Sensaphonics, Inc. and a co-founder of AudioSense, Inc. and has no non-financial disclosures. Dr. Pienkowski and Dr. Sinnott and all other relevant personnel have no financial or non-financial disclosures.

Learning Objectives

After this course participants will be able to:

1. Explain the auditory and non-auditory effects of noise.
2. Describe the characteristics of noise-induced hearing loss.
3. Select an appropriate hearing protective device, and evaluate effectiveness.
4. Compare advantages and disadvantages of available hearing protective devices and describe methods for selecting types (using attenuation, lab and real-life rating methods, selection, and regulatory requirements).
5. Recognize key noise exposure metrics; relate noise dose, time-weighted averages, noise levels, and duration of exposure and noise annoyance criteria.
6. Care and troubleshooting of instrumentation, (audiometric and noise monitoring).
7. Compare advantages and disadvantages of available hearing protective devices and describe methods for selecting types (using attenuation, lab and real-life rating methods, selection, and regulatory requirements).
8. Describe the similarities and differences between music as a source of sound-induced hearing loss, and more general "noise" as the source.
9. Describe risk-rates for music-induced hearing disorders, and identifying which disorders are most salient to the musician.
10. Prescriptively fit hearing protection.
11. Develop strategies to modify hearing aid settings to attempt to satisfy the listening needs of musicians with hearing loss and *might* benefit from amplification, at least according to their pure-tone thresholds.

Time Ordered Agenda

Please note: Unless otherwise noted, all classes will take place in ROOM S303.

Thursday, July 25	
8:00 am – 8:30 am	Registration and Continental Breakfast
8:30 am – 9:00 am	Complete Pre-Test
9:00 am – 11:00am	Neuroscience and the Effects of Noise – Martin Pienkowski, PhD
11:00 am – 11:15 am	BREAK
11:15 am – 12:15 pm	Continued Neuroscience and the Effects of Noise – Martin Pienkowski, PhD
12:15 pm – 1:15 pm	LUNCH <i>Café</i>
1:15 pm – 2:45 pm	Correlating Audiologic Tests with the Effects of Noise – Brian Fligor, ScD
2:45 pm – 3:00 pm	BREAK
3:00 pm – 5:00 pm	Measuring Noise and HPD Attenuation – Brian Fligor, ScD
5:00 pm – 6:00 pm	DINNER & COMPLETE DAILY EVALUATION <i>Café</i>
Friday, July 26	
8:30 am – 9:00 am	Registration and Continental Breakfast
9:00 am – 11:00 am	NIOSH: Guidelines for a Best Practice in Hearing Loss Prevention – Brian Fligor, ScD
11:00 am – 11:15 am	BREAK
11:15 am – 12:15 pm	What You Need to Know About Hearing Protection – Brian Fligor, ScD
12:15 pm – 1:00 pm	LUNCH <i>Café</i>
1:00 pm – 2:00 pm	The Emerging Trend of Fit-Verification for HPDs – Brian Fligor, ScD
2:00 pm – 3:00 pm	Hands-On Lab: Using Apps and Pocket Dosimeters for Assessing Noise Exposure – Brian Fligor, ScD
3:00 pm – 3:15 pm	BREAK
3:15 pm – 5:15 pm	Hands-On Lab: Measuring Noise and HPD Attenuation – Brian Fligor, ScD
5:15 pm – 6:15 pm	DINNER & COMPLETE DAILY EVALUATION <i>Café</i>
Saturday, July 27	
8:30 am – 9:00 am	Registration and Continental Breakfast
9:00 am – 11:00 am	Best Practices In Hearing Conservation in Music Industry Hearing Protection in Musicians – Michael Santucci, AuD; Laura Sinnott, AuD
11:00 am – 11:15 am	BREAK
11:15 am – 12:15 pm	Continued Best Practices In Hearing Conservation – Michael Santucci, AuD; Laura Sinnott
12:15 pm – 1:15 pm	LUNCH <i>Café</i>
1:15 pm – 3:15 pm	Case Studies and Lab: Managing Loud Sounds in a Musical Theater – Michael Santucci, AuD; Laura Sinnott
3:15 pm – 3:30 pm	BREAK
3:30 pm – 4:30 pm	Question & Answer
4:30 pm – 5:30 pm	DINNER & COMPLETE DAILY EVALUATION <i>Café</i>
Sunday, July 28	
8:30 am – 9:00 am	Registration and Continental Breakfast
9:00 am – 10:30 am	Listening, Performance, and Hearing Conservation – Michael Santucci, AuD; Laura Sinnott
10:30 am – 10:45 am	BREAK
10:45 am – 12:45 pm	What is Loudness in Music and Music Perception – Michael Santucci, AuD; Laura Sinnott
12:45 pm – 1:45 pm	LUNCH <i>Café</i>
1:45 pm – 3:15 pm	Hands-On Lab: In-The-Ear Monitors; HPD for Music Perception – Michael Santucci, AuD; Laura Sinnott

3:15 pm – 3:45 pm	Complete Post-Test, Daily Evaluation, and Program Evaluation
3:45 pm – 5:45 pm	DINNER & BAND CONCERT

Registration Details

Standard Cost: USD \$1,025.00

OCA Active Preceptors (20% Discount): USD \$820.00

Recent OCA Graduates (10% Discount): USD \$922.50

Standard Cost Per Day: \$265.25

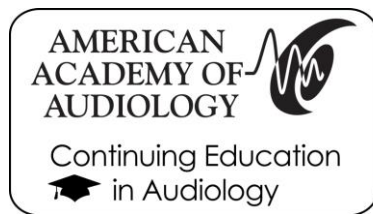
OCA Active Preceptors (20% Discount): \$212.20 per day

Recent OCA Graduate (10% Discount): \$238.72 per day

For more information, please contact: sreese@salus.edu

For information on Salus' CE policy on cancellation and complaints, please visit: salus.edu/CE

**All attendees are strongly encouraged to bring their personal laptops or tablet*



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American Academy of Audiology.

Salus University is approved by the American Academy of Audiology to offer Academy CEUs for this activity. **The program is worth a maximum of 2.75 CEUs.** Academy approval of this continuing education activity is based on course content only and does not imply endorsement of course content, specific products, or clinical procedure, or adherence of the event to the Academy's Code of Ethics. Any views that are presented are those of the presenter/CE Provider and not necessarily of the



Salus University is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This is course is offered for 2.75 ASHA CEUs (Intermediate Level, Professional area).