

Program of  
Master Degree in Audiology

# Course Specifications For Master Degree in Audiology-ENT dep.

Quality Assurance Unit

Faculty of Medicine, Tanta University

# Course specifications

University: Tanta  
Department: Audiology Unit-ENT dep.

Faculty: Medicine  
Program: Master-Audiology

## A- administrative Information

**1- Program title: Course Specifications of Master- Audiology**

**2- Department offering the program: Audiology Unit-ENT dep.**

**3- Department responsible for the course: Audiology Unit-ENT dep.**

**4- Course code:**

**5- Level: MS**

**6- No. of Credit / taught hours:**

Lectures: 16    Tutorial: 16    Practical: 10    Others: 8    Total: 40

**7- Authorization date of course specification:**

## B- Professional Information

### 1 – Overall Course aims:

- Proper evaluation of patients.
- Understanding path-physiological mechanism of different auditory disorders.
- Management of different auditory problems.
- Designing of an appropriate auditory rehabilitation programs.
- Following up cases.

### 2 – Intended learning outcomes (ILOs):

#### a- knowledge and understanding:

*By the end of the course, students should be able to:*

- a.1-** Normal structure and function of the auditory system.
- a.2-** Knowledge of basic concepts in the physics of sound

- a.3- Methods and procedures in evaluating the auditory system
- a.4- Interpretation of results of audiologic assessment
- a.5- The types of hearing disorders and their related hearing impairment
- a.6- Implications of hearing loss on communicative function
- a.7- The principles of genetics and the role of genetics in hearing problems.
- a.8- Common otological diseases and their clinical manifestations and differential diagnosis with emphasis on the importance of their relative incidences in establishing the diagnosis.
- a.9- Principles of prevention and management of hearing disorders.
- a.10- Principles of early diagnosis of malignancy and screening.
- a.11- The principles of problem solving using a comprehensive knowledge base.
- a.12- The principles, indications, the relative advantages and disadvantage of various management strategies applied to common clinical situations.
- a.13- Nature of disability, its impact on the community and the principles of management including: rehabilitation, institutional and community care.
  - a.14- The principles of research methodology and critical evaluation of evidence.
  - a.15- The basic principles of biostatistics.

## **b-intellectual skills**

*By the end of the course, students should be able to:*

- b.1- Understand different pathological aspects of different ear diseases.
- b.2- Relation between ear disease and other systems in the body.
- b.3- Understand how the vestibular system works.
- b.4- Understand the impact of central auditory pathway affection on patients specially children.
- b.5- Different rehabilitation programs (auditory or vestibular programs).
- b.6- Interpret the results of commonly used diagnostic procedures (laboratory and radiological).

**b.7-** Recognize the essential steps and possible complications of common interventions.

**b.8-** Apply principles of sterilization and infection control regulations on hospital and community levels.

**b.9-** An understanding of, and respect for, the role of other health care professionals, and the need to collaborate with others in caring of individual patients.

**b.10-**The ability to recognize her/his limits of knowledge and experience.

### **c- Professional & practical skills**

*By the end of the course, students should be able to:*

**c.1-** Understand the anatomy and physiology of the auditory pathway.

**c.2-** Understand the theoretical bases for different audiological procedure.

**c.3-** Design the appropriate test battery for each patient

**C.4-** How to correlate different tests with each other.

**c.5-** Interpret patient's symptoms and physical signs in terms of anatomic, pathologic and functional diagnostic significances.

**c.6-** Identify problems and select the most appropriate and cost effective diagnostic procedures for each problem.

**C.5-**List a differential diagnosis with prioritization of the common possibilities for each problem.

**C6-** Exhibit clinical decision analysis skills that weighs the pros and cons of the proposed interventions.

### **d-general transferable skills**

*By the end of the course, students should be able to:*

**d.1-** Share information and skills with their professors.

**d.2-** Share information and skills with their colleagues.

**d.3-** Work collaboratively with other health professionals in other disciplines to maximize patient benefits and minimize the risk of errors.

**d.4-** Share information and explain results with their patients.

- d.5-** Refer patients to other specialty according to patient's condition.
- d.6-** Conduct patient interviews that are characterized by patience and attentive listening.
- d.7-** Explain to patients and their families the nature of the problem, results of investigation, possible methods of intervention including indications, risks, benefits and alternatives as well as plans for follow up.
- d.8-** Achieve consensus and obtain informed consent from the patient or the patient's surrogate for the treatment plan.
- d.9-** Know when and how to ask for senior consultation.
- d.10-** How to write clear and concise medical records.

### 3-Course contents

ساعات معتمدة	الساعات / أسبوع		
8/1 ساعة معتمدة	محاضرة ساعتين	حضور محاضرات في التخصص	

8/1 ساعة معتمدة	ساعتين	محاضرة يلقيها الطالب في التخصص	
8/1 ساعة معتمدة	ساعتين	حضور سيمينار	
1/2 ساعة معتمدة	8 ساعات	حضور مؤتمر القسم	
1 ساعة معتمدة	16 ساعة	حضور مؤتمر قومي في التخصص	
1 ساعة معتمدة	16 ساعة	حضور مؤتمر دولي في التخصص	
ساعة معتمدة/18	2 ساعة	حضور مناقشة الرسائل بالقسم	
8/1 ساعة معتمدة	2 ساعة	Journal club	
8/1 ساعة معتمدة	4 ساعات	Case presentation	
8/1 ساعة معتمدة	4 ساعات	أنشطة معملية (earmolds)	ساعات عملي
8/1 ساعة معتمدة	4 ساعات	حضور Vestibular, Evoked Potentials, H A, central auditory testing مع أسناذ	
8/1 ساعة معتمدة	4 ساعات	Vestibular Evoked Potentials, H A, central auditory testing عمل مع أسناذ	
8/1 ساعة معتمدة	4 ساعات	Vestibular Evoked Potentials, H A, central auditory testing مع أسناذ	
1 ساعة معتمدة		*دورة تدريبية بالتخصص 30 ساعة تدريب	

#### 4-Teaching and learning methods:

- Lectures presented by staff followed by open discussion.
- Seminars presented by candidate.
- Journal club & clinical cases presented by candidate.
- Attendance & participation in examining patients at the outpatient clinic.

#### 5-Student Assessment

Item		Mark
		<b>Total</b>
<b>First part</b>		<b>30%</b>
<b>Thesis</b>		<b>Accepted or not</b>
<b>Final exam</b>	<b>Written</b>	<b>70%</b>
	<b>Oral</b>	
	<b>Practical /Clinical</b>	
<b>Total</b>		<b>100%</b>

### 6- Assessment schedule:

Assessment can be done through:

- a) Assessment questionnaire.
- b) Discussion through clinical cases or journal club.
- c) Regular evaluation of the candidate.

### 7- Weighing of assessments

Final term examination	%
Oral examination	%
Practical/laboratory work	%
Periodical examinations	%
Other types of assessment	%
<b>Total</b>	<b>100%</b>

List any formative only assessment:

### - List of references

- a) Course notes
- b) Text book
- c) Recommended books

d) Periodicals and web sites

**8-Other resources/ facilities required for teaching and learning to achieve the above ILOs:**

The web site of the high council of the Egyptian universities: [WWW.edu.eulc.eg](http://WWW.edu.eulc.eg).

Other internet sites: [www.audiologyonline.com](http://www.audiologyonline.com), [www.healthyhearing.com](http://www.healthyhearing.com), [www.hearingreview.com](http://www.hearingreview.com).

**9-we certified that all of the information required to deliver this course is contained in the above specifications and will be implemented**

## **VIII- Teaching and Learning Methods**

- 1- Lectures using data show and board
- 2- Home works, reports and discussion groups
- 3- Weekly seminar held in the Department
- 4- Monthly Grand Round.
- 5- Case studies
- 6- Hands-on training in the OR and outpatient clinic
- 7- Supervised performance in the ER

## **IX- Program assessment and evaluation:**

- Reports of program external and internal evaluators
- Questioner to students and stick holders
- Reports of faculty internal auditing system

Will be included in the annual program report , and action pane will be structured accordingly

## **7- Facilities Required for Teaching and Learning**

- **Lecture halls: One in the second floor of the faculty building for the theoretical lecture.**
- **Two teaching rooms in the outpatient clinic: (Capacity 100 students each), air conditioned supplied with Digital camera for demonstration, data show and connected to the operation theatre and inpatient examination rooms with interactive facilities.**





**Assessment of knowledge and understanding.**

**(Outcomes # 1-5 and 12&13)**

**Assessment of knowledge and understanding.**

**(Outcomes #1-5)**

**Assignment**

**Assessment of clinical skills  
(Outcomes 6-11)**

**Assessment of Knowledge and understanding.**

**(Outcomes #1-6)**

**Assessment of skills  
(Outcomes #14-16)**

## References

### 6.1-Course Notes

- **Standard department book: Available for students to purchase from different bookshops at the faculty.**
- **CDs loaded with data used during clinical and theoretical teaching.**

### 6.2- Essential Books (Text Books)

### 6.3- Periodicals, Web Sites,... etc

**Websites: [www.tanta.edu.eg](http://www.tanta.edu.eg)**

## **5-Student Evaluation of the course:**

5.1 -There is general acceptance to the course regarding its contents and teaching methods used by staff members. Complaints from the written exam (Difficulty level and validity), particularly problem solving questions has have been recorded.

5.2 Criticisms that need to be addressed:

- Essay writing
- Written Exam

5.3 Response of Course Team to issues raised by students

. Revision of the details of the written exam will be arranged

### 7.2 Action Plan for Academic Year 2011 – 2012

	<b>Actions in order of priority</b>	<b>Person responsible</b>	<b>Start date</b>	<b>Intended completion date</b>	<b>Completed yes/No</b>	<b>Reasons for non completion</b>
1	Written Exam		Will be revied by the dept. council			
2	Course contents		will be updated			