



إعتماد توصيف مقررات برنامج الدبلوم فى طب الأطفال

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمى لدرجة الدبلوم فى طب

الأطفال 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 of Diploma Degree of Paediatrics

Sohag University

Faculty of Medicine

A. Basic Information

1. Program Title: Diploma of Pediatrics,(child health)
2. Program Type: Single
3. Faculty: Faculty of Medicine
4. Department: Pediatrics
5. Assistant coordinator: Mohamed Hassan Ahmed
6. Coordinator: Dr. Alzahraa Elsayed Ahmed Sharaf
7. External Evaluator: Prof. Asmaa Hammed Shourete (professor of pediatrics, Assiut 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 with the basic Pediatric knowledge and skills essential for the practice of Pediatric specialty and necessary for further training and practice in the field of Pediatrics through providing:

1. Scientific knowledge essential for the practice of pediatrics according to the international standards.
2. Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision making skills.
3. Sound ethical principles related to pediatric practice.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of abilities necessary for continuous medical education.

2. Attributes of the post graduate:

1. Application of the specific knowledge gained during practice of Child Health.
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 Child Health.
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. Program Intended Learning Outcomes (ILOs)

a) Knowledge and Understanding:

By the end of the program, the student is expected to gain the knowledge and understanding of:

- a1. Describe normal growth and development of infants and children.
- a2. Describe ways of nutrition and the nutritional requirements of infants and children.
- a3. Mention causes, symptoms & signs, and describe complications of malnutrition.
- a4. Explain the common genetic diseases and ways of their diagnosis.
- a5. Define and describe the concepts of genetic counseling.
- a6. Mention methods of promoting health and preventing illness in the local environment.
- a7. Mention causes, symptoms, signs and complications of common pediatric diseases.
- a8. Define and list various diagnostic tests of common pediatric diseases.
- a9. Write, say and describe treatment of common pediatric diseases.
- a10. Illustrate the ways of resuscitation of neonates, infants and children .
- a11. Mention basic principles of epidemiology and medical biostatistics .
- a12. Mention Ethical and legal principles of professional practice in the field of pediatrics.
- a13. Mention The principles and fundamentals of quality of professional practice in the field of pediatrics.
- a14. Mention The effect of professional practice on the environment and the methods of environmental development and maintenance.

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 pediatric problems .
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for pediatric problems.
- b3. Analyze researches and issues related to pediatrics.
- b4. Assess Risk in professional practices in the field of pediatrics.
- b5. Identify different pediatric problems and find solutions for them.

c) Professional and Practical Skills

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

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

d) General and Transferable Skills

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

- d1. Communicate effectively by different types of effective communication .
- d2. Use appropriate computer program packages and the internet to serve development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.

- d5. Work in a team and time management.
- d6. Lead team in familiar professional contexts.
- d7. Maintain Continuous self-learning.

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 revised by external evaluator, and 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 year)

5.b- Program structure

Course title	Number of hours / week		
	Lectures	Practical	Clinical
<u>First part :</u>			
Genetics	1	----	----
Nutrition & Growth and development	4	----	2
Biostatistics and Clinical Epidemiology	1	----	----
<u>Second part :</u>			
Pediatrics	4	----	4
Neonatology	2	----	2

code	Item	No	%	
b.i	Total credit hours	Compulsory	43	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	7	12.3	
b.iv	credit hours of courses of social sciences and humanities	0	0	
b.v	credit hours of specialized courses:	28	65.1	
b.vi	credit hours of other course	8	18.6	
b.viii	Program Levels (in credit-hours system):			
	Level 1: 1 st part	15	34.9	
	Level 2: 2 nd Part	28	65.1	

6. Program Courses * 5 courses are compulsory

6.1- Level of Program

First part :

A. Compulsory:

Course title	Total number of hours	Number of hours / week			Program ILOs covered (by No)
		Lecture	Practical	Clinical	
Nutrition & growth and development	6	4	----	2	a1,a2,a3, b1,b2,b4,b5,c1,c2,c3,d1,d2,d3,d4, d5,d6,d7
Genetics	1	1	----	----	a4,a5, b1,b2,b4,b5,c1,c2,c3,d1,d2,d3,d4, d5,d6,d7
Epidemiology and Medical biostatistics	1	1	----	----	a6,a11,b1,b4,c3,d1,d2, d3,d4

B- Elective – number required:

No elective course in the pediatric Master course program

C- Optional – number required:

No optional course in the pediatric Master course program

Second part

A. Compulsory:

Course title	Total number of hours	Number of hours / week			Program ILOs covered (by No)
		Lecture	Practical	Clinical	
Pediatrics	8	4		4	a7,a8,a9,a12,a13,a14,b1, b2,b3,b4,b5,c1,c2,c3, d1,d2,d3,d4,d5, d6,d7
Neonatology	4	2		2	a10b1,b2,b3,b4,b5,c1,c2, c3, d1,d2,d3,d4,d5, d6,d7

B- Elective – number required:

No elective course in the pediatric Master course program

C- Optional – number required:

No optional course in the pediatric Master course program

7. Program Admission Requirements

I. General Requirements:

- Candidates should have either:
 1. M.B.B.Ch Degree from any Egyptian Faculty of Medicine
 - or
 2. Equivalent Degree from Medical Schools abroad approved by the Ministry of Higher Education.
- Candidate should complete the house office training year.
- Follow postgraduate regulatory rules of Sohag Faculty of Medicine.

8. Regulations for Progression and Program Completion

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

First Part: (≥6 months=1 semester):

- Program-related basic science Courses and some pediatric courses.
- 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 semesters):

- Program related specialized science pediatric Courses.
- After passing at least :
 - 12 months training in the department of Pediatrics.
- The student should pass the first part before asking for examination in 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% in each curriculum is needed (with at least 60% of the written exam and 50% of oral and clinical exam).

9. Methods of Student Assessments:

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-OSPE	-Practical skills, intellectual skills
5-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment schedule:

Part I:

- Nutrition & growth and development and Genetics: Two written Exams (3 hours for each)
- Biostatistics : Written Exam (2 hours) + Structured oral Exam+ OSPE

Part II:

- Pediatrics: Two Written Exams (3 hours for each) + OSCE + Structured oral Exam.

10. Evaluation of Program Intended Learning Outcomes

Evaluator	Tool	Sample
1- Senior students	Questionnaire	25
2- Alumni	Questionnaire	15
3- Stakeholders (Employers)	Questionnaire	60
4-External Evaluator(s) (External Examiner(s))	Report	1
5- Other		

Course Specifications of Genetics and Biostatistics and Clinical Epidemiology for Diploma in Paediatrics

Sohag University

Faculty of Medicine

1. Program Title: Diploma in Pediatrics
2. Minor/major element of the program: minor
3. Department offering the program: Pediatric department
4. Department offering the course: Pediatrics Department and Public health and 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: Genetics for diploma in Paediatrics

Code: PED 0526-100

Total hours:

Module	Lectures	Practical	Tutorial/ clinical
Nutrition& growth and development	60 hours		30 hours
Genetics	15 hours		
Biostatistics and Clinical Epidemiology	15 hours		

B. Professional Information

1. Course Aims:

Nutrition& growth and development

The aim of this program is to provide the postgraduate with the basic growth and development , and childhood nutrition knowledge and skills essential for the practice of Pediatric specialty and necessary for further training and practice in the field of Pediatrics .

Genetic Module

The aim of this program is to provide the postgraduate with the basic genetic knowledge and skills essential for the practice of Pediatric specialty and necessary for further training and practice in the field of Pediatrics .

Biostatistics and Clinical Epidemiology Module

The aim of this course is to provide the student with the basic biostatistical and epidemiological knowledge and skills essential for the practice of Pediatric specialty and necessary to participate in community needs assessment and problems solving .

2. Intended Learning Outcomes of Course (ILOs)

Nutrition& growth and development

a) Knowledge and Understanding:

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

- a1. Describe normal growth and development of infants and children.
- a2. Describe ways of nutrition and the nutritional requirements of infants and children.
- a3. Mention causes, symptoms & signs, and describe complications of malnutrition.

b) Intellectual Skills

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for pediatric problems.
- b3. Assess Risk in professional practices in the field of pediatrics.
- b4. Identify different pediatric problems and find solutions for them.

c) Professional and Practical Skills:

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

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

d) General and Transferable Skills:

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

- d1. Communicate effectively by different types of effective communication
- d2. Use appropriate computer program packages and the internet to serve development of professional practice.
- d3. Assess himself/herself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and time management.
- d6. Lead team in familiar professional contexts.
- d7. Maintain Continuous self-learning.

Genetic Module

a) Knowledge and understanding:

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

- a1. Explain the common genetic diseases and ways of their diagnosis.
- a2. Define and describe the concepts of genetic counseling.

b) Intellectual Skills

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems .
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for pediatric problems.
- b3. Assess Risk in professional practices in the field of pediatrics.
- b4. Identify different pediatric problems and find solutions for them.

c) Professional and Practical Skills:

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

- c1. Apply professional skills in the field of pediatrics.
- c2. Write medical reports.

c3. Use appropriate technology in the field of pediatrics.

d) General and Transferable Skills:

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

- d1. Communicate effectively by different types of effective communication.
- d2. Use appropriate computer program packages and the internet to serve development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and time management.
- d6. Lead team in familiar professional contexts.
- d7. Maintain Continuous self-learning.

Biostatistics and Clinical Epidemiology Module

a) Knowledge and Understanding:

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

- a1. Mention methods of promoting health and preventing illness in the local environment
- a2. Mention basic principles of epidemiology and medical biostatistics, by being able to:
 1. Define the sources of data and methods of collection for vital statistics
 2. Describe five sampling techniques and list at least three advantages of sampling
 3. Summarize data, construct tables and graphs
 4. Know measures of central tendency and measures of dispersion
 5. Describe the normal curves and its uses
 6. Understand selected tests of significance and the inferences obtained from such tests
 7. List screening tests.
 8. Identify the types of study design and selection of suitable design for each subject.
 9. Appraise the importance of screening and medical statistics.
 10. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests
 11. List at least four types of study designs
 12. Describe the study design, uses, and limitations
 13. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values
 14. Describe the public health surveillance system

b) Intellectual Skills

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

- b1. Interpret data acquired through statistical analysis.
- b2. Assess Risk in professional practices in the field of pediatrics.

c) Professional and Practical Skills:

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

- c1. Use appropriate technology in statistics.

d) General and Transferable Skills:

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

- d1. Communicate effectively by different types of effective communication.
- d2. Use appropriate computer program packages and the internet to serve the development of professional practice

- d3. Assess himself/herself and identify his personal learning needs.
d4. Use of different sources for information and knowledge.

3. Contents

Nutrition& growth and development

Subject	Total number of hours	Lectures	Practical
Nutrition:			
-Nutritional requirements	4	4	----
-Breast & formula feeding	4	4	----
-Weaning	10	4	6
-Protein energy malnutrition	18	6	12
-Childhood obesity	10	4	6
-Vitamins in health and diseases	10	4	6
-Food allergy	10	4	6
Growth and development:			
-Importance of studying growth and development	3	3	----
-Assessment of growth	9	3	6
-Normal growth	9	3	6
-Growth charts	9	3	6
-Abnormal growth	9	3	6
-Developmental milestones	9	3	6
-Fields of development	9	3	6
-Developmental assessment	9	3	6
-Normal development	9	3	6
-Delayed development	9	3	6
Total	150	60	90
Credit	7	4	3

Genetic Module

subject	Total number of hours	lectures	clinical
- Introduction to human genetics	3	3	
- Structure of chromosome	9	9	
- Chromosomal abnormalities	9	9	
- Gene abnormalities	9	9	
- Methods of genetic diagnosis	8	8	
- Gene therapy	2	2	
- Antenatal diagnosis of genetic disease	6	6	
Total	45	45	
Credit	3	3	

Biostatistics and Clinical Epidemiology Module

Topic	No. of hours	Lecture	Tutorial/ Practical
MCH, infant and child mortality, Expanded program for immunization (EPI), Integrated management of childhood illness strategy, Population problems in Egypt, School health, Acute respiratory infections (ARI), Respiratory infections Diarrhoeal diseases, control and prevention Infectious diseases of childhood Health education, Promotion of food supply and proper nutrition and Risk approach in child care.	7	7	
Epidemiology and risk factors of non- communicable diseases Rheumatic heart diseases Diabetes Mellitus Cancer in childhood Metabolic, congenital and inherited diseases.	3	3	
Methodology & statistics Terminology and rationale Data collection Types of Data Tabulation of data Graphical presentation of data			

Measures of central tendency Measures of dispersion Normal distribution curves International classification of diseases International death certificate Study design: Cross sectional study and the prevalence rate Cohort study, incidence rate, relative & attributable risk Case-control study, Odd's ratio Sampling Investigation of an epidemic, the attack rates	5	5	
Total	15	15	
Credit	1	1	

4. **Teaching Methods:**

4.1. Lectures

4.2. Attending and participating in scientific conferences, workshops and thesis discussions. (To acquire the general and transferable skills)

5. **Methods of Students Assessment:**

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

Assessment Schedule

Assessment 1	Research assignments	Week: 16 - 20
Assessment 2	Final written exam	Week: 22 - 24
Assessment 3	Final Structured Oral Exam	Week: 22 – 24

Weighting of Assessments

Assessment 1	Research assignments	Formative-only	
Assessment 2	Final written exam		50 %
Assessment 3	Final OSCE		30%
Assessment 4	Final Structured Oral Exam		20%
Total			100 %

6. **List of References**

Nutrition& growth and development

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

1- Nelson essential of pediatrics, 2010

2- Current diagnosis and treatment of pediatrics , 2008

6.3- Recommended Books

- 1- Nelson textbook of pediatrics, 2008
- 2 – Forfar textbook of pediatrics, 2010

6.4- Periodicals, Web Sites, ... etc

- American journal of pediatrics
- Archives of diseases of childhood
- New England journal of medicine

Websites :

- www.pediatrics.com
- www.pediatriceducation.com
- www.ncbi.nlm.gov

Genetic Module

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

- 1- Nelson essential of pediatrics, 2010
- 2- Current diagnosis and treatment of pediatrics, 2008

6.3- Recommended Books

- 1- Nelson textbook of pediatrics, 2008
- 2 – Forfar textbook of pediatrics, 2010

6.4- Periodicals, Web Sites, ... etc

- American journal of pediatrics
- Archives of diseases of childhood
- New England journal of medicine

Websites :

- www.pediatrics.com
- www.pediatriceducation.com
- www.ncbi.nlm.gov

Biostatistics and Clinical Epidemiology Module

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

- 1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.2007

6.3- Recommended Books

- 1- Dimensions of Community Health, Boston Burr Ridge Dubuque.2007
- 2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.2010
- 3- Epidemiology in medical practice,2002, 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

1- Adequate infrastructure: Including teaching places, comfortable desks, good source of aeration, bathrooms, good illumination, safety and security tools.

2- Teaching tools: Including screens, computers, data show, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printer.

Course coordinator:

Nutrition& growth and development: Dr. Ismail Abd Elaleem

Genetic Module: Dr. Ismail Abd Elaleem

Biostatistics Module: Dr/ Ahmed Fathy Hammed

Head of the Department:

Nutrition& growth and development: Dr. Mohammed Abd Elaal

Genetic Module: Dr. Mohammed Abd Elaal

Biostatistics Module: Prof/Eman Abd El-Baset Mohammed

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

Course Specification of Biostatistics in Diploma Degree of Pediatrics

Sohag University

Faculty of Medicine

1. Program on which the course is given: Diploma Degree of Pediatrics
2. Major or minor element of program: minor
3. Department offering the program: Pediatrics
4. Department offering the course: public Health and 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

Program title Course Specification of medical Biostatistics in Diploma degree in Pediatrics

Code: COM 0526-100

Course	Lectures	Practical:	Total:	Total credit hours
Medical Biostatistics	15 hrs	30	45	2 hrs

B. Professional Information

1. Overall Aims of Course

To develop a graduate who will apply the knowledge and skills learned, and is able to utilize the basics of medical statistics in his career and research

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 is expected to practice the following:

- a1. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests
- a2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values Define terms of research methodology

b) Intellectual Skills

By the end of the course, the student is expected to practice the following:

- b1. Identify and collect data variables impacting health and disease
- b2. Assess risk in professional practices in the field of Chest Diseases and Tuberculosis.
- b3. Analyze research and issues related to the Chest Diseases and Tuberculosis

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

- c1. Perform community diagnosis

- c2. Conduct Social & Health Surveys
- c3. Diagnose an epidemic

d) General and Transferable Skills

By the end of the course, the student is expected to practice the following:

- d1. Use different sources to obtain information and knowledge.
- d2. Work coherently and successfully as a part of a team and team's leadership.
- d3. Use different sources to obtain information and knowledge and collect data

3. Course Contents:

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

4. Teaching and Learning Methods:

- 4.1. Lectures.
- 4.2 practical sessions
- 4.3- Computer search assignments

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
5.4 Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1. Written examination	24week
Assessment 2. Structured Oral Exam	24week
Assessment 3. Attendance and absenteeism	

Weighting of Assessments

Final-term Written Examination	50 %
Structured Oral Examination	50 %
Total	100%

Formative only assessments: attendance and absenteeism and Computer search assignments

6. List of References

6.1- Course Notes

Lecture notes prepared by staff members in the department

Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo, 2003

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

1-Adequate infrastructure: including teaching places (teaching class), comfortable desks, good source of aeration, bathrooms, good illumination and safety and security

2-Teaching tools: including screens, computers data shows, projectors, flip charts, white board, video player, digital video camera, scanner, copier, color and laser printers

Course Coordinator: Dr. Ahmed Fathy Hammed

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

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

Course Specifications of Paediatrics & Neonatology for Diploma Degree in Paediatrics

Sohag University

Faculty of Medicine

1. Program Title: Diploma in Pediatrics
2. Minor/major element of the program: major
3. Department offering the program: Pediatric department
4. Department offering the course: Pediatrics 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: Paediatrics & Neonatology for diploma in Paediatrics

Code: PED0526-100

Total hours:

Module	Lectures	Practical	Tutorial/clinical	Total hours	Credit
Pediatrics	120 hours		150 hours	270 hours	13
Neonatology	60 hours		60 hours	120	8

B. Professional Information

1. Course Aims:

Pediatrics Module

The aim of this program is to provide the postgraduate with the basic genetic knowledge and skills essential for the practice of Pediatric specialty and necessary for further training and practice in the field of Pediatrics .

Neonatology Module

The aim of this program is to provide the postgraduate with the basic neonatology knowledge and skills essential for the practice of Pediatric specialty and necessary for further training and practice in the field of Pediatrics.

2. Intended Learning Outcomes of Course (ILOs)

Pediatrics Module

a) Knowledge and understanding:

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

- a1. Mention causes, symptoms, signs and complications of common pediatric diseases.
- a2. Define and list various diagnostic tests of common pediatric diseases.
- a3. Write, say and describe treatment of common pediatric diseases.
- a4. Illustrate the ways of resuscitation of neonates, infants and children .
- a5. Mention Ethical and legal principles of professional practice in the field of pediatrics.

- a6. Mention The principles and fundamentals of quality of professional practice in the field of pediatrics.
- a7. Mention The effect of professional practice on the environment and the methods of environmental development and maintenance.

b) Intellectual Skills

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for pediatric problems.
- b3. Analyze researches and issues related to pediatrics.
- b4. Assess Risk in professional practices in the field of pediatrics.
- b5. Identify different pediatric problems and find solutions for them.

c) Professional and Practical Skills:

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

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

d) General and Transferable Skills:

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

- d1. Communicate effectively by different types of effective communication.
- d2. Use appropriate computer program packages and the internet to serve development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and time management.
- d6. Lead team in familiar professional contexts.
- d7. Maintain Continuous self-learning.

Neonatology Module

a) Knowledge and understanding:

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

- a1. Illustrate the ways of resuscitation of neonates and diagnosis and management of full-term and preterm babies

b) Intellectual Skills

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for pediatric problems.
- b3. Analyze researches and issues related to pediatrics.
- b4. Assess Risk in professional practices in the field of pediatrics.
- b5. Identify different pediatric problems and find solutions for them.

c) Professional and Practical Skills:

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

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

d) General and Transferable Skills:

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

- d1. d.1 Communicate effectively by different types of effective communication .

- d2. Use appropriate computer program packages and the internet to serve development of professional practice.
- d3. Assess himself/herself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and time management.
- d6. Lead team in familiar professional contexts.
- d7. Maintain Continuous self-learning.

3. Contents

Pediatrics Module

Topic	Total number of hours	Lecture	Practical
Pediatric emergency	14	6	8
Infectious diseases	20	10	10
Respiratory system	20	10	10
Cardiovascular system	20	10	10
Gastrointestinal system	14	6	8
Liver diseases	14	6	8
Urinary system	14	6	8
Blood	14	6	8
Tumors	14	6	8
Endocrinal system	14	6	8
Metabolic disorders	14	6	8
Nervous system	14	6	8
Immunological, allergic and rheumatic disorders	14	6	8
Bones	14	6	8
Skin	14	6	8
Community problems in pediatric practice in Egypt	14	6	8
Ethical aspects in pediatric practice	14	6	8
Principles of continuous medical education	14	6	8
Total	270	120	150
Credit	13	8	5

Neonatology Module

subject	Total number of hours	lectures	clinical
- Maternal drugs and diseases affecting neonate	6	6	----
-Neonatal resuscitation	16	6	10
-Birth trauma	13	6	7
-Birth asphyxia	13	6	7
- Problems of prematurity	17	8	9

Respiratory diseases of - neonate	17	8	9
-Cardiovascular diseases of neonates	17	8	9
-Neonatal jaundice	15	6	9
-Neonatal sepsis	15	6	9
Neonatal convulsions-	15	6	9
-Dysmorphic neonate	17	5	12
- Ethical problems in neonates	4	4	---
Total	165	75	90
Credit	8	5	3

4. Teaching methods:

4.1. Lectures

4.2. Clinical lessons

4.3. Attending and participating in scientific conferences, workshops and thesis discussions. (To acquire the general and transferable skills)

5. Methods of Students assessment:

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
5.4-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment Schedule

Assessment 1	Final written exam	Week: 48 - 50
Assessment 2	Final OSCE	Week: 48 - 50
Assessment 3	Final Structured Oral Exam	Week: 48 - 50

Weighting of Assessments

Assessment 1	Final written exam	50 %
Assessment 2	Final OSCE	30%
Assessment 3	Final Structured Oral Exam	20%

Total 100 %

6. List of References

Pediatrics Module

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

- 1- Nelson essential of pediatrics, 2010
- 2- Current diagnosis and treatment of pediatrics , 2008

6.3- Recommended Books

- 1- Nelson textbook of pediatrics , 2008
- 2 – Forfar textbook of pediatrics , 2010

6.4- Periodicals, Web Sites, ... etc

American journal of pediatrics
Archives of diseases of childhood
New England journal of medicine

Websites :

www.pediatrics.com
www.pediatriceducation.com
www.ncbi.nlm.gov

Neonatology Module

6.1- Course Notes

Lecture notes prepared by the staff members in the department

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6.3- Recommended Books

- 1- Nelson textbook of pediatrics , 2008
- 2 – Forfar textbook of pediatrics , 2010

6.4- Periodicals, Web Sites, ... etc

American journal of pediatrics
Archives of diseases of childhood
New England journal of medicine

Websites :

www.pediatrics.com
www.pediatriceducation.com
www.ncbi.nlm.gov

7. Facilities Required for Teaching and Learning

- a. **Adequate infrastructure:** Including teaching places, comfortable desks, good source of aeration, bathrooms, good illumination, safety and security tools.
- b. **Teaching tools:** Including screens, computers, data show, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printer.

Course coordinator: Dr. Ismail Abd elaleem

Head of the Department: Dr. Mohammed Abd Elaal

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