



إعتماد توصيف مقررات برنامج الدبلوم فى جراحة الأذن والأنف

والحنجرة

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمي لدرجة الدبلوم فى جراحة الأذن والأنف والحنجرة والمقررات الدراسية المكونة له قد تم وضعها بمعرفة الأقسام

م	اسم المقرر	اسم منسق المقرر	التوقيع	اسم رئيس القسم	التوقيع
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عميد الكلية



وكيل الكلية للدراسات العليا

Peer Revision

Reviewers	University	Date of Revision
- Prof. Dawlat Salem	Cairo	10/12/2011
- Prof. Ahmad K. Mansur	Mansura	28/11/2011

PROGRAM SPECIFICATION FOR DIPLOMA OF Otolaryngology

Sohag University

Faculty of Medicine

A. Basic Information

1. Program title: Diploma degree in Otolaryngology.
2. Program type: Single Program.
3. faculty: Faculty of Medicine
4. Department: Otolaryngology
5. Coordinator: Dr. Waleed Abd El Hafeez Mohammed, Lecturer at Otorhinolaryngology Department, Sohag Faculty of Medicine, Sohag University.
6. Assistant coordinator : Khalid Abd El Rahman Ali, Assistant Lecturer at Otorhinolaryngology Department, Sohag Faculty of Medicine, Sohag University.
7. External evaluator: Professor/ Mahmoud Ragheb Mohammed Elsherif, Professor of Otolaryngology, Assuit University.
8. Last date of program specifications approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013.

B. Professional Information

1. Program aims

The aim of this program is to provide the postgraduate student with the medical knowledge and skills essential for the professional practice of **Otolaryngology** and through providing:

1. Scientific knowledge essential for the practice of otolaryngology .
2. Skills necessary for proper diagnosis and management of patients in the field of Otolaryngology including diagnostic, problem solving , decision making and operative skills.
3. Ethical principles related to practice in this speciality.
4. Active participation in community needs management and problems solving.
5. Maintenance of abilities necessary for continuous medical education.

2. Attributes of the student:

1. Application of the specific knowledge gained during practice of ENT.
2. Identification of professional problems in this specialty and suggest solutions for them.
3. Mastering professional skills and usage of suitable technologies in practice of ENT.
4. Ability to efficiently communicate and lead team works throughout organized professional work.
5. Decision making at the lights of the available information.
6. Perfect utilization of available resources.

7. Awareness of his role in community development and maintain good environment.
8. Reflects the commitment to act with integrity, credibility and professional norms and accountability.
9. Recognize the need to develop himself and to engage in continuous learning

3. Intended learning outcomes (ILOs)

a) Knowledge and understanding

By the end of the study of diploma program in Otolaryngology the Graduate should be able to :

- a1. Mention the normal structure and function of the human head and neck on the macro and micro levels.
- a2. Enumerate in the normal growth and development of the human head and neck.
- a3. List the abnormal structure, function, growth and development of human Ear, Nose and Throat.
- a4. Describe the natural history of Otolaryngology diseases.
- a5. Mention the causation of Otolaryngology diseases
- a6. Enumerate Methods of Otolaryngology health and preventing their illness.
- a7. List the clinical picture and differential diagnosis of Otolaryngology illnesses.
- a8. Enumerate in the common diagnostic and laboratory techniques necessary to establish diagnosis of Otolaryngology illnesses.
- a9. Describe the various therapeutic methods/alternatives used for Otolaryngology diseases
- a10. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of Otolaryngology
- a11. List the principles and fundamentals of quality assurance of professional practice in the field of Otolaryngology
- a12. Enumerate The effect of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual skills

By the end of the study of diploma program in Otolaryngology, the graduates should be able to :

- b1. Identify and Analyze the information in the field of Otolaryngology and rank them according to their priorities.
- b2. Solve problems in the area of Otolaryngology.
- b3. Analyze researches and issues related to Otolaryngology.
- b4. Assess risk in professional practices in the field of Otolaryngology.
- b5. Make professional decisions making in the light of the available data..

c) Professional and practical skills

By the end of the study of diploma program in Otolaryngology the graduates should be able to :

- c1. Master professional skills in the field of Otolaryngology
- c2. Write medical reports.
- c3. Use appropriate technology in the field of Otolaryngology

d) General and transferable skills

By the end of the study of diploma program in Otolaryngology the graduates should be able to:

- d1. Communicate effectively by all types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify his personal needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Develop rules and indicators for assessing the performance of others.
- d6. Work in a team, and team's leadership in various professional contexts.
- d7. Manage time effectively.
- d8. Learn himself continuously.

4. Academic standards

Sohag faculty of Medicine adopted the general National Academic Reference Standards (NARS) provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs. This was approved by the faculty Council decree NO.6854, in its session No.177 Dated: 18-5-2009. Based on these NARS: Academic Reference Standards (ARS) were suggested for this program. These ARS were suggested for this program. These ARS were approved by the Faculty Council decree No.7528, in its session No.191, dated 15-3-2010. The adoption of NARS and the suggested ARS were approved by University council degree No 587, in its session No.60. Dated 26-12-2011

5. Curriculum Structure and Contents

5.a- Program duration: (3 semesters (1.5 years)

5.b- Program structure

5.b i No. of hours per week

Subject	No of hours/week		
	Lectures	Practical/ surgical	Clinical
First Part			
1. Pathology	2	2	---
2. Microbiology	2	2	
3. anatomy and embryology	2	2	
4. basics of audiology and phoniatics	2	2	
5. medical biostatistics	1	2	
Second part			
Diseases of Ear, Nose and Throat, clinical examination of the ear, nose, larynx, pharynx, esophagus, trachea, bronchi	7.5	3	4

code	Item	No	%	
b.i	Total credit hours	Compulsory	36	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	9	25	
b.iv	credit hours of courses of social sciences and humanities	0	0	

b.v	credit hours of specialized courses:	25	69.4
b.vi	credit hours of other course	2	5.5
b.viii	Program Levels (in credit-hours system):		
	Level 1: 1 st part	14	38.9
	Level 2: 2 nd Part	22	61.1

6. Program courses

6.1 Level/Year of Programme First Part Semester 1

Course Title	Total No. of hours credit	No. of hours/week			Programme ILOs covered (by No.)
		Lectures	Practica 1	clinical	
Anatomy and Embryology	3	2	2		a1,a2,b1,b2,c1,d4,d6
Microbiology	3	2	2		a1,a3,a4,a5,a6,b1,c2,c3,d1,d2,d4
Pathology related to Otolaryngology es	3	2	2		a3,a4,a7,b2,b5,c2,d2,d4,d8
Basics of audiology and phoniatics	3	2	2		a1,a4,a7,b1,c3,d2,d4
Medical biostatistics	2	1	1		a15, a16, b3, c1, d3

Second Part Semesters 2

	Lectures	Practical	clinical	credit	
Diseases of Ear, Nose and Throat, clinical examination of the ear, nose, larynx, pharynx, esophagus, trachea, bronchi	7.5	3	4	22	a4,a5,a6,a7,a8,a10,b1,b2,b4,,c3,d1,d4,d7,d8

7. Program admission requirements

General Requirement

A. Candidates should have either:

1. MBChB Degree from any Egyptian Faculties of Medicine or
2. Equivalent Degree from Medical Schools abroad approved by the Ministry of Higher Education

B-Candidates should pass the house officer training year

C- Follow Regulatory rules of postgraduate studies of Sohag Faculty of Medicine.

8. Regulations for progression and program completion

Duration of program is 3 semesters (1.5 years), starting from registration till the second part exam divided to:

First Part: (≥ 6 months=1 semester):

- Program-related basic sciences and some Program-related clinical sciences
- At least six months after registration should pass before the student can ask for examination in the 1st part.
- Two sets of exams: 1st in April — 2nd in October.
- For the student to pass the first part exam, a score of at least 60% in each curriculum is needed(with at least 40% of the written exam).
- Those who fail in one curriculum need to re-exam it only.

Second Part: (≥ 12 months=2 semester):

- Program related specialized science of Otolaryngology Courses. After passing 12 ms training in the department of Otolaryngology
The student should past the first part before asking for examination of the second part
- Two sets of exams: 1st in April — 2nd in October.
- For the student to pass the second part exam, a score of at least 60% is needed (with at 60% of the written exam and 50% of oral, clinical and practical exam).

9. Methods of student assessment

Method of assessment	The assessed ILOs
1-Research assignment	- General transferable skills, intellectual skills
2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
3-OSCE	-Practical skills, intellectual skills, general transferable skills
4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

10. Evaluation of program intended learning outcomes

Evaluator	Tool	Sample
1- Senior students	Questionnaire	9
2- Alumni	Questionnaire	10
3- Stakeholders	Interviews	30
4-External Evaluator(s) - (External Examiner(s))	Reports	1
5- Other		

Course Specifications of Anatomy and Embryology in diploma degree in Otolaryngology

Sohag University

Faculty Of Medicine

Course Specifications

1. Program on which the course is given: diploma degree in Otolaryngology
2. Minor element of program.
3. Department offering the program: Otorhinolaryngology departement
4. Department offering the course: Human Anatomy & Embryology
5. Academic year / Level: first part.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Human Anatomy & Embryology

Code : ANA0524-100

Topic	No of hrs	Lecture	Practical	Credit
Total	60	30	30	3

B. Professional Information

1. Overall Aims of Course

By the end of the course the student should be able to have the professional knowledge about the anatomy and embryology of the head, neck and chest

2. Intended Learning Outcomes of Course (ILOs):

a) knowledge and Understanding

By the end of this course the student should be able to

- a1. Mention the normal structure of the human head and neck Ear ,Nose and Throat on the macro level.
- a2. Mention the normal growth and development of the human head and neck, ear nose and throat.

b) Intellectual skills

By the end of this course the student should be able to:

- b1. Identify and Analyze the information in the field of otolaryngology and rank them according to their priorities.
- b2. Use anatomical information to solve problems in the area of otolaryngology.

c) Professional and practical skills

By the end of this course the student should be able to:

- c1. Master professional skills in the field of good anatomic basis.

d) General and transferrable skills

By the end of this course the student should be able to:

- d1. Use different sources to obtain information and knowledge.
- d2. Work in a team, and team's leadership in various professional contexts.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Introduction	8	4	4
Anatomy and embryology of the nose	8	4	4
Anatomy and embryology of the ear	8	4	4
Anatomy and embryology of the pharynx	8	4	4
Anatomy and embryology of the larynx	8	4	4
Anatomy and embryology of the nasal cavity	8	4	4
Revision	12	6	6
Total	60	30	30
Credit Hours	3	2	1

4. Teaching and Learning Methods

- 4.1-Lectures.
- 4.2-practical lessons

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

- Assessment 1...Final Clinical exam... Week:21-22
- Assessment 2.... Final written exam.... Week:22-23
- Assessment 3 Final Oral ex.... Week: 24

Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	30%
Finaal clinical ex	20%
Total	100%

6. List of References

6.1- Course Notes

Notes of the department and practical notebook

6.2- Essential Books (Text Books)

Gray's Anatomy, 1987.

6.3- Recommended Books

A coloured Atlas of Human anatomy and Embryology, 2002.

7. Facilities Required for Teaching and Learning

Data show device for lectures.

Course Coordinator: Dr . Salwa Ouies.

Head of Department: Dr. Ahmed M.Eldsoky.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Basics of Audiology and Phoniatics in Diploma degree in Otolaryngology

Sohag University

Faculty Of Medicine

1. Program on which the course is given: Basics of audiology and phoniatics
2. Minor element of program.
3. Department offering the program: Otorhinolaryngology departement
4. Department offering the course: Otorhinolaryngolog
5. Academic year / Level: first part.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Basics of audiology and phoniatics

Code: ENT 0524-100

Topic	No of hrs	Lecture	Practical	credit
Total	60	30	30	3

B. Professional Information

1. Overall Aims of Course

By the end of the course the student should be able to have the have the professional knowledge about the anatomy and embryology of the head ,neck and chest

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and understanding:

By the end of the course the student should have the ability to:

- a1.Mention the normal structure of the human ear and larynx.
- a2.Enumerate the natural history of phoniatic and hearing disorders .
- a3.List the clinical picture and differential diagnosisOf popular phoniatic and hearing disorders.

b) Intellectual skills

By the end of the course the student should have the ability to:

- b1. Identify and Analyze the information in the field of audiology and phoniatics and rank them according to their priorities.

c) professional and practical skills

By the end of the course the student should have the ability to:

- c1. Use appropriate technology in the field of Otolaryngology

d) General and Transferrable skills

- d1. Use information technology to serve the development of professional practice.
- d2. Use different sources to obtain information and knowledge.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Pure tone evaluation, Speech audiometry & Clinical masking.	4	2	2
Acoustic immittance measures, Tympanometry & Acoustic reflexes.	4	2	2
Detection & assessment of hearing loss in infants and children.	4	2	2
Central auditory processing disorders.	4	2	2
Auditory evoked potentials.	4	2	2
Otoacoustic emissions.	4	2	2
Psychiatric disorders relating to hearing loss.	4	2	2
Hearing loss in elderly.	4	2	2
Hearing aids.	4	2	2
Cochlear implant.	4	2	2
Evaluation and management of balance disorders.	4	2	2
Pseudohypacusis.	4	2	2
Noise induced hearing loss.	4	2	2
Ototoxicity.	4	2	2
Rehabilitation of hearing loss in adult and children.	2	1	1
Rehabilitation of vestibular disorders	2	1	1
Total	60	30	30
Credite Hours	3	2	1

4. Teaching and Learning Methods

4.1-Lectures.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

Assessment 1.... Final written exam....	Week ...24
Assessment 2.....Final Structured Oral Exam	week....24

Weighting of Assessments

Final written examination	50	%
Structured Oral Exam	50	%
Total	100	%

6. List of References

6.1- Course Notes

Notes of the department and practical notebook

6.2- Essential Books (Text Books)

6.3- Recommended Books

7. Facilities Required for Teaching and Learning

- Slide projector
- PowerPoint programs and data show
- Other multimedia for case presentation and clinical skills
- Audiovisual system in the operative theatre to be acquainted with common operations

Course Coordinator: Dr /Mohammed Abd El Ghafar, Dr /Ahlam El Adawy

Head of Department: Prof/Mohammed Abd ElKader Ahmed.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Pathology in Diploma degree in Otolaryngology

Sohag University

Faculty Of Medicine

1. Program on which the course is given: Diploma degree in Otolaryngology
2. Minor element of program.
3. Department offering the program: Otorhinolaryngology department
4. Department offering the course: pathology department
5. Academic year / Level: First part.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Pathology

Code: PAT 0524-100

Topic	No of hrs	Lecture	Practical	credit
Total	60	30	30	3

B. Professional Information

1. Overall Aims of Course

By the end of the course the post graduate students should be able to have the professional knowledge of the pathology of medical diseases related to E.N.T.

2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty

a) **Knowledge and Understanding:**

By the end of the course the student should be able to:

- a1. List the abnormal structure, of human Ear, Nose and Throat.
- a2. Describe recent advances in the natural history and pathogenesis of Otolaryngology diseases
- a3. List the gross and his to pathology of Otolaryngology illnesses.

b) **Intellectual Skills:**

By the end of the course the student should have the ability to:

- b1. Solve problems in the area of otolaryngology based on pathologic data
- b2. Make professional decisions making in the light of the available pathological data..

c) **Professional and Practical Skills:**

By the end of the course the student should have the ability to:

- c1. Evaluate in a professional manner pathological reports.

d) **General and Transferable Skills:**

By the end of the course the student should have the ability to:

- d1. Effectively utilize various computer based instruction tools and E-learning of Pathology and utilize a variety of computer-based self assessment tools
- d2. Use different sources to obtain information and knowledge.
- d3. Learn himself continuously.

3. Course contents:

Topic	No. of hours	Lecture	Practical
1- <u>General Pathology:</u>	20		
1.1. Inflammation & repair.	2	1	1
1.2. Cell response to injury and aging.	2	1	1
1.3. Disturbances of circulation.	2	1	1
1.4. Immunity and hypersensitivity.	2	1	1
1.5. Bacterial infection.	2	1	1
1.6. Tuberculosis and leprosy.	2	1	1
1.7. Viral and rickettsial infections.	2	1	1
1.8. Mycotic diseases.	2	1	1
1.9. Disturbances of cellular growth.	2	1	1
1.10. General pathology of tumors.	2	1	1
2- <u>Head & neck diseases:</u>	40		
2.1. Diseases of the nose & nasal sinuses.	2	1	1
2.2. Diseases of the oral cavity.	2	1	1
2.3. Diseases of salivary glands.	2	1	1
2.4. Diseases of the tonsils.	2	1	1
2.5. Diseases of pharynx.	2	1	1
2.6. Diseases of the larynx.	2	1	1
2.7. Diseases of the trachea & bronchi.	2	1	1
2.8. Diseases of external, middle & internal ear.	2	1	1
2.9. Diseases of thyroid gland.	4	2	2
2.10. Diseases of parathyroid gland.	4	2	2
2.11. Lymphadenopathy.	4	2	2
2.12. Lymphomas & leukemia.	4	2	2
2.13. Bleeding disorders, epistaxis & hemoptysis.	4	2	2
2.14. Anemia & leucopenia.	4	2	2
Total	60	30	30
Credit	3	2	1

4. Teaching and Learning Methods

- 4.1. Lectures.
- 4.2. Gross and histopathology.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

- | | |
|------------------------------------|---------|
| Assessment 1. Written examination | week 23 |
| Assessment 2. Structured Oral Exam | week 24 |

Weighting of Assessments

Final-term written examination	50	%
Structured Oral Exam	50	%
Total	100	%

6. List of References

6.1- Course Notes:

Principles of General and Special Pathology;
Gamal Nada.

6.2- Essential Books (Text Books):

- Muir's text book of pathology.
- Robbins pathologic basis of diseases.

6.3- Recommended Books:

- Rosi & Ackerman text book of pathology.
- Sternberg text book of pathology.

6.4- Periodicals, American journal of pathology

Pathology
Human pathology

Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

7. Facilities Required for Teaching and Learning:

- a. Library & textbooks.
- b. Computer & data show.
- c. Internet connection.

Course Coordinator: Dr/Fatma El- Zahraa

Head of Department: Dr/Eman Mohamed Salah El-Deen

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Medical Microbiology and Immunology in Diploma degree in Otolaryngology

Sohag University

Faculty Of Medicine

1. Program on which the course is given: Diploma degree in Otolaryngology
2. Minor element of program
3. Department offering the program : Otorhinolaryngology
4. Department offering the course: Medical Microbiology & Immunology.
5. Academic year / Level: 1PstP part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Medical Microbiology & Immunology

Code: MIC0524-100

Topic	No of hrs	Lecture	Practical	credit
Total	60	30	30	3

B. Professional Information

1. Overall Aims of Course

By the end of the course the postgraduate student should be efficiently able to have basic knowledge of the microorganisms affecting human beings all over the world and particularly in Egypt , and learn to use the knowledge gained from applied microbiology to better understand the pathology, clinical symptoms, complications and the laboratory tests needed for diagnosis of each disease, in particular how to use microbiological testing in determining antibiotic prescription. The student is also expected to acquire advanced knowledge about the structure and function of the immune system and the role of the immune system in health and disease.

2. Intended Learning Outcomes of Course (ILOs):

a) **Knowledge and Understanding:**

By the end of the course the student is expected to:

- a1. Mention the structure and function of immune system
- a2. List the pathology, clinical symptoms and complications of each disease.
- a3. Enumerate the natural history of Otolaryngology diseases.
- a4. Mention the causation of Otolaryngology diseases on immunologic base .
- a5. Describe infection control methods

b) **Intellectual Skills:**

By the end of the course the student is expected to:

- b1. Interpret data through microbiological testing to reach a provisional diagnosis for Otolaryngology problems

c) **Professional and Practical Skills:**

By the end of the course the student should have the ability to

- c1. Write different pathological and microbiological reports
- c2. Identify the methods of staining, culturing and biochemical reactions

d) **General and transferrable Skills:**

By the end of the course the student should have the ability to:

- d1. Use data analysis and communication skills
- d2. Use the computer and internet to gather scientific information
- d3. Use different sources to obtain information and knowledge.

3. Contents

Topic	No of hrs	Lecture	Practical
Bacterial anatomy & Physiology	2	1	1
Bacterial genetics	2	1	1
Recombinant DNA technology	2	1	1
Antibiotics	2	1	1
Sterilization & Disinfection	2	1	1
<u>Systematic Bacteriology</u>	2	1	1
Gram +ve cocci	2	1	1
Gram -ve cocci	2	1	1
Gram +ve bacilli	2	1	1
Gram -ve bacilli(1)	2	1	1
<u>General virology</u>	2	1	1
<u>Systematic Virology</u>	2	1	1
RNA viruses	2	1	1
DNA viruses	2	1	1
<u>Mycology</u>			
Fungal classifications	2	1	1
Opportunistic mycosis& Antifungal drugs	2	1	1
<u>Immunology</u>			
Congenital & Acquired Immunity	2	1	1
Immunological Cells	2	1	1
Hypersensitivity	2	1	1
Transplantation	2	1	1
Tumor Immunology	2	1	1
Immunodeficiency	2	1	1
<u>Applied Microbiology</u>			
Bacterial Cultures	2	1	1
Bacterial Isolation & Identification	2	1	1
Diagnostic Molecular Biology Methods	1	.5	.5
Diagnostic Molecular Biology Methods	1	.5	.5
Antibiotic Sensitivity Tests	1	.5	.5

6.3- Recommended Books

A coloured Atlas of Microbiology.
Topley and Wilson, Microbiology

6.4- Periodicals, Web Sites, ... etc

Microbiology
Immunology
<http://mic.sgmjournals.org/>

7. Facilities Required for Teaching and Learning

1. Slide projector
2. PowerPoint programs and data show
3. Other multimedia for case presentation and clinical skills
4. Audiovisual system in the operative theatre to be acquainted with common operations

Course Coordinator: Dr . Mamdoh Mohamed Esmat

Head of Department: Dr. Abeer Shenief

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specifications Medical statistics diploma degree in Otolaryngology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Master degree in Otolaryngology
2. Minor element of program.
3. Department offering the program: Otorhinolaryngology department
4. Department offering the course: community medicine department
5. Academic year / Level: First part.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic information

Title: medical statistics

Code: ENT 0524-100

Total hours:

Module	Lecture	Tutorial:	Practical	Credit
Medical statistics	15		30	2

B. Professional information

1. Overall Aims of Course:

To develop a post-graduate who will apply the knowledge and skills learned, and is able to take the responsibility of making study design, collect, code, analyze and interpret data

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and understanding:

By the end of the course, the Pediatrics post-graduate is expected to be able to:

- a1. Describe the mutual influence between professional practice and its impacts on the environment
- a2. List the basics and ethics of scientific research
- a3. Mention the principles and fundamentals of quality assurance of professional practice in the field of Otolaryngology

b) Intellectual Skills

By the end of the course, the student is expected to be allowed to:

- b1. Conduct a research study and or writing a scientific study on a research problem.
- b2. Analyze researches and issues related to the Otolaryngology.

c) Professional and Practical Skills:

- c1. Write and evaluate medical reports.

d) General and Transferable Skills:

- d1. Use different sources to obtain information and knowledge.

3. Contents

Topic	No of hours	Lecture	Practical
Methodology & statistics	3	1	2
Terminology and rationale	3	1	2
Data collection	3	1	2
Types of Data	3	1	2
Tabulation of data	3	1	2
Graphical presentation of data	3	1	2
Measures of central tendency	3	1	2
Measures of dispersion	3	1	2
Normal distribution curves	3	1	2
Basics of Screening	3	1	2
International death certificate	3	1	2
Study design:	3	1	2
Cross sectional study and the prevalence rate	1.5	1/2	1
Cohort study, incidence rate, relative & attributable risk	1.5	1/2	1
Case-control study, Odd's ratio	1.5	1/2	1
Sampling	1.5	1/2	1
Investigation of an epidemic, the attack rates	1.5	1/2	1
Total	45	15	30
	2	1	1

4. Teaching and Learning Methods

4.1- Lectures.

4.2- Attending and participating in scientific conferences, workshop.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

Assessment 1.... Final written exam.... Week 23

Assessment 2.....Final oral exam..... Week.24

Weighting of Assessments

Final-term examination 50%

Oral examination 50%

Total 100%

6. List of References:

6.1- Course Notes

Department notes, lectures and handouts

6.2- Essential Books (Text Books)

Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.3- Recommended Books

1- Dimensions of Community Health, Boston Burr Ridge Dubuque.

2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.

3- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.

6.4- Periodicals, Web Sites, etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

7. Facilities Required for Teaching and Learning

- Adequate conditioned space for staff and assistants.
- Adequate conditioned teaching facilities.
- Audiovisual Aids: Data show, overhead and slide projectors and their requirements

Course coordinator: Dr/Ahmed Fathy Hamed

Head of department: Prof/Eman Abd El-Baset Mohammed

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specifications of Otorhinolaryngology in diploma degree in Otorhinolaryngology

Sohag University

Faculty of Medicine

1. Program on which the course is given: diploma degree in Otolaryngology
2. Major element of program.
3. Department offering the program: Otorhinolaryngology department
4. Department offering the course Otorhinolaryngology department
5. Academic year / Level /second part.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of Otolaryngology in diploma degree in Otolaryngology

Code: OTO 0524-100

Title	Lecture	Surgical	Clinical	Total credit
Otolaryngology	90	-----	90	9

B. Professional Information

1. Overall Aims of Course:

The aim of this program is to provide the candidate with the basic knowledge and skills essential for the practice of otolaryngology and necessary for further training and practice in the field of otolaryngology including: Doctorate degree through providing:

1. Scientific knowledge essential for the practice of otolaryngology .
2. Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision making skills.
3. Sound ethical principles related to medical practice in general and with special concentration on otolaryngology practice.
4. Active participation in community needs assessment and problems identification.
5. 5-Developing learning abilities necessary for continuous medical education.

2. Intended learning outcomes (ILOs)

a) Knowledge and understanding

By the end of the program, the student is expected to be able to

- a1. Mention the natural history of Otolaryngology diseases.
- a2. Enumerate the causation of Otolaryngology diseases
- a3. Enumerate Methods of **Otolaryngology** health and preventing their illness.
- a4. List the clinical picture and differential diagnosis of Otolaryngology illnesses.
- a5. Describe the various therapeutic methods/alternatives used for Otolaryngology diseases
- a6. Describe the principles and fundamentals of quality assurance of professional practice in the field of Otolaryngology

b) Intellectual skills

By the end of the program, the student is expected to be able to:

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for Otolaryngology problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for Otolaryngology problems.
- b3. Assess risk in professional practices in the field of Otolaryngology.
- b4. Make professional decisions making in the light of the available data..

c) Professional and practical skills

By the end of the program, the student is expected to be able to:

- c1. Master the basic and modern professional skills in the area of Otolaryngology.
- c2. Assess methods and tools existing in the area of Otolaryngology.

d) General and transferable skills

By the end of the program, the student is expected to be able to:

- d1. Communicate effectively by all types of effective communication.
- d2. Assess himself and identify his personal needs.
- d3. Work coherently and successfully as a part of a team and team's leadership.
- d4. Develop rules and indicators for assessing the performance of others
- d5. Work coherently and successfully as a part of a team and team's leadership.
- d6. Develop rules and indicators for assessing the performance of others.
- d7. Learn himself continuously.

3. Contents

Topic	No. of hours/year	Lecture	Tutorial / Practical
The course	435	225	210
The Ear	130 hours	55	60
1- Anatomy, physiology of hearing-equilibrium. Examination and investigations.		10	
2- Diseases of external ear: congenital, wax, foreign bodies, trauma and infections.		5	
3- Diseases of middle ear: - Congenital anomalies, trauma - Acute, chronic suppurative and non-suppurative OM and complications. - Otosclerosis - Tumors		15	
4- Diseases of inner ear: - Meniere's syndrome, labyrinthitis, acoustic neuroma - Ototoxicity - Vestibular and balance disorders		5	
5- Audiology: - Types of hearing loss in adults and children - Assessment of hearing - Management of deafness including hearing aids and cochlear implants		7	
6- Symptoms and signs of ear diseases - Deafness - Tinnitus - Vertigo - Pain		7	

- Facial nerve paralysis – Discharge			
7- Principles and details of some operations: - Myringotomy - Simple mastoidectomy - Radical mastoidectomy - Stapedectomy		6	
The Nose and Paranasal sinuses	80 hours	40	40
1- Anatomy, physiology, examination and investigations including endoscopy.		4	
2- Symptoms and signs of nasal diseases: - Nasal discharge - CSF rhinorrhoea - Nasal obstruction - Headache - Smell disorders - Snoring, sleep apnea - Epistaxis		7	
3- Congenital malformations, foreign bodies ,nasal and facial trauma.		4	
4- Acute and chronic inflammations of the nose.		5	
5- Allergy and nasal polypi.		4	
6- Diseases of nasal septum.		4	
7- Acute and chronic sinusitis and complications.		10	
8- Cysts and tumors of nose, PNS.		4	
9- Principles and details of some operations: - INA - Radical antrum operation - Septal surgery - FESS		4	
The Mouth and Pharynx		70 hours	
1- Anatomy, physiology, examination and investigations.	8		
2- Diseases of nasopharynx: - Adenoids - NP tumors	5		
3- Diseases of oropharynx: - Inflammations - Oropharyngeal ulcerations - Tumors	12		
4- Suppuration of the spaces related to pharynx	5		
5- Diseases of hypopharynx: - Inflammations - Hypopharyngeal pouch - Tumors	5		
6- Principles and details of some operations: - Tonsillectomy - Adenoidectomy, pharyngeal endoscopies	5		
The Larynx	70 hours	40	30
1- Anatomy, physiology, examination and investigations including endoscopy.		5	
2- Congenital anomalies, trauma to larynx		5	
3- Acute and chronic inflammations of the larynx		5	

4- Neurological disorders of the larynx		5	
5- Benign and malignant tumors of larynx		5	
6- Symptoms of laryngeal diseases: - Hoarseness of voice - Stridor - Pain, cough, expectoration		5	
7- Principles and details of some laryngeal operations:		5	
8- Principles of phoniatrics: - Voice induced disorders (MAP lesions)		5	
The esophagus		20	
1- Anatomy, physiology, investigations including esophagoscopy.	40 hours	10	20
2- Dysphagia: causes, management, including: - Corrosive swallow - FB swallowing - Achalasia - Tumors		10	
The trachea and bronchi		20	
1- Anatomy, physiology, investigations including bronchoscopy.	40 hours	5	20
2- FB inhalation		8	
3- Tracheostomy		7	
Diseases and tumors of Salivary glands	20	10	10
Credit	22	15	7

4. Teaching and Learning Methods:

- 4.1-Lectures
- 4.2- Seminars
- 4.3-Outpatient clinic demonstration and explanation.
- 4.4-Attending in the operative theatre and perform the common operations under supervision ranging from strict direct supervision until indirect supervision.
- 4.5-Demonstration and explanation of different cases in clinical rounds.

5. Student Assessment Method

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2- Log book	- General transferable skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment Schedule:

Final written exam	week 46
Final oral exam	week 48
OSCE	week 48

Weighting of assessment

Final written exam	50%
Final oral exam	30%
OSCE	20%

6. List of References**6.1- Course Notes**

Handouts of Lectures and clinical seminars.

6.2- Essential Books (Text Books)

Scott-Brown's Otolaryngology

6.3- Recommended Books

Logan Turner's Diseases of the Nose, Throat and Ear

6.4- Periodicals, Web Sites, ... etc

Journal of Laryngology and Otology,

Laryngoscope

Achieves of otolaryngology-Head& Neck Surgery,

Clinical Otolaryngology

7. Facilities Required for Teaching and Learning

- Slide projector
- PowerPoint programs and data show
- Other multimedia for case presentation and clinical skills
- Audiovisual system in the operative theatre to be acquainted with common operations

Course Coordinator: Dr. Ramadan Hashem Sayed.

Head of Department: Prof. Mohamed Abdel-Kader Ahmad

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013