

**مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية لبرنامج  
الدكتوراة في أمراض السمع .**

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرامج	ILOs مخرجات التعلم المستهدفة	(ARS) Benchmark المعايير الأكاديمية	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراة في أمراض السمع)
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants. *Applied anatomy. *Applied physiology *psychiatry * Acoustics and psychoacoustics	A13  A3  A1 A1,A4 A9 A5,A6	Master the preventative, diagnostic, treatment and rehabilitation principles of the discipline for each age of patients.	1. The theories, concepts and modern knowledge in the field audiology and other related field
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	A7a,7b  A7	Identify anatomy, physiology and pathological physiology of the functions of auditory and vestibular systems and rehabilitation	2. The basics, methodologies, ethics of scientific research and its versatile tools
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants. *Internal medicine	A7a, 7b  A7  A8		3. The moral and legal ethics of the professional practice in the area of audiology
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants. *neurology	A3  A13  A10, 11,12	participate in the development and planning processes of the discipline	4. The concepts and principles of quality of the professional practice in the area of audiology
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing	A7a, 7b  A7		5. The knowledge on the effects of professional practice on the environment and ways of development and maintenance of the environment

aids and cochlear implants. * Internal medicine	A8		
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ب - القدرات الذهنية :

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لجامعة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراة فى أمراض السمع)
*Advanced evaluation peripheral and central auditory and vestibular systems *Applied anatomy. *Applied physiology *psychiatry * Internal medicine *Acoustics and Psychoacoustic	B2  B1 B1 B4 B3 B10	Understand the importance and application of evidence-based Treatment	1) Analyze and evaluate of information in the field of audiology and make full use of such information to solve problems
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants. *Electronics *Neurology	B5,12  B11, 12  B6,B9 B14	.	2) Solve specific problems on the basis of limited and contradictory information
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	B13  B13		3) Carry out a research studies to add new information to the knowledge
			4) Write scientific papers
*Advanced evaluation peripheral and central auditory and vestibular systems	B5		5) Assess and analyze risks in the field of audiology
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	B12  B11, 12	Know the structures, functions and dysfunctions auditory and vestibular systems organs and masters the treatment and rehabilitation methods for hearing and vestibular disorders.	6) Plan to improve performance in the field of audiology
*Advanced evaluation peripheral and central	B12		7) Make good decisions in different

auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants. *Acoustic & psychoacoustics	B11, B12  B8		professional aspects
Acoustic & psychoacoustics	B10		8) Have innovation/creativity
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	B13  B13		9) Discuss and negotiate in high level of confidence based upon proofs and evidences

### ج - المهارات العملية:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لجامعة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراة في أمراض السمع)
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	C1,2,3,6,7,8,16  C9,10,11,12,13 14,15,16	Examination on one's own responsibility as to the fitness for so called Audiological evaluation.	1) Apply modern and principle professional skills in the area of audiology
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	C2,4,5,6  C10,11,14,15	Medical report on audiological and vestibular disorders as well as auditory and vestibular rehabilitation	2) Write and evaluate technical reports
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	C2,4,5  C10,14	master instrumental examination methods of the discipline	3) Adopt assessment methods and tools existing in the area of audiology.
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	C1,2,3,4,5,6,7  C9,11.15	Learn methods for finding and adopting new audiological information	4) Use of the appropriate technological means to serve the professional practice.
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	C1,2,3,4,5,6,7,8  C9,10,11,12,13, 14,15	Organization and guidance of audiology institutes	5) Plan to improve the performance of the professional practice and development of the performance of others

د- مهارات الاتصال:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لجامعة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراة في أمراض السمع)
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D1,5 D1,5		1) Communicate effectively in different aspects
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D6 D6	Teach health care and non-health care professionals on audiology issues.	2) Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D3 D3		3) Manage the scientific meetings and manage time
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D4 D4		4) Adopt self-assessment and Adopt life-long learning
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D1 D1		5) Use different resources for information and knowledge
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants.	D2 D2	work in multidisciplinary teams	6) Collaborate effectively within multidisciplinary team and lead team works
*Advanced evaluation peripheral and central auditory and vestibular systems *Advanced Auditory rehabilitation, hearing aids and cochlear implants	D3 D3		7) Demonstrate a high level of competence in the management of time and scientific meetings