AUDI90001 Electrophysiological Assessment B

Credit Points:	6.25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: February, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 19 hours lectures and 7 hours practicum sessions Total Time Commitment: 50 hours (includes contact hours, assignments, revision etc.)
Prerequisites:	Electrophysiological Assessment A, Clinical Audiology A, Paediatric Audiology A, Acoustics, Anatomy and Physiology, Pathologies of the Auditory System.
Corequisites:	None
Recommended Background Knowledge:	N/A
Non Allowed Subjects:	N/A
Core Participation Requirements:	N/A
Contact:	Associate Professor Gary Rance grance@unimelb.edu.au
Subject Overview:	This subject builds on the knowledge obtained in the Electrophysiological Assessment A subject. Students will have the opportunity to examine the principles and practices associated with advanced auditory evoked potential and vestibular assessment. This subject is designed to develop a theoretical knowledge of electrophysiologic measurement in clinical audiology and neuro-otology, and in conjunction with the Clinical Audiology course, be able to perform and interpret the full range of electrophysiologic assessments. This subject comprises the following topics: # auditory evoked potentials (middle latency response, cortical responses, event related potentials, brain mapping or topographic analysis of evoked potentials); # use of electrical stimuli for AEPs; # clinical uses of AEPs including assessment of hearing loss; # central auditory processing deficits and correlation with psychoacoustic assessment methods; and # electrophysiologic measures of balance function.
Objectives:	At the completion of this subject students should be able to: # demonstrate analytical skills by incorporating the theoretical principles of clinical decision making; # analyse and interpret results from both peripheral and central auditory evoked potential assessments; # analyse and interpret results from a range of vestibular function tests; # comprehend advanced concepts in the measurement of auditory evoked potentials; # comprehend electrophysiological measures of balance function; # understand the limitations of these techniques; # appreciate the relevant areas for future research; # apply tests relevant to best patient management; # use this information in terms of problem-solving and information seeking; # apply analytical and integration skills.

Assessment:	Two written assignments of no more than 750 words each:Assignment A to be completed between weeks 7 and 10 - 20% Assignment B to be completed between weeks 12 and 15 - 20%A one hour written exam at the end of semester - 60% Students must pass the written exam in order to pass this subject.
Prescribed Texts:	N/A
Recommended Texts:	N/A
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of this subject students should be able to demonstrate: # the capacity for information seeking, retrieval and evaluation; # critical thinking and analytical skills; # an openness to new ideas; # planning and time management skills; # the ability to communicate knowledge through classroom discussions and written material.
Notes:	
Related Course(s):	Master of Clinical Audiology