

## Industrial Audiometric Technician Training Course

### Curriculum Outline

Topic	Time
1. Hearing Conservation Programs in British Columbia <ul style="list-style-type: none"> <li>•introduction and overview</li> <li>•specifics of WCB Occupational Health &amp; Safety Regulation, Part 7</li> </ul>	1 hour, 30 minutes
2. Audiometry <ul style="list-style-type: none"> <li>•introduction to the audiogram parameters</li> <li>•manual audiometers--modified ascending descending technique</li> <li>•self-recording audiometers</li> <li>•micro-computers</li> <li>•reliability</li> </ul>	45 minutes
3. Noise <ul style="list-style-type: none"> <li>•definitions of terms</li> <li>•damage risk criteria</li> <li>•hazard definitions</li> <li>•Leq versus Lex</li> <li>•introduction to sampling strategies</li> <li>•discussion of common occupations in BC industry</li> </ul>	1 hour, 20 minutes
3. Effects of Noise <ul style="list-style-type: none"> <li>•anatomy of the ear (external, middle, inner, central pathways)</li> <li>•physiological response to noise exposure,</li> <li>•characteristics of noise induced hearing loss</li> <li>•non-auditory effects of noise</li> <li>•simulated hearing loss audiotape demonstration</li> </ul>	1 hour, 30 minutes
4. Categorization of audiograms <ul style="list-style-type: none"> <li>•baseline (Abnormal, Early Warning, Normal), periodic (Abnormal Change, Early Warning Change, Normal Change),</li> <li>•use categorization flowcharts</li> </ul>	1 hour, 15 minutes
5. Counselling of workers, based on categorization	1 hour
6. Facility Maintenance <ul style="list-style-type: none"> <li>•requirements</li> <li>•biological listening checks</li> <li>•electro-acoustical calibration •ANSI S3.19-1999—standard for booths</li> <li>•ANSI S3.22-1996—standard for audiometers</li> </ul>	45 minutes

Industrial Audiometric Technician Training Course--Curriculum Outline, cont'd

<b>Topic</b>	<b>Time</b>
7. Hearing Protection • CSA Standard Z94.2-02 • selection, fit • care, maintenance • problem solving scenarios	2 hours
8. Paperwork •filling out of computer forms (audiogram, medical history, other fields) •submission process for forms (completion of batch headers) •filing •ordering forms and related supplies	1 hour, 10 minutes
9. Construction Industry Program • policies and procedures • included industry classification • record of hearing test cards	30 minutes
10. Hearing Conservation Program review • information provided by WCB • firm review • industry review • province review	30 minutes
11. Code of Conduct	20 minutes

Other Activities

1. Practicum Sessions (daily, related to day's topic)	7 hours
2. Review of homework	90 minutes
3. Evaluation • written • practicum	2 hours

Total classroom time    23 hours  
Coffee breaks (1/2 hour per day)  
Lunch breaks (1 hour per day)  
Total Time                28 hours