Faculty of Medicine
Ain Shams University

Postgraduate Studies

Master of Science in Phoniatriecs

Program Code: ORL610

Program Guide and Logbook
Candidate Curriculum Vitae

[Name]

Please attach your recent photo

[telephone no]
[mobile no]
[mailing address]

[email address]
[postcode]

Experience

[organization]
[your present job title]
[start date]
[location]
[responsibilities]

[organization]
[previous job title]
[start and end date]
[location]
[responsibilities]
[organization]
[previous job title]
[start and end date]
[location]
[responsibilities]

Education

[certificates]
[start and end date]
[school or college]
Training

[any other training that will be useful in your job]

Filled by post graduate authorities

Date of Registration

First semester

Second semester

Third semester

Fourth semester
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I– Welcome Statement:
The Department of Phoniatrics welcomes you to the Master of Science in Phoniatrics program. As a department we are committed to medical student education and continuously strive to improve your educational experience. This handbook presents information guide and logbook activity of this degree administered by the Phoniatic department, Faculty of Medicine, Ain Shams University.

II- Mission Statement:
The mission of the Faculty of Medicine, Ain Shams University is “The preparation of a competent graduate, who is able to compete on both national and regional levels, capable of lifelong learning, training and tutoring, while adhering to the codes of practice of medical health services and ethics. The college as well, seeks continuous development of programs and courses. It also enhances expansion of applied scientific research and health programs for community services and environmental development. Moreover, through providing distinguished academic and research cadres of teaching staff, supporting the administrative system and sustainability of own resources, the college is able to achieve goals and objectives”.

The mission of this degree is to prepare a well-trained knowledgeable phoniatician capable of diagnosing, managing, and planning correctly for the treatment of communication disorders. In addition to being capable of communicating efficiently with his colleagues, patients, working staff and coping with the advancing scientific progress in the field of phoniatics.

III– Senior Supervisor and Affiliated Departments and Hospitals

Senior Supervisor
Prof.
-------------------------------
-------------------------------
E-mail: ------------------------

Affiliated Departments and Hospitals
El- Demerdash University Hospital
Ain Shams University Specialized Hospital
IV– Program Specifications

A- Basic Information

1. Program title:
   Master of Science in Phoniatrics

2. Program type: Single

3. Faculty
   Faculty of Medicine

4. Department
   Phoniatrics

5. Assistant co-ordinator
   Prof. Dr. Safaa ElSady
   Prof. Dr. Samia Bassiouny
   Prof. Dr. Marwa Saleh
   Prof. Dr. Nahla El-Refai
   Prof. Dr. Noran Nagdy
   Prof. Dr. Mona Hegazi
   Prof. Dr. Nervana Gamal
   Dr. Hassan Ghandour

6. Co-ordinator
   Prof. Dr. Mohammed Baraka and Prof. Dr. Mahmoud Youssef

7. Last date of program approval:
   …………………July 2009…………………………

Benchmark: Communication Disorders And Speech Pathology Schools in Florida
(http://www.edref.com/college-degrees/health-care/communication-disorders-and-
speech-pathology/Florida)

B- Professional Information:

1. Program aims:
   The aim of this degree is to prepare a well-trained knowledgeable
   phoniatrician capable of diagnosing, managing, and planning correctly for the
   treatment of communication disorders. In addition to being capable of
   communicating efficiently with his colleagues, patients, working staff and coping
   with the advancing scientific progress in the field of phoniatrics.

2. Intended learning outcomes (ILOs):
   a. Knowledge and understanding:
      By the end of the program the candidate will be able to:
      a1- Know the anatomy and physiology of communication.

7
a2- Recognize the basics of genetics and its disorders contributing to communication disorders.
a3- Understand the basic statistical methods.
a4- Understand the basics of psychology.
a5- Understand the principles of psychometry.
a6- Understand the etiology, management plans of different communication disorders.
a7- Understand the various diseases contributing in the etiology of communication disorders; namely, audiological, endocrinological, psychiatric, otorhinolaryngological and plastic surgery diseases.

b. Intellectual capabilities:
By the end of this program the student should be able to:
b1- Classify communication disorders.
b2- Differentiate communication disorders from each other.
b3- Assess multi-system disease.
b4- Select appropriate investigations.
b5- Interpret appropriate instrumental results.
b6- Select the proper line of treatment.

c. Professional and practical skills:
By the end of the program the candidate will be able to:
c1- Carry out clinical examination of cases with communication disorders with variable presentation in the outpatient clinic.
c2- Perform different standardized tests.
c3- Apply instrumental assessment of various communication disorders.
c4- Practice intervention in different communication disorders subspecialties.

d. General and transferable skills:
By the end of the program the candidate will be able to:
d1- Acquire communication skills and teamwork.
d2- Acquire Presentation and language skills
d3- Carry out problem solving and brainstorming skills
d4- Acquire computer skills
d5- Deal with time and stress management skills

3. Curriculum structure and contents:
3a- Program duration: 2 years (4 Semesters)
### 3b- Program structure:

<table>
<thead>
<tr>
<th>المستندات المشتركة</th>
<th>الكود</th>
<th>الطلاب الدراسة</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ORL6101</td>
<td></td>
<td>علم التشريح</td>
</tr>
<tr>
<td>1 ORL6102</td>
<td></td>
<td>علم فسيولوجيا التداخل</td>
</tr>
<tr>
<td>1 ORL6103</td>
<td></td>
<td>الصوتيات واللسانيات</td>
</tr>
<tr>
<td>2 ORL6104 (a,b)</td>
<td></td>
<td>علم النفس والقياس النفسي</td>
</tr>
<tr>
<td>0.5 ORL6105</td>
<td></td>
<td>الأوراثية</td>
</tr>
<tr>
<td>0.5 ORL6106</td>
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<td>الإحصاء</td>
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</table>

**جزاء الأول**: متطلبات الكلية

<table>
<thead>
<tr>
<th>الساعات المعتادة</th>
<th>الدورة أساسيات البحث العلمي</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ORL6107</td>
<td>أمراض التداخل</td>
</tr>
<tr>
<td>3 ORL6108</td>
<td>الأمراض العصبية والنفسية</td>
</tr>
<tr>
<td>4 ORL6109 (a,b,c,d)</td>
<td>المود الإكلينيكية (علم السمع- جراحة التجميل- الأنف والأنف و الحنجرة- الغدد الصماء)</td>
</tr>
<tr>
<td>1 E6155</td>
<td>يختار الطالب مادة واحدة من:</td>
</tr>
<tr>
<td>6 E6156</td>
<td>ضعاف التعلم 55 - الجراحة الصوتية</td>
</tr>
<tr>
<td>3 E6156</td>
<td>E6156</td>
</tr>
<tr>
<td>7.5</td>
<td>المقررات الاختيارية</td>
</tr>
</tbody>
</table>

**جزاء الثاني**: الرسالة

<table>
<thead>
<tr>
<th>الساعات المعتادة</th>
<th>الدورة أساسيات البحث العلمي</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ORL6107</td>
<td>كراسة الأنثتة</td>
</tr>
<tr>
<td>36</td>
<td>المجموع</td>
</tr>
</tbody>
</table>

### 5. Program courses:  

**a- Compulsory:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
<th>No. of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL6101</td>
<td>Anatomy</td>
<td>15 Lect.</td>
</tr>
<tr>
<td>ORL6102</td>
<td>Physiology of communication</td>
<td>15 Clinical</td>
</tr>
<tr>
<td>ORL6103</td>
<td>Phonetics and linguistics</td>
<td>15 SDL.</td>
</tr>
<tr>
<td>ORL6104 (a,b)</td>
<td>Psychology and psychometry</td>
<td>30 LECT.</td>
</tr>
<tr>
<td>ORL6105</td>
<td>Genetics</td>
<td>7.5 SDL.</td>
</tr>
<tr>
<td>ORL6106</td>
<td>Medical Statistics</td>
<td>7.5 LECT.</td>
</tr>
<tr>
<td>ORL6107</td>
<td>Phoniatric disorders</td>
<td>75 LECT.</td>
</tr>
<tr>
<td>ORL6108</td>
<td>Neuropsychiatry</td>
<td>30 SDL.</td>
</tr>
<tr>
<td>ORL6109 (a,b,c,d)</td>
<td>Clinical subjects (Auditory, Plastic surgery – Otorhinolaryngology – Endocrinology)</td>
<td>60 LECT.</td>
</tr>
</tbody>
</table>
### Elective courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
<th>No. of hours</th>
<th>Lect.</th>
<th>Clinical</th>
<th>SDL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E6155</td>
<td>Learning disabilities</td>
<td>15</td>
<td>7.5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>E6156</td>
<td>Phonosurgery</td>
<td>15</td>
<td>7.5</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### 6. Program admission requirements:

المادة (6): يشترط لقيد الطالب للحصول على درجة الماجستير:

1. أن يكون حاصلًا على درجة البكالوريوس في الطب والجراحة من إحدى جامعات جمهورية مصر العربية أو على درجة معادلة
2. أن يكون قد أمضى سنة التدريب (الامتياز)
3. موافقة جهة العمل التفرغ للدراسة لمدة فصلين دراسيين قبل دخول امتحان الجزء الثاني.
4. تسديد الرسوم ومشروع التدريب واستياء الأجهزة واستياء المستندات المطلوبة في الملحق (1)
5. المؤتمر من التجنيد.

ملحق (1) : يقدم طالب الإلتحاق لدرجة الماجستير الأوراق التالية:

1. طلب إلتحاق
2. شهادة البكالوريوس
3. شهادة التمكين
4. شهادة الامتحانات
5. شهادة المهيلاد أو مادة مضافة
6. الامتحانات
7. رابط التسجيل
8. طلب تطوير
9. استمارة التسجيل
10. استمارة التسجيل

#### 7. Regulation for progression and program completion

مادة (8): يتم التسجيل للماجستير مرة واحدة في السنة تبدأ من أول يوليو حتى أخر أغسطس، على أن تبدأ الدراسة في شهر أكتوبر من كل عام، ويجوز قبل تسجيل التدريب مدة سباعية، 6. التسجيل للأوراق والتحقق من إكمال التسجيل في الفترة من أول نوفمبر حتى ألا يسمح لهم بدخول إمتحان الجزء الأول إلا بعد إنجاز فترة الدراسة المطلوبة.

مادة (9): توزع الدراسة في كل عام جامعي على فصول دراسية مدة كل منها خمسة عشر أسبوعاً. يبدأ الدراسة في أول أكتوبر ويبدأ الثاني في منتصف فبراير. مع تنفيذ فصول دراسي صيفي مكثف لمدة سبع سنوات. ويتم التسجيل للفصل الدراسي قبل أسبوعين من بدايةه على الأقل بعد استيفاء الشروط. حسب المقررات المسجدة. ولأن يكون البرامج الدراسي في الفصل الواحد على 6 ساعات معتمدة. ويجوز للطالب تجديد المقررات خلال سبعة أسبوعين من بداية الفصل الدراسي (بالحذف أو الإضافة). كما يجوز له الانسحاب خلال سه السياحة من أحد المقررات دون إلغاءها.

مادة (11): مدة الدراسة للحصول على درجة الدبلوم أو الماجستير هي أربعة وعشرون شهرًا (أربعة فصول دراسية) على جزئين يجتاز فيها الطالب برنامجًا تدريبيًا متكاملاً طبقًا للساعات الممتعمة المشتركة بالبرنامج. ويفضل خروجها المطلوبة من في كتيب متابعة الأنشطة ولا يسمح له بدخول الإمتحان قبل إتمامها مدة في كل جزء من البرنامج.

مادة (12): مدة الدراسة في الدبلوم والماجستير الجزء الأول فصل دراسي واحد يجتاز بعدها
طالب إمتحانًا ولا يشترط النجاح فيه بالكامل للانتقال للدراسة في الجزء الثاني، والجزء الثاني يتطلب تغذية
طالبًا للتدريب لمدة فصلين دراسيين بحث هدف الاستفسار أو المركز المعتمدة من الكلية.

مادة (13): يقوم الدارس لدرجة الماجستير بتسجيل موضوع الرسالة على شكل بحث نظري أو
عملي بعد استيفاء مطلوبة دراسي واحد على الأقل ويجوز أن ينقش رسالة بعد ستة شهور من التسجيل على
الأقل أن يكون قد نجح في مقررات الجزء الأول بالكامل وقبل دخول إمتحان الجزء الثاني ولا يخصص
لها درجات.

مادة (14): يقوم دارس الماجستير بإستيفاء متطلبات الجامعة قبل تسجيل الرسالة ومتطلبات
الكلية قبل دخول إمتحان الجزء الثاني، ومتطلبات الجامعة هي الحصول على شهادة التويفيل في اللغة
الإنجليزية بمجموع (450 درجة على أقل) ومتطلبات الكلية هي حضور دورات معتمدة من لجنة الدراسات
العليا بالكلية في مجالات مبان البحث العلمي والإحصاء الطبي أو بحثت إختبارات خاصة تحدها اللجنة.

مادة (15): يجوز للباحثين على درجة الدبلوم إستكمال درجة الماجستير بتسجيل رسالة
الماجستير خلال أربع سنوات من الحصول على درجة الدبلوم ويجمل على الدرجة بعد استيفاء مطلبات
الجامعة والكلية ومناقشة الرسالة بنجاح.

مادة (16): الساعات المعتمدة لدراسة الدبلوم والماجستير ثلاثين ساعة معتمدة على الأقل
يخصص منها ست ساعات لكتيب متابعة الأنشطة وتشمل ست ساعات على الأقل للجزء الأول وثمانى
عشرة ساعة على الأقل للجزء الثاني وضمنها ست ساعات للرسالة في الماجستير.

مادة (22): مدة القيد لدرجة الماجستير أربع سنوات.

مادة (23): مجموع درجات الامتحان النهائي للماجستير 1200 درجة منها 300 درجة للجزء
الأول، ويضاف إليها معدل الفصل الفاصلي بما يوازي 300 درجة للماجستير.

مادة (25): يعقد إمتحان الدور الأول في أكتوبر ونوفمبر من كل عام ويعد إمتحان الدور الثاني
في أبريل ومايو من كل عام.

مادة (26): يكون النجاح في كل مادة من الدبلوم العالي والماجستير بعد الحصول على 60%
من الدرجة الكلية لكل لجان المادة مجتمعة على الا يقل التحريري عن 50 % ويكون النجاح في مواد
الدكتوراه بعد الحصول على 60% من درجة التحريري والعملي والakoئليكيشي والشيوعي كل على حدة.

مادة (29): في حالة إستفادة مدة القيد يمكن لطالب الدراسات العليا إعادة التسجيل مرة أخرى ولا
يعتبر بالنجاح في الجزء الأول أو الرسالة يجب إعادة إعدادهما.
## Assessment Schedule and Weighing of Assessments

<table>
<thead>
<tr>
<th>Item</th>
<th>Mark</th>
<th>Points</th>
<th>GPA score</th>
<th>Student state</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>During</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>End of</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First semester (If present)</td>
<td>100</td>
<td>300</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Second semester</td>
<td>100</td>
<td>100</td>
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<td></td>
</tr>
<tr>
<td>Third semester</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Fourth semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final exam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Written</td>
<td>900</td>
<td>900</td>
<td>900</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
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<td></td>
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<tr>
<td>Practical/Clinical</td>
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<td></td>
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</tr>
<tr>
<td>Total</td>
<td>300</td>
<td>1200</td>
<td>1500</td>
<td></td>
</tr>
</tbody>
</table>

### GPA score Calculation

- **A** : 4.00
- **A-** : 3.70
- **B+** : 3.33
- **B** : 3.00
- **B-** : 2.67
- **C+** : 2.33
- **C** : 2.00
- **C-** : 1.67
- **F** : 0.00

### Student State

- **A** : Excellent
- **A-** : Very Good
- **B+** : Good
- **B** : Satisfactory
- **B-** : Pass
- **C+** : Pass
- **C** : Pass
- **C-** : Pass
- **F** : Fail

**Note:**

- GPA is calculated on the basis of the points obtained from the different assessments.
- CGPA is calculated on the basis of the points obtained from the different semesters.
- Grades are calculated based on the percentage of marks obtained.

---

**Mental Calculation:**

1. **First semester**
   - **Total Points:** 400
   - **Total GPA Points:** 100
   - **Total CGPA Points:** 400

2. **Second semester**
   - **Total Points:** 100
   - **Total GPA Points:** 25
   - **Total CGPA Points:** 100

3. **Third semester**
   - **Total Points:** 100
   - **Total GPA Points:** 25
   - **Total CGPA Points:** 100

4. **Fourth semester**
   - **Total Points:** 1200
   - **Total GPA Points:** 300
   - **Total CGPA Points:** 1200

5. **Final exam**
   - **Total Points:** 1500
   - **Total GPA Points:** 300
   - **Total CGPA Points:** 1500

---

**GPA Calculation:**

- **A** : 4.00
- **A-** : 3.70
- **B+** : 3.33
- **B** : 3.00
- **B-** : 2.67
- **C+** : 2.33
- **C** : 2.00
- **C-** : 1.67
- **F** : 0.00

**Note:**

- GPA is calculated on the basis of the points obtained from the different assessments.
- CGPA is calculated on the basis of the points obtained from the different semesters.
- Grades are calculated based on the percentage of marks obtained.

---

**Note:**

1. GPA is calculated on the basis of the points obtained from the different assessments.
2. CGPA is calculated on the basis of the points obtained from the different semesters.
3. Grades are calculated based on the percentage of marks obtained.
Anatomy course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatics
Major or minor element of programs: Major
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Phoniatic department.
Academic Level: Master – 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Anatomy course  Code: ORL6101
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15

Coordinator
Phoniatic department

B- Professional Information
1- Course Aims:
At the completion of this course students will have an understanding of the anatomy and physiology of the human communication system:
  1. Anatomy of the respiratory system
  2. Embryology of the larynx
  3. Anatomy of the vocal folds
  4. Embryology of the palate
  5. Anatomy of the palate
  6. Embryology of the pharynx
  7. Anatomy of the pharynx
  8. Anatomy of the oral cavity
  9. Anatomy of ear
 10. Anatomy of the nose
 11. Anatomy of the nervous system

2- Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the embryological development of the organs of the communication system.
a2) Describe the basic structure of the communication system.
b- **Intellectual skills**

*By the end of the course the candidate will be able to:*

b1) Apply the anatomical facts while examining the living subject in order to reach a proper diagnosis.

b2) Identify the different anatomical structures involved in human communication and determine the disorders in such processes while examining a patient.

c- **Professional skills**

*By the end of the course the candidate will be able to:*

c1) Differentiate anatomical structures of the communication system.

c2) Differentiate between normal and abnormal anatomical structures involved in human communication.

d- **General and transferable skills**

*By the end of the course the candidate will be able to:*

d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatrians must interact in their professional lives.

d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.

d3) Be responsible towards work.

d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L</td>
</tr>
<tr>
<td>Anatomy of the respiratory system</td>
<td>1</td>
</tr>
<tr>
<td>Embryology of the larynx</td>
<td>1</td>
</tr>
<tr>
<td>Anatomy of the vocal folds</td>
<td>2</td>
</tr>
<tr>
<td>Embryology of the palate</td>
<td>1</td>
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<tr>
<td>Anatomy of the palate</td>
<td>2</td>
</tr>
<tr>
<td>Embryology of the pharynx</td>
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</tr>
<tr>
<td>Anatomy of the pharynx</td>
<td>2</td>
</tr>
<tr>
<td>Anatomy of the oral cavity</td>
<td>1</td>
</tr>
<tr>
<td>Anatomy of ear</td>
<td>1</td>
</tr>
<tr>
<td>Anatomy of the nose</td>
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<tr>
<td>Anatomy of the nervous system</td>
<td>3</td>
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</tbody>
</table>

L: Lectures and SDL: Self directed learning
4- **Student Assessment Methods**
   4.1 Written exam to assess knowledge
   4.2 Oral exam to assess general and transferable skills

**Weighing of assessment**

<table>
<thead>
<tr>
<th></th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 written exam</td>
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</tr>
<tr>
<td>4.2 oral exam</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>50</strong></td>
</tr>
<tr>
<td>4.3 end-semester exam.</td>
<td>30</td>
</tr>
</tbody>
</table>

5- **List of References**

5.1- **Course Notes (paper and / or electronic)**
   None

5.2- **Essential Books (Text Books)**
   - Gray's Anatomy, 39th edition, 2005

5.3- **Recommended Books**
   - Anatomy for speech and hearing; fourth edition. John M. Palmer; 1993
   - Clinical neuroanatomy for medical students

5.4- **Periodicals, Web Sites, etc**
   - Journal of Speech Language and Hearing Research
   - Folia Phoniatrica et Logopedica
   - Journal of Voice
   - J. Neurosci.
Physiology of communication course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Major
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Phonicatic department.
Academic Level: Master – 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Physiology of communication course  Code: ORL6102
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15
Coordinator
Phonicatic department

B- Professional Information
1- Course Aims:
At the completion of this course students will have an understanding of the anatomy and physiology of the human communication system:
1. Physiology of respiration
2. Physiology of voice production
3. Mechanics of laryngeal function
4. Physiology of resonation
5. Physiology of swallowing
6. Neurophysiology of human communication
7. Physiology of the peripheral hearing system
8. Physiology of the central hearing system

2- Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the basic functions of the communication system.
a2) Describe the various physiological processes underlying human communication.

b- Intellectual skills
By the end of the course the candidate will be able to:
b1) Apply the physiological facts while examining the living subject in order to reach a proper diagnosis.
b2) Identify the different physiological processes involved in human communication and determine the disorders in such processes while examining a patient.

c- **Professional skills**

*By the end of the course the candidate will be able to:*

c1- Differentiate between the various physiological processes of human communication

c2- Differentiate between normal and abnormal physiological processes involved in human communication.

d- **General and transferable skills**

*By the end of the course the candidate will be able to:*

d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.

d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.

d3) Be responsible towards work.

d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
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<tbody>
<tr>
<td>Physiology of respiration</td>
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<tr>
<td>Physiology of voice production</td>
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<td>Mechanics of laryngeal function</td>
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<tr>
<td>Physiology of respiration</td>
<td>2</td>
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<tr>
<td>Physiology of swallowing</td>
<td>2</td>
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<tr>
<td>Neurophysiology of human communication</td>
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<tr>
<td>Physiology of the peripheral hearing system</td>
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<tr>
<td>Physiology of the central hearing system</td>
<td>1</td>
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</table>

L: Lectures and SDL: Self directed learning

4- **Student Assessment Methods**

4.1 Written exam to assess knowledge
4.2 Oral exam to assess general and transferable skills

**Weighing of assessment**

4.1 written exam  45  
4.2 oral exam  5  
Total: 50  
4.3 end-semester exam.  30
5- **List of References**

5.1- **Course Notes (paper and / or electronic): None**

5.2- **Essential Books (Text Books)**
   - Speech Science Primer; physiology, acoustics and perception of speech.

5.3- **Recommended Books**
   - Anatomy for speech and hearing; fourth edition. John M. Palmer; 1993

5.4- **Periodicals, Web Sites, etc**
   - Journal of Speech Language and Hearing Research
   - Folia Phoniatrica et Logopedica
   - Journal of Voice
   - J. Neurosci.
Phonetics and Linguistics course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Major
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Phoniatic department.
Academic Level: Master – 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Phonetics and Linguistic course  Code: ORL6103
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15

Coordinator
Phoniatic department

B- Professional Information
1- Course Aims:
At the completion of this course students will have an understanding of the principles of phonetics and linguistics:
1. Language acquisition and language theories
2. Language, cognition and communication
3. Language and thoughts
4. Language structure: (a) Phonology
   (b) Phonological development (c) Syntax and morphology
   (d) Pragmatics (e) Pragmatic development
   (f) Semantics (g) Semantic development
5. Acoustic phonetics
6. Articulatory phonetics
7. Clinical phonetics

2- Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the basic principles of structure of the language
a2) Describe the various principles of articulatory and acoustic phonetics.
b- **Intellectual skills**  
*By the end of the course the candidate will be able to:*  
b1) Apply the linguistic facts while examining the patient in order to reach a proper diagnosis.  
b2) Identify the different phonetic rules involved in human communication and determine the disorders in such processes while examining a patient.

c- **Professional skills**  
*By the end of the course the candidate will be able to:*  
c1- Differentiate between the different elements of the linguistic system.  
c2- Differentiate between normal and abnormal phonetic rules in human communication.

d- **General and transferable skills**  
*By the end of the course the candidate will be able to:*  
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.  
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.  
d3) Be responsible towards work.  
d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>1. Language acquisition and language theories</td>
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<td>2. Language, cognition and communication</td>
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<td>3. Language and thoughts</td>
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<td>4. Language structure:</td>
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<tr>
<td>(a) Phonology</td>
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<tr>
<td>(b) Phonological development</td>
<td>1</td>
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<tr>
<td>(c) Syntax and morphology</td>
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<tr>
<td>(d) Syntactic development</td>
<td>1</td>
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<tr>
<td>(e) Pragmatics</td>
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<td>(f) Pragmatic development</td>
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<td>(g) Semantics</td>
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<tr>
<td>(h) Semantic development</td>
<td>1</td>
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<tr>
<td>5. Acoustic phonetics</td>
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<td>6. Articulatory phonetics</td>
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<td>7. Clinical phonetics</td>
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</tbody>
</table>

L: Lectures and SDL: Self directed learning
4- Student Assessment Methods
   4.1 written exam to assess knowledge
   4.2 oral exam to assess general and transferable skills

Weighing of assessment
   4.1 written exam 40
   4.2 oral exam 10
   Total: 50
   4.3 end-semester exam 40

5- List of References
5.1- Course Notes (paper and / or electronic)
   None
5.2- Essential Books (Text Books)
   • Cognitive and language development in children
   • Elements of acoustic phonetics
5.3- Recommended Books
   • General Linguistics and Phonetics
   • Clinical phonetics
   • Language handbook, Muma I.R
5.4- Periodicals, Web Sites, etc
   • Journal of Speech Language and Hearing Research
   • Folia Phoniatrica et Logopedica
   • Journal of Voice
   • Journal of Acoustic Society Am.
   • Language and Speech
Psychology course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Psychiatry department.
Academic Level: Master - 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Psychology course  Code: ORL6104a
Credit Hours: 1.5 hours  Lecture: 1.5h / week  Total: 22.5

Coordinator
Psychiatry department

B- Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the principles of human psychology:
1. The Principle of Learning
2. Memory and Remembering
3. Attention and Perception
4. Intelligence
5. Thinking, Cognition and Cognitive Functions
6. Motivation
7. Emotion
8. Doctor-Patient Relationship
9. Communication Skills

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding

By the end of the course the candidate will be able to:

a1) Describe the basic theories of developmental psychology
a2) Describe the principles of intelligence, memory process, concept and types of personality.
b- Intellectual skills

*By the end of the course the candidate will be able to:*

b1) Apply the psychological facts while examining the patient in order to reach a proper diagnosis.
b2) Identify the different psychological principles that are important for the integrity of human communication.

c- Professional skills

*By the end of the course the candidate will be able to:*
c1- Differentiate between the different types of personalities.
c2- Differentiate between normal and abnormal psychological factors important for human communication.

d- General and transferable skills

*By the end of the course the candidate will be able to:*
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental psychology</td>
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<tr>
<td>Intelligence</td>
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<tr>
<td>Learning</td>
<td>4</td>
</tr>
<tr>
<td>Memory</td>
<td>4</td>
</tr>
<tr>
<td>Concept</td>
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</tr>
<tr>
<td>Personality</td>
<td>4</td>
</tr>
</tbody>
</table>

L: Lectures and SDL: Self directed learning

4- Student Assessment Methods

4.1 written exam to assess knowledge
4.2 oral exam to assess general and transferable skills

**Weighing of assessment**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 written exam</td>
<td>45</td>
</tr>
<tr>
<td>4.2 oral exam</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>50</td>
</tr>
</tbody>
</table>
5- List of References

5.1- Course Notes (paper and / or electronic)

None

5.2- Essential Books (Text Books)

- Brief notes in psychology, Prof. Dr. Mohammed Ghanem
- Essentials of Psychology

5.3- Recommended Books

- A new introduction to Psychology
- Sense and non-sense in Psychology

5.4- Periodicals, Web Sites, etc

- Journal of Psychometry and Psychology
- Acta Psychology
Psychometry course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Psychiatry department.
Academic Level: Master - 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Psychometry course  Code: ORL6104b
Credit Hours: 0.5 hour  Lecture: 0.5h / week  Total: 7.5

Coordinator
Psychiatry department

B- Professional Information

1- Course Aims:
   At the completion of this course students will have an understanding of the principles of psychometry:
   1. Strategy of psychometric testing
   2. Methods of testing validity of a test
   3. Methods of testing reliability of a test
   4. Various psychometric tests

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
   By the end of the course the candidate will be able to:
   a1) Describe the basic strategies of psychometry
   a2) Describe the principles of psychometric testing.
b- Intellectual skills

By the end of the course the candidate will be able to:

b1) Apply the psychometric testing while examining the patient in order to reach a proper diagnosis.
b2) Identify the different methods to test the reliability and validity of psychometric testing.

c- Professional skills

By the end of the course the candidate will be able to:
c1) Differentiate between the different types of psychometric tests.
c2) Differentiate between the different methods to test the reliability and validity of a test.

d- General and transferable skills

By the end of the course the candidate will be able to:
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>Strategy for evaluation of a psychometric test</td>
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<tr>
<td>Methods of measuring validity of a test</td>
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<tr>
<td>Methods for measuring reliability of a test</td>
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L: Lectures and SDL: Self directed learning

4- Student Assessment Methods

4.1 written exam to assess knowledge
4.2 Oral exam to assess general and transferable skills

Weighing of assessment

<table>
<thead>
<tr>
<th></th>
<th>No of hours</th>
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<tbody>
<tr>
<td>4.1 written exam</td>
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<tr>
<td>4.2 oral exam</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>50</td>
</tr>
</tbody>
</table>
5- **List of References**

5.1- **Course Notes (paper and/or electronic)**
   None

5.2- **Essential Books (Text Books)**
   - Psychological testing

5.3- **Recommended Books**
   - Essentials of Psychology
   - A new introduction to Psychology

5.4- **Periodicals, Web Sites, etc**
   - Journal of Psychometry and Psychology
   - Acta Psychology
Genetics course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Pediatric department.
Academic Level: Master – 1st semester
Date of specification approval: July 2009

A- Basic Information
Title: Genetics course  Code: ORL6105
Credit Hours: 0.5 hour  Lecture: 0.5h / week  Total: 7.5

Coordinator
Pediatric department

B- Professional Information

1- Course Aims:
   At the completion of this course students will have an understanding of the principles of human genetics:
   1. Cell division
   2. Chromosomal basis of heredity
   3. Chromosomal abnormalities
   4. Modes of inheritance
   5. Inherited metabolic disorders
   6. Structure and function of genes

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
   By the end of the course the candidate will be able to:
   a1) Describe the basic principles of inheritance
   a2) Describe the various chromosomal disorders
b- Intellectual skills  
By the end of the course the candidate will be able to:  
b1) Apply the genetic facts while examining the patient in order to reach a proper diagnosis.  
b2) Identify the different types of genetic disorders contributing to the occurrence of communication disorders.  

c- Professional skills  
By the end of the course the candidate will be able to:  
c1) Differentiate between the different types of chromosomal abnormalities.  
c2) Differentiate between normal and abnormal psychological factors important for human communication.  

d- General and transferable skills  
By the end of the course the candidate will be able to:  
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatrians must interact in their professional lives.  
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.  
d3) Be responsible towards work.  
d4) Maintain a professional image concerning behavior, dress and speech.  

3- Course content:  

<table>
<thead>
<tr>
<th>Topics</th>
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<tbody>
<tr>
<td>Introduction (definition, classifications, congenital anomalies, mechanism of inborn errors of metabolism)</td>
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<tr>
<td>Mental retardation (definition, causes – management)</td>
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<tr>
<td>Chromosomal abnormalities</td>
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<tr>
<td>Basis of molecular genetics and its application in diagnosis and treatment</td>
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<tr>
<td>Clinical examples of inborn errors of metabolism (PKU-Galacosemia-Storage disease)</td>
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<td>Patterns of inheritance</td>
<td>1</td>
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<tr>
<td>Microdeletion syndromes</td>
<td>1</td>
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<tr>
<td>Management of genetic diseases</td>
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</table>
  
L: Lectures and SDL: Self directed learning
4 - Student Assessment Methods
  4.1 written exam to assess knowledge

Weighing of assessment
  4.1 written exam 25

5 - List of References
5.1- Course Notes (paper and / or electronic)
  None
5.2- Essential Books (Text Books)
  • Emery's elements of medical genetics 13th ed
5.3- Recommended Books
  • Thomson and Thomson
  • Mining phenotypes for gene functions prediction
5.4- Periodicals, Web Sites, etc
  • The Egyptian Journal of Human Genetics
  • Nat. Genet.
  • Hum. Mol. Genet.
Medical statistics Course specifications:

University: Ain Shams Faculty of Medicine

Course Specifications:
Program on which the course is given: Master of Science in Geriatrics and Gerontology
Major or minor element of programs: Minor
Department offering the program: Department of Geriatrics and gerontology
Department offering the course: Community, Environmental and Occupational Medicine
Academic year: Master – 1st semester
Date of specification approval: July 2009

A- Basic Information:
Title: Medical statistics course  Code: ORL6106
Credit Hours: 0.5 hr  Lecture: 0.5 hr/w  Total: 7.5 hrs
Coordinator:
Community, Environmental and Occupational Medicine Department

B - Professional Information:
1- Course Aims:
To plan, conduct, analyze and interpret the results of a research in his specific field. This course unit introduces the application of statistical ideas and methodology to medical research.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and Understanding:
By the end of the course the candidate will be able to:
a1- Define medical statistics and identify uses and importance of medical statistics in medical research.
a2- Define:
- Types of variables.
- Descriptive statistics.
- Presentation and summarization of data.
- Measures of central tendency and scatter.
- Principles of probability and probability distributions.
- Concepts of inferential statistics: confidence interval and hypothesis testing.
- Different tests of statistical significance.
- Difference between parametric and nonparametric tests of significance.
- Correlation and regression
- Concept of statistical modeling using multivariable and multivariate statistical methods.
- Combining evidence from different studies and meta-analysis
- Importance and methods of sampling and how to determine the suitable sample size.

a3- Recognize different types of research methodology: observational and intervention studies and the different statistical issues related to the design, conduct, analysis and interpretation of the results of each study type.

a4- Recognize ethical aspects of medical research including those specifically applied to clinical trials.

b- Intellectual Skills:

*By the end of the course the candidate will be able to:*

b1- Interpret correctly the results of statistical analyses and critically evaluate the use of statistics in the medical literature.

b2- Integrate and evaluate information from a variety of sources.

C- Professional Skills:

*By the end of the course the candidate will be able to:*

c1- Select appropriate study designs to address questions of medical relevance.

c2 -Select and apply appropriate statistical methods for analyzing data typically encountered in medical applications.

c3-Use selected software packages for statistical analysis and data management.

D- General and Transferable Skills:

*By the end of the course the candidate will be able to:*

d1 - Work effectively in a group from different backgrounds.

d2 - Respects the role of staff and co-staff members regardless of degree or occupation.

d3 - Communicate effectively with professional statisticians and the wider medical community, including the ability to present results of statistical analyses through written and oral presentations.

d4 - Use of computer data bases and other computer skills.

d5 - Handle data appropriately and analyze them through: decision processes, objective criteria, problem definition, project design and evaluation, risk management, teamwork and coordination.

d6 - Learn independently with open-mindedness and critical enquiry.
3- **Course Contents:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>L</th>
<th>SDL</th>
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<tbody>
<tr>
<td>Introduction to medical statistics and its uses</td>
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<tr>
<td>Types of variables and Descriptive statistics</td>
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<td>Graphic presentation of data</td>
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<tr>
<td>Introduction to probability theory and rules</td>
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<td>Sample and population: sampling distribution of mean and proportion</td>
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<td>Simple correlation and simple regression</td>
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<td>Introduction to multivariable and multivariate analysis</td>
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<tr>
<td>Study designs</td>
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<tr>
<td>Ethical issues in medical research</td>
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<tr>
<td>Sample size estimation for continuous and binary outcome measures.</td>
<td>0.5</td>
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<tr>
<td>Meta-analysis and publication bias.</td>
<td>0.5</td>
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</tr>
</tbody>
</table>

SDL: Self directed learning

4 - **Student Assessment Methods:**

4.1 written exam to assess knowledge & skills

**Weighing of Assessment:**

4.1 Written exam 25

5- **List of References:**

5.1- **Course Notes (paper and / or electronic):**

Student Notes on Medical Statistics and Research Methods. Prof. Mohsen Abdel Hamid and Dr. Moustafa El-Houssinie. Department of Community, Environmental and Occupational Medicine.

5.2- **Essential Books (Text Books):**


5.3- **Recommended Books:**

Handbook of Epidemiology. Springer 2005

5.4- **Periodicals, Web Sites, etc.**

- [www.brettscaife.net/statistics/introstat/](http://www.brettscaife.net/statistics/introstat/)
- [onlinestatbook.com/rvls/](http://onlinestatbook.com/rvls/)
- [www. Epidemiolog.net](http://www. Epidemiolog.net)
- [http://www.shef.ac.uk/scharr/spss/](http://www.shef.ac.uk/scharr/spss/)
Phoniatric disorders course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Major
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Phoniatric department.
Academic Level: Master – (semesters 2, 3, 4).
Date of specification approval: July 2009

A- Basic Information
Title: Phoniatric disorders course  Code: ORL6107
Credit Hours: 10 hours  Lecture: 5hs/week  Total: 75 hs
Clinical: 10hs/week  Total: 150 hs

Coordinator
Phoniatric department

A- Professional information:
1- Course aims:
   a- Competency in the diagnosis of Phoniatrics disorders.
   b- Competency in the assessment of communication disorders.
   c- Competency in the rehabilitation of communicative disorders.

2- Intended Learning Outcomes of Course[ ILOs]:
   a) Knowledge and Understanding:
   By the end of the course the candidate will be able to:
   a1) Understand principles of communication disorders in 3 major categories
       comprising common presentations in Language, Speech, and voice.
   a2) Understand the principles of swallowing disorders.
   a3) Comprehend the principles of phonosurgery.
   a4) Master sound knowledge of the assessment of communication disorders.
   a5) Master sound knowledge of the rehabilitation of communication disorders.

   b) Intellectual skills:
   By the end of the course the candidate will be able to:
   b1) Apply analytical skills in choice of investigations and treatment situations.
   b2) Carry out problem solving of common Phoniatrics disorders.
   b3) Perform proper follow-up of cases presentations.
c) **Professional and practical skills:**
*By the end of the course the candidate will be able to:*
c1) Carry out history taking skills.
c2) Perform vocal tract examination thoroughly.
c4) Examine patients with disorders of voice, speech and language clinically and instrumentally and perform related formal tests on those patients in order to reach detailed etiological diagnosis and suggest prognosis.
c5) Outline the therapeutic measures in the field of diseases of voice, speech and language and applies them surgically, pharmacologically and behaviourally in order to be able to draw and perform the strategy of therapy in the field efficiently.
c6) Know the principles of related basic sciences in order to apply them in the management of patients and to carry out research work.
c7) Cooperate with disciplines related to disorders of voice, speech and language in order to participate in teamwork necessary for the proper management of those patients.
c8) Apply specific test batteries according to case at hand.
c9) Carry out the various measurements and investigations using the available instrumental diagnostic procedures in order to support the preliminary diagnosis objectively.
c4) Apply specific habilitation/rehabilitation programs in management of various communication disorders.

d- **General and transferable skills**
*By the end of the course the candidate will be able to*
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.
3- Course contents:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
<th>L</th>
<th>Clinical</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Voice disorders:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Symptomatology of voice disorders</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Assessment of vocal fold vibration</td>
<td>3</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Organic voice disorders</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Functional voice disorders</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
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<tr>
<td>- Minimal associated pathological lesions</td>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
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<tr>
<td>- Voice therapy</td>
<td>2</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Total laryngectomy</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II. Speech disorders:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Stuttering</td>
<td>6</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Nasality</td>
<td>6</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Dysarthria</td>
<td>6</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Dyslalia</td>
<td>1</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III. Language disorders:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Delayed language development (introduction)</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Hearing Impairment</td>
<td>4</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Autism</td>
<td>4</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Brain damaged-motory handicap</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Attention deficit hyperactivity disorder</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Specific language impairment</td>
<td>2</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Dysphasia</td>
<td>4</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV. Swallowing disorders</td>
<td>12</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

L: Lectures and SDL: Self directed learning

4- Teaching and Learning methods:

4.1- Lectures are given on selected topics.
4.2- Flow chart guidelines that demonstrate how to approach the clinical problem, how to order the relevant investigations and provide the necessary treatment.
4.3- Clinical teaching demonstrating how to analyze the symptoms, how to illicit the signs, and how to interpret the investigations.
4.5- Problem based learning where a case relevant to the topic is discussed.
4.6- Computer assistant learning where research assignments are given on certain clinically relevant subjects.

5- Student Assessment:

Assessment tools:
- MCQs to assess knowledge and understanding.
- Short essay questions to assess knowledge and understanding.
- Problem solving questions to assess intellectual and analytical skills.
- Oral examination to assess decision making skills and analytical skills in choice of investigations and treatment.
• Clinical examination to assess history talking skills and competency in laryngeal examination.

**Student Assessment Methods**

5.1 written exam to assess knowledge
5.2 Oral exam to assess general and transferable skills
5.3 Clinical exam to assess practical and clinical skills

**Weighting of assessments:**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written examination</td>
<td></td>
</tr>
<tr>
<td>First paper</td>
<td>135</td>
</tr>
<tr>
<td>Second paper</td>
<td>135</td>
</tr>
<tr>
<td>Oral exam</td>
<td>70</td>
</tr>
<tr>
<td>Clinical exam</td>
<td>260</td>
</tr>
<tr>
<td>Total</td>
<td>600</td>
</tr>
</tbody>
</table>

**End semester exams:**

- Second sem. (item I: voice disorders): 100
- Third sem. (items III: language disorders): 100
- Fourth sem. (items II and IV: speech disorders and swallowing disorders): 100

6-**List of references:**

**Course notes:**
None

**Essential Books:**

- Stuttering; *An integrated approach to its nature and treatment*. Barry Guitar, 1998

**Recommended Books:**


**Periodicals, Web sites:**

- Journal of voice.
- American Speech-Language-Hearing Association
- Laryngoscope
- Folia Phoniatrica et Logopedica
Neurology course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Neurology department
Academic Level: Master –2nd semester
Date of specification approval: July 2009

A- Basic Information
Title: Neurology course  Code: ORL6108a
Credit Hours: 2 hours  Lecture: 1h/week  Total: 15
Clinical: 2h/week  Total: 30

Coordinator
Neurology department

B- Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the basic of neurological disorders:
1. The motor system
2. The sensory system
3. Motor disorders

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the basis of motor control
a2) Describe various neurological disorders contributing to communication disorders
a3) Describe the various management plans for such neurological disorders
b- **Intellectual skills**

*By the end of the course the candidate will be able to:*

b1) Identify various neurological diseases contributing to disorders of communication.

b2) Identify the different diagnostic tools for diagnosing such neurological disorder.

c- **Professional skills**

*By the end of the course the candidate will be able to*

c1) Carry out neurological examination.

c2) Formulate the results of neurological assessment so as to reach for the etiology of such neurological disorder.

d- **General and transferable skills**

*By the end of the course the candidate will be able to*

d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.

d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.

d3) Be responsible towards work.

d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood supply of the brain</td>
<td>L 1 Clinical 3 SDL</td>
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<tr>
<td>Cerebrovascular stroke</td>
<td>2 3</td>
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<tr>
<td>Pyramidal tract lesions</td>
<td>2 3</td>
</tr>
<tr>
<td>Extrapyramidal tract lesions</td>
<td>2 3</td>
</tr>
<tr>
<td>Cerebellar lesions</td>
<td>2 3</td>
</tr>
<tr>
<td>Muscle diseases</td>
<td>1 3</td>
</tr>
<tr>
<td>Motor neuron disease</td>
<td>1 3</td>
</tr>
<tr>
<td>Epilepsy</td>
<td>1 3</td>
</tr>
<tr>
<td>Cerebral palsy</td>
<td>1 3</td>
</tr>
<tr>
<td>Dementia</td>
<td>1 3</td>
</tr>
<tr>
<td>Demyelinating diseases</td>
<td>1 3</td>
</tr>
</tbody>
</table>

*L: Lectures and SDL: Self directed learning*
4- **Student Assessment Methods**

4.1 written exam to assess knowledge
4.2 Clinical exam to assess clinical skills

**Weighing of assessment**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>4.1 written exam</td>
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<tr>
<td>4.2 clinical exam</td>
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5- **List of References**

5.1- *Course Notes (paper and/ or electronic)*

None

5.2- **Essential Books (Text Books)**

- Brain 's of neurological disease
- Textbook of Clinical Neurology

5.3- **Recommended Books**

- Adam 's textbook of neurology
- Clinical pediatric neurology
- Neurological differential diagnosis
- Merrit

5.4- **Periodicals, Web Sites, etc**

- Journal of Neurology
- European Journal of Neurology
- Archives of Neurology
Psychiatry course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Psychiatry department
Academic Level: Master –2nd semester
Date of specification approval: July 2009

A- Basic Information
Title: psychiatry course  Code: ORL6108b
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15

Coordinator
Psychiatry department

B- Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the
basic of neurological disorders:
1. Schizophrenia and other psychotic disorder:
2. Mood disorder
3. Neurotic and stress related disorder
4. Psychiatric emergencies
5. Psychiatric treatment
6. Child psychiatry

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Acquire knowledge base that will promote complete diagnosis and
management of psychiatric disorders.
a2) Describe and Comprehend the Epidemiology, Psychopathology and Outcome
of psychiatric disorder.
a3) Master and Understand the Biological, Psychological and Social Factors in the
Development of Psychiatric Disorders.
a4) Acquiring knowledge about pharmacotherapy, psychotherapy and other modalities of therapeutic interventions in psychiatry.

a1) Describe the basics of neurotic disorders
a2) Describe basics of psychotic disorders

b- Intellectual skills
By the end of the course the candidate will be able to:
b1) Identify various neurotic disorders contributing for communication disorders.
b2) Identify the various psychotic disorders contributing for communication disorders.

c- Professional skills
By the end of the course the candidate will be able to:
c1) Carry out psychiatric assessment.
c2) Formulate the results of psychiatric so as to reach for the etiology of such psychological disorders
c3) correlate between the psychiatric condition of the patient and the etiology of the communicative handicap.

d- General and transferable skills
By the end of the course the candidate will be able to:
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniaticians must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L</td>
</tr>
<tr>
<td>Schizophrenia and Other Psychotic Disorder:</td>
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<tr>
<td>Mood Disorder</td>
<td>3</td>
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<tr>
<td>Neurotic and Stress Related Disorder</td>
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<tr>
<td>Psychiatric Emergencies</td>
<td>1</td>
</tr>
<tr>
<td>Psychiatric Treatment</td>
<td>2</td>
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<tr>
<td>Child Psychiatry</td>
<td>4</td>
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</tbody>
</table>

L: Lectures and SDL: Self directed learning
4 - **Student Assessment Methods**

4.1 written exam to assess knowledge
4.2 Oral exam to assess general and transferable skills

**Weighing of assessment**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>4.1 written exam</td>
<td>35</td>
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<tr>
<td>4.2 oral exam</td>
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<td><strong>Total</strong></td>
<td>45</td>
</tr>
</tbody>
</table>

5 - **List of References**

**5.1- Course Notes (paper and or electronic)**

*None*

**5.2- Essential Books (Text Books)**

- Clinical Psychiatry, Prof. Mohamed Ghanem, 2009

**5.3- Recommended Books**

- Pocket Handbook of Clinical Psychiatry, Benjamin James Sadock, Virginia Alcott Sadock, Last edition
- Medical Psychology, Book of The Institute of Psychiatry, Last edition
- Textbook of Clinical Neuropsychiatry

**5.4- Periodicals, Web Sites, etc**

- Journal of Clinical Psychiatry
- The American Journal of Psychiatry
- Acta Psychology
Audiology course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Audiology department
Academic Level: Master –3rd semester
Date of specification approval: July 2009

A- Basic Information
Title: Audiology course  Code: ORL6109a
Credit Hours: 1 hours  Lecture: 1h / week  Total: 15

Coordinator
Audiology department

B - Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the basics of audiology:
1. Basic audiological testing
2. Types of hearing aids
3. Assessment and auditory rehabilitation of cochlear implantation

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Chose the appropriate audiological test according the age
a2) Describe the principles of various audiological tests
a3) Describe the types of hearing aids
a4) Describe the program of assessment and rehabilitation of cochlear implantation
b- Intellectual skills
By the end of the course the candidate will be able to:

b1) Interpret the results of audiological testing.
b2) Identify the appropriate auditory habilitation/rehabilitation program for a hearing impaired patient.

c- Professional skills
By the end of the course the candidate will be able to

c1- Carry out Auditory training program.
c2- Assess a candidate for a cochlear implantation.

d- General and transferable skills
By the end of the course the candidate will be able to

d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hearing loss in children (definition, types and causes)</td>
<td>2</td>
</tr>
<tr>
<td>Impact of hearing loss on children</td>
<td>2</td>
</tr>
<tr>
<td>Identification of hearing loss in children</td>
<td>2</td>
</tr>
<tr>
<td>Hearing tests in children</td>
<td>3</td>
</tr>
<tr>
<td>Management of hearing loss in children (A. Amplification)</td>
<td>2</td>
</tr>
<tr>
<td>Management of hearing loss in children (B. Rehabilitation)</td>
<td>2</td>
</tr>
<tr>
<td>Management of hearing loss in children (C. Rehabilitation of central hearing loss)</td>
<td>2</td>
</tr>
</tbody>
</table>

L: Lectures and SDL: Self directed learning

4 - Student Assessment Methods

4.1 written exam to assess knowledge
4.2 oral exam to assess general and transferable skills

Weighing of assessment

<table>
<thead>
<tr>
<th>Weighing of assessment</th>
<th>4.1 written exam</th>
<th>4.2 oral exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>10</td>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>
5 - List of References

5.1- Course Notes (paper and/or electronic)
None

5.2- Essential Books (Text Books)
• Handbook of Clinical Audiology

5.3- Recommended Books
• Introduction of aural rehabilitation
• Pediatric Otolaryngology

5.4- Periodicals, Web Sites, etc
• Journal of American Speech and Hearing Association (ASHA)
• Acta Otolaryngol.
• Journal of Speech-Language and Hearing Research
Plastic surgery course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Plastic surgery department
Academic Level: Master –3rd semester
Date of specification approval: July 2009

A- Basic Information
Title: Plastic surgery course  Code: ORL6109b
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15

Coordinator
Plastic surgery department

B - Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the basics of palate disorders:
1. Etiology of cleft palate
2. Surgical reconstruction of cleft palate
3. Surgical complications

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the surgical techniques for cleft palate repair
a2) Describe the choice of operations in different cases
a3) Describe the surgical complications that could happen
b- Intellectual skills
By the end of the course the candidate will be able to:
   b1) Identify various surgical techniques used for palatal reconstruction.
   b2) Identify the appropriate surgical techniques for such cases of cleft palate.

c- Professional skills
By the end of the course the candidate will be able to
   c1- Carry out palatal assessment.
   c2- Assess the clinical outcome of palatal surgery
   c3- Correlate between the degree of reconstruction and the postoperative speech outcome.

d- General and transferable skills
By the end of the course the candidate will be able to
   d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniaticians must interact in their professional lives.
   d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
   d3) Be responsible towards work.
   d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embryology of the palate</td>
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<tr>
<td>Anatomy of the palate</td>
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<tr>
<td>Etiology and classification of cleft lip and palate</td>
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<tr>
<td>Clinical picture of cleft lip and palate</td>
<td>2</td>
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<tr>
<td>Management of cleft lip and palate</td>
<td>2</td>
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<tr>
<td>Complications</td>
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<tr>
<td>Definition of velopharyngeal insufficiency</td>
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</tr>
<tr>
<td>Anatomy and function of velopharyngeal valve</td>
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<tr>
<td>Assessment off velopharyngeal valve</td>
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<tr>
<td>Surgical correction of velopharyngeal insufficiency</td>
<td>2</td>
</tr>
</tbody>
</table>

L: Lectures and SDL: Self directed learning

4 - Student Assessment Methods
   4.1 written exam to assess knowledge
   4.2 clinical exam to assess general and transferable skills
Weighing of assessment

4.1 written exam 15
4.2 clinical exam 10
Total 25

5 - List of References
5.1- Course Notes (paper and or electronic)
None
5.2- Essential Books (Text Books)
- Cleft lip and palate; surgical, dental ad speech aspects

5.3- Recommended Books
- Cleft palate speech

5.4- Periodicals, Web Sites, etc
- Journal of Plastic & Reconstructive Surgery
- The Cleft palate-craniofacial journal
- Journal of Craniofacial Surgery
- Journal of cranio-maxillo-facial surgery
- American Journal of Plastic Surgery
Otorhinolaryngology course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: ORL department
Academic Level: Master –3rd semester
Date of specification approval: July 2009

A- Basic Information
Title: Otorhinolaryngology course
Code: ORL6109c
Credit Hours: 1 hour
Lecture: 1h / week  Total: 15

Coordinator
ORL department

B - Professional Information

1- Course Aims:
At the completion of this course students will have an understanding of the basics of otorhinolaryngology:
1. Ear diseases
2. Laryngeal diseases
3. Pharyngeal diseases
4. Diseases of the nose

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the various otological disorders
a2) Describe the various rhinological disorders
a3) Describe the various pharyngeal disorders
a4) Describe the various laryngeal disorders
b- Intellectual skills

By the end of the course the candidate will be able to:
b1) Identify various otorhinolaryngological disorders.
b2) Identify the appropriate correlation of such disorders and the etiology of communication disturbances.

c- Professional skills

By the end of the course the candidate will be able to:
c1- Carry out ear, nose and throat examination.
c3- Correlate between the otorhinolaryngological diseases and the etiology of the communication disorders.

d- General and transferable skills

By the end of the course the candidate will be able to:
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatrists must interact in their professional lives.
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d3) Be responsible towards work.
d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of E.N.T. examination</td>
<td>2</td>
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<tr>
<td>Laryngeal diseases</td>
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<td>Diseases of the nose</td>
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<tr>
<td>Ear diseases</td>
<td>3</td>
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</table>

L: Lectures and SDL: Self directed learning

4 - Student Assessment Methods

4.1 written exam to assess knowledge
4.2 clinical exam to assess general and transferable skills

Weighing of assessment

<table>
<thead>
<tr>
<th>4.1 written exam</th>
<th>4.2 clinical exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
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</table>
5 -- List of References

5.1- Course Notes (paper and/ or electronic)
None

5.2- Essential Books (Text Books)
- Scott Brown's Otolaryngology Head and Neck Surgery
- Logan Turner' Diseases of Nose, Throat and Ear

5.3- Recommended Books
- Diagnosis in Otorhinolaryngology
- Basics of ENT

5.4- Periodicals, Web Sites, etc
- J. Otol. Laryngol.
- Laryngoscope
- Acta Otolaryngologica
Endocrinology course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Minor
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Endocrinology department
Academic Level: Master –4th semester
Date of specification approval: July 2009

A- Basic Information
Title: Endocrinology course  Code: ORL6109d
Credit Hours: 1 hour  Lecture: 1h /week  Total: 15

Coordinator
Endocrinology department

B - Professional Information

1- Course Aims:
   At the completion of this course students will have an understanding of the basics of endocrinological disturbances:
   1. Neuroendocrinal regulation of various hormones
   2. Neuroendocrinal disturbances
   3. Impacts of neuroendocrinal disturbance on human communication

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
   By the end of the course the candidate will be able to:
   a1) Describe the functions of hormones
   a2) Describe the clinical pictures of various endocrinial diseases
   a3) Describe the effects of such disturbances on human communication
b- **Intellectual skills**  
*By the end of the course the candidate will be able to:*  
b1) Identify various endocrinal diseases.  
b2) Identify the appropriate correlation between endocrinal disorders and communication disorders.

c- **Professional skills**  
*By the end of the course the candidate will be able to:*  
c1- Carry out palatal assessment.  
c2- Assess the clinical outcome of palatal surgery  
c3- Correlate between the degree of reconstruction and the postoperative speech outcome.

d- **General and transferable skills**  
*By the end of the course the candidate will be able to:*  
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.  
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.  
d3) Be responsible towards work.  
d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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<tr>
<td>Neuroendocrine regulation and disorders of pituitary gland</td>
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<tr>
<td>Disorders of growth</td>
<td>2</td>
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<tr>
<td>Disorders of thyroid gland</td>
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<tr>
<td>Disorders of the adrenal cortex</td>
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<td>Diabetes mellitus</td>
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<tr>
<td>Iatrogenic hormonal disorders</td>
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<td>Hypocalcemia</td>
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<td>Disorders of gonadal system</td>
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</table>

L: Lectures and SDL: Self directed learning

4 - **Student Assessment Methods**

4.1 written exam to assess knowledge  
4.2 clinical exam to assess general and transferable skills

**Weighing of assessment**

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<table>
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<tr>
<td>4.2 clinical exam</td>
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</table>
5 - List of References

5.1 - Course Notes (paper and/or electronic)
None

5.2 - Essential Books (Text Books)
- Basic and Clinical Endocrinology

5.3 - Recommended Books
- Endocrine physiology
- Williams textbook of endocrinology
- Endocrinology "Mac E. Hadly"

5.4 - Periodicals, Web Sites, etc
- Journal of Endocrinology
- Journal of Clinical Endocrinology and Metabolism
- European Journal of Endocrinology
- International Journal of Endocrinology
Learning disabilities course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Major
Department offering the program: Phoniatric department- Ain Shams University
Department offering the course: Phoniatric department
Academic Level: Master – 4th semester
Date of specification approval: July 2009

A- Basic Information
Title: Learning disabilities course  Code: E6155
Credit Hours: 1 hour  Lecture: 1h / week  Total: 15

Coordinator
Phoniatric department

B - Professional Information
1- Course Aims:
At the completion of this course students will have an understanding of the basics of learning disabilities:
1. Causes of learning disabilities
2. Various types of learning disabilities
3. Intervention program for learning disabilities

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the causes of learning disabilities
a2) Identify the various types of learning disabilities
a3) Describe the various intervention programs for the different types of learning disabilities

b- Intellectual skills
By the end of the course the candidate will be able to:
b1) Diagnose the cases of learning disabilities.
b2) Put an intervention program for such cases of learning disabilities.
c- Professional skills

*By the end of the course the candidate will be able to:*

- c1- Carry out language test.
- c2- Carry out phonemic awareness test
- c3- Perform reading test
- c4- Perform word finding difficulty test
- c5- Carry out Illinois test

d- General and transferable skills

*By the end of the course the candidate will be able to:*

d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.

d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.

d3) Be responsible towards work.

d4) Maintain a professional image concerning behavior, dress and speech.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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<tbody>
<tr>
<td>Anatomy and physiology of reading, writing and spelling</td>
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<tr>
<td>Normal development of reading, writing and spelling</td>
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<tr>
<td>Pre-requisites for acquisition of reading, writing and spelling</td>
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<tr>
<td>Learning disabilities: definition, prevalence, risk factors, aetiology, classification</td>
<td>2</td>
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<tr>
<td>Lower order process disorders (phonological awareness, sound awareness)</td>
<td>1</td>
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<tr>
<td>Higher order process disorders (vocabulary size, word finding difficulty, semantics, syntax)</td>
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<tr>
<td>Attention and learning disabilities</td>
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<tr>
<td>Memory and learning disabilities (working memory, short term memory, long term memory)</td>
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<tr>
<td>Assessment protocol for cases of learning disabilities</td>
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<tr>
<td>Management of learning disabilities (multidisciplinary team)</td>
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<tr>
<td>How to draw a program of therapy</td>
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<tr>
<td>Application of therapy program</td>
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<tr>
<td>Efficacy of therapy program</td>
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</tbody>
</table>

L: Lectures and SDL: Self directed learning
4 - **Student Assessment Methods**

4.1 written exam to assess knowledge

**Weighing of assessment**

| 4.1 written exam | 50 |

5- **List of References**

5.1- **Course Notes (paper and/or electronic)**

None

5.2- **Essential Books (Text Books)**

- Dyslexia in children; multidisciplinary approach.
- Learning disabilities, theories and teaching strategies. Lerner Janet

5.3- **Recommended Books**


5.4- **Periodicals, Web Sites, etc**

- American Speech-Language-Hearing Association
- Folia Phoniatica et Logopedica
Phonosurgery course specification

University: Ain Shams University  Faculty: of Medicine

Course specifications:
Program on which the course is given: Master of Science in Phoniatrics
Major or minor element of programs: Major
Department offering the program: Phoniatic department- Ain Shams University
Department offering the course: Phoniatic department
Academic Level: Master –4th semester
Date of specification approval: July 2009

A- Basic Information
Title: Learning disabilities course  Code: E6156
Credit Hours: 1 hour  Lecture: 0.5h / week  Total: 7.5
Clinical: 1h/week  Total: 15

Coordinator
Phoniatic department

B - Professional Information
1- Course Aims:
At the completion of this course students will have an understanding of the basics of phonosurgery:
1. Surgical anatomy
2. Extirpation endolaryngeal microsurgery
3. Laser surgery
4. Neurophonosurgery
5. Reconstruction phonosurgery

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
a1) Describe the surgical anatomy of the larynx.
a2) Identify the various techniques of phonosurgery.
a3) Describe the choice of surgery for the various diagnoses.
b- **Intellectual skills**

*By the end of the course the candidate will be able to:*  
b1) Describe the steps of phonosurgery.  
b2) Identify the type of surgery for the different cases.

c- **Professional skills**

*By the end of the course the candidate will be able to:*  
c1- Participate in microlaryngeal surgery.  
c2- Carry out preoperative and postoperative assessment  
c3- Carry out postoperative rehabilitation program

d- **General and transferable skills**

*By the end of the course the candidate will be able to:*  
d1) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom phoniatricians must interact in their professional lives.  
d2) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.  
d3) Be responsible towards work.  
d4) Maintain a professional image concerning behavior, dress and speech.

3- **Course content:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>Surgical anatomy</td>
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<td>Aims and classification of phonosurgery</td>
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<td>Extirpation endolaryngeal surgery</td>
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<td>Laser surgery</td>
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<td>Vocal fold augmentation</td>
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<td>Laryngeal framework surgery</td>
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<td>Neurophonosurgery</td>
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<td>Reconstruction phonosurgery</td>
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</table>

**L: Lectures and SDL: Self directed learning**

4 - **Student Assessment Methods**

4.1 written exam to assess knowledge

**Weighing of assessment**

4.1 written exam  50
5- List of References

5.1- Course Notes (paper and/ or electronic)
None

5.2- Essential Books (Text Books)
Phonosurgery: Theory and practice. Isshiki,N

5.3- Recommended Books
The history of phonosurgery. Von Leden H.L.
Professional voice. The science and art of clinical case. Sataloff R.T.

5.4- Periodicals, Web Sites, etc
- Arch Otolaryngol
- Ann Otol Rhinol Laryngol
- Laryngoscope
- Otolaryngol Head Neck Surgery
- Folia Phoniatrica et Logopedica
- Journal of Voice
# Modules and Codes

## Module 1 (1st semester): [Credit hours: 6]

<table>
<thead>
<tr>
<th>Course title</th>
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<tbody>
<tr>
<td>Anatomy</td>
<td>ORL6101</td>
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<tr>
<td>Physiology of communication</td>
<td>ORL6102</td>
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<tr>
<td>Phonetics and linguistics</td>
<td>ORL6103</td>
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<tr>
<td>Psychology and psychometry</td>
<td>ORL6104 (a,b)</td>
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<td>Genetics</td>
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<td>Medical Statistics</td>
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## Module 2 (2nd semester): [Credit hours: 6]

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<td>Phoniatic disorders (item 1: Voice disorders)</td>
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<tr>
<td>Neuropsychiatry</td>
<td>ORL6108</td>
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## Module 3 (3rd semester) [Credit hours: 6]

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<td>Phoniatic disorders (item III: Language disorders</td>
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<tr>
<td>Clinical subjects (Audiology -Plastic surgery – Otorhinolaryngology)</td>
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## Module 4 (4th semester) [Credit hours: 6]

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<tr>
<td>Phoniatic disorders (items II and IV: Speech disorders and swallowing disorders)</td>
<td>ORL6107</td>
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<tr>
<td>Clinical subjects (Endocrinology)</td>
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<td><em>One of the following elective courses:</em></td>
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<td>Learning disabilities</td>
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<tr>
<td>Phonosurgery</td>
<td>E6156</td>
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</table>
VI – Your log book
1- Introduction

The aim of this book is to give you a guide to the expectations for each item. It will be a guide for both you and your teachers to what you should be seeing and doing.

It will give you a list of the important topics that you should think about and should be covered in:

1. Clinical or practical sessions or
2. Tutorials or
3. Self-directed learning (SDL)

For each item there is also a list of

1. Clinical conditions or Practical sessions to be seen or attended (According to each degree)
2. Practical procedures to be seen and done

Remember

This document is only a guide. It is not an exhaustive list. It is not just a checklist to score points. It is a guide to encourage you to read and learn more. This book is for your benefit. It will form a record of your clinical training and experience.

2- Supervisors

Make a list of Supervisors or the delegated personnel for signature

...........................................................
...........................................................
...........................................................
...........................................................

3- Tables for Training Records

Candidates are required to fulfill 75% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = 75%. You are free to attend more and record your extra attendance.

Weekly Department Plan

<table>
<thead>
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<th>Day /time</th>
<th>Saturday</th>
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<th>Monday</th>
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<td>Instrumental education</td>
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<td>Conference</td>
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<td>Specialized Clinics</td>
<td>Voice Disorders</td>
<td>Speech disorders</td>
<td>Learning disabilities</td>
<td>Swallowing disorders</td>
<td>Hearing impairment and cochlear implantation</td>
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</table>
**Tuesday Conference:**
Includes clinical case presentation, lectures & articles presentation (Journal club)

**Monthly & Yearly activities:**
Egyptian Society of Logopedics and Phoniatrics

**Conferences attendance**
(NB. Minimum number required is 24)

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<th>Place</th>
<th>Topics</th>
<th>Supervisor signature</th>
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# Thesis attendance
(NB. Minimum number required is 10)

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Outpatient Clinics attendance  
(NB. Minimum number required is 60)

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## Operative cases Attended
(NB. Minimum number required is 10)

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A- Poor, B- Satisfactory, C- Excellent
### Yearly activities Attended
(NB. Minimum number required is 8)

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### Case presentations
(NB. Minimum number required is 6)

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Practical skills (Agreement Scale)

**Requirements**

a- Candidates are required to fulfill 75% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = 75%. You are free to attend more and record your extra attendance
5- Log book preview

The candidate logbook will be reviewed and patients seen/ skills performed summarized by diagnosis groups during the semester evaluation and at the end of the course in the table below. The results of this review will be totaled in the summary chart below.

Summary

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Supervisor signature

VII- Head Of Department Approval For The Exam Entry

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VIII- Thesis Follow up

التقرير النصف السنوي لعام / عن الطالب /
المقيد لدرجة ماجستير بقسم /
تقرير السادة الإساتذة المشرفين

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<th>انتهى من الجمع</th>
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وكيل الكلية
**VIII– Thesis Follow up**

التقرير النصف السنوي لعام / عن الطالب / المقيد لدرجة ماجستير / بقسم / تقرير السادة الإساتذة المشرفين

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تم تشكيك لجنة المناقشة

/ نعم لا /

/ توقيع السادة المشرفين /

وكيل الكلية

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**VIII– Thesis Follow up**

التقرير النصفي السنوي لعام

التاريخ:

التقرير المقدم لدرجة ماجستير

قسم:

تقرير السادة الأستاذة المشرفين

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VIII– Thesis Follow up

التقرير النصف السنوي لعام / عن الطالب / المقيد لدرجة ماجستير
قسم /
تقرير السادة الإساتذة المشرفين

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<th>أشغال تماما</th>
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رأى السادة المشرفين

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<th>شطب قيد الطالب</th>
<th>مستمر قيد الطالب</th>
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تم تشكيك لجنة المناقشة

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<th>تاريخ التشكيل</th>
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توقيع السادة المشرفين

وكيل الكلية

الموافقه

78
VIII– Evaluation Forms

*Evaluation Form (at the end of each semester)*
To be completed at -----------------------------

**Candidate**

**Supervisor**

**Location**

Aim of training

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________

Agreed educational objectives and timescale in which objectives should be achieved.

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Comments by Candidate

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Comments by Supervisor

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*Date of next meeting*

Signed by candidate

Signed by Supervisor

Date
VIII– Evaluation Forms

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__________________________________________________________________
__________________________________________________________________

Comments by Supervisor
__________________________________________________________________
__________________________________________________________________
__________________________________________________________________

Date of next meeting

Signed by candidate

Signed by Supervisor

Date
Degree Program Evaluation Form by The Candidate
To be completed at the end of your degree.

Please consider each pair of statements and decide which most clearly reflects your view and tick one box or answer the question.

I. Individual Information
1. Are you a graduate of ASU?
   ☐ yes ☐ no ☐ to some degree
2. Year and semester when studies began:

II. General Questions
1. What are the advantages/disadvantages of the general study environment at the University ASU?

2. What were your expectations when you applied to the degree?

3. Do you feel that the degree program prepares you well for your future studies or employment according to the demands and expectations of those institutions?
   ☐ yes ☐ no ☐ to some degree

4. Has the time limit of the program (two or three academic years) caused you any difficulties or inconveniences?
   ☐ yes ☐ no ☐ to some degree

III. Structure of Degree Program
1. Did you receive enough guidance in planning your study schedule in the beginning of the program?
   ☐ yes ☐ no ☐ to some degree

2. What were the main difficulties in the planning of your study schedule?

3. What is your general opinion on the structure of the degree program?
4. In your opinion, does the degree program offer a good balance of lectures, seminars, conferences, and book exams?

☐ yes  ☐ no  ☐ to some degree

a) General Studies

i) Do you feel that you have received enough guidance on academic writing?

☐ yes  ☐ no  ☐ to some degree

ii) Do you feel that you have acquired sufficient knowledge on research skills (eg. quantitative and qualitative research methods)?

☐ yes  ☐ no  ☐ to some degree

b) Courses

i) Have you had some special difficulties in completing some of the courses? Please specify.

ii) Has there been a sufficient variety of courses offered for your optional studies?

☐ yes  ☐ no  ☐ to some degree

iii) Have you received enough guidance for the preparation of your thesis?

☐ yes  ☐ no  ☐ to some degree

IV. Concluding Points

1. Did the degree program meet your expectations?

☐ yes  ☐ no  ☐ to some degree

2. What aspects of the degree program do you particularly like?

3. What aspects of the degree program do you particularly dislike?

4. What are your suggestions on how to improve the program?

Thank you!