AUDI90001 Electrophysiological Assessment B

Credit Points:	6.25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, 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:	

Subject	Study Period Commencement:	Credit Points:
AUDI90012 Electrophysiological Assessment A	Semester 2	6.25
AUDI90021 Clinical Audiology A	Year Long	25
AUDI90022 Paediatric Audiology A	Year Long	18.75
AUDI90015 Acoustics	Semester 1	6.25
ANAT90004 Anatomy and Physiology of the Auditory System	Semester 1	6.25
AUDI90016 Pathologies of the Auditory System	Semester 1	6.25

Corequisites:	None
Recommended Background Knowledge:	N/A
Non Allowed Subjects:	N/A
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website : http://www.services.unimelb.edu.au/disability/
Coordinator:	Assoc Prof Gary Rance
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% Hurdle Requirement: 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.
Links to further information:	http://www.medoto.unimelb.edu.au/students/master_of_clinical_audiology
Notes:	
Related Course(s):	Master of Clinical Audiology