



Model (No 12)
Course Specification: **Dental Public Health** (2016-2017)

Faculty of Dentistry
Farabi Quality Management of Education and Learning - 17/3/2016

University: Mansoura University

Faculty: Faculty of Dentistry

Department: Pediatric Dentistry and Dental Public Health

1- Course data: -

Code: 404 PU, 504 PU	Course name:Dental Public Health	Study year: 3 rd and 4 th year	
Specialization:	Bachelor of Dentistry		
Teaching Hours:			
	Lecture:	Tutorial:	Practical:
	1 hour/week	0 hour	1 hour /week
Number of units:	47		47

2- Course aims: -

1. Develop effective ethical, professional and medico-legal conduct.
2. Provide community and individual oral care in a safe and infection controlled conditions.
3. Acquire skills about the basic epidemiologic methods.
4. Develop knowledge about the research methods.
5. Acquire skills in collection and evaluation of evidence.
6. Acquire knowledge about the occupational related oral diseases.
7. Develop skills of disease prevention.

3- Intended learning outcomes of course (ILOS): -

a- Knowledge and understanding

1. (a.1) Identify the difference between the public and private sectors.
2. (a.2) Identify the prevalence of the common oral and dental diseases on community basis.
3. (a.3) Describe the basic methods for sterilization and disinfection in dental clinics.
4. (a.4) Point out the significance of oral health promotion, nutrition and education in groups and communities.
5. (a.5) Describe the principles of biostatistics.
6. (a.6) Discuss the ethical and legal considerations in the dental field.
7. (a.7) Identify methods of dental caries and periodontal diseases prevention.
8. (a.8) Establish the basic methods for scientific research.
9. (a.9) Point out the principles of evidence based dentistry.

-
10. (a.10) Describe the risk factors of diseases.
 11. (a.11) Identify methods of measuring gingival and periodontal diseases.
 12. (a.12) Discuss the factors affecting the need and utilization of dental services.
 13. (a.13) Establish the basis for long term stable treatment and practice management.
 14. (a.14) Discuss the diseases that occur as a result to some occupations

b- Intellectual skills :

1. (b.1) Assess the level of oral hygiene using indices.
2. (b.2) Differentiate between the various indices.
3. (b.3) Calculate the caries experience of the patients.
4. (b.4) Compare between different disinfectants.
5. (b.5) Differentiate between the various epidemiologic methods.
6. (b.6) Assess the risk factors of dental caries.
7. (b.7) Interpret the different ethical dilemmas.
8. (b.8) Evaluate the different methods and aids of health education.
9. (b.9) Assess the patients risk for dental caries, periodontal diseases, and other oral conditions.
10. (b.10) Compare between different indices.
11. (b.11) Differentiate between the various researches methods.
12. (b.12) Differentiate between the effects of various fluoride products.
13. (b.13) Assess the preventive methods.
14. (b.14) Differentiate between the brushing techniques, in addition to the various chemical agents for plaque control.

c- Professional and practical skills:

1. (c.1) Apply infection control measures.
2. (c.2) Perform health education for individuals and groups.
3. (c.3) Practice nutritional counseling.
4. (c.4) Diagnose dental risk factors.
5. (c.5) Apply plaque and caries indices.
6. (c.6) Conduct a research paper.
7. (c.7) Apply the different preventive agents.
8. (c.8) Measure the gingival and periodontal diseases.

d- General and transferable skills

1. (d.1) Display appropriate communication with the patients and colleagues.
2. (d.2) Utilize the available sources for continuous and life- long learning.
3. (d.3) Make decisions on sound ethical and professional basis.
4. (d.1) Display appropriate communication with the patients and colleagues.
5. (d.5) Make decisions based on sound ethical principles.
6. (d.6) Recognize the basic concept of quality assurance and practice management.

4- Course contents: - for 3rd year

No	Topics	Week
1	Introduction to Dental Public health	1 st week

2	Infection control	2 nd ,3 rd ,4 th and 5 th
3	Ethics in dentistry	6 th ,7 th and 8 th
4	Introduction to epidemiology	9 th w
5	Types of epidemiologic studies	10 th w
6	Sampling	11 th
7	Biostatistics	12 th , 13 th
8	Dental plaque and Plaque indices	14 th
9	Caries indices	15 th
10	Risk factors of dental caries	16 th , 17 th
11	Dental health education	18 th , 19 th
12	Risk factors and prevention of Oral cancer	20 th
13	Nutrition and oral diseases	21 th ,22 th

For 4th year

No	Topics	Week
1	Introduction to the course and revision on epidemiologic studies	1 st
2	Research methodology	2 nd ,3 rd
3	Evidence based dentistry	4 th ,5 th
4	Need, demand and utilization of dental services	6 th
5	Gingival and periodontal indices	7 th ,8 th ,9 th
6	Gingival and periodontal indices	19 th ,11 th
7	Chemical and mechanical plaque control	12 th ,13 th
8	Caries activity tests	14 th
9	Caries risk assessment	1
10	Fluoride in dentistry	15 th ,16 th ,17 th
11	Prevention of dental caries	18 th ,19 th
12	Occupational hazards	20 th ,21 th
13	Ergonomics	22 th ,23 th

14	Practice management	24th
15	Fluorosis indices	25 th

5- Teaching and learning methods:-

S	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Lectures	√	√		
2	practical		√	√	√

6- Teaching and learning methods of disables :-

Not available.

7- Activities and sources of teaching and learning :-

S	Activities and resources	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Practical requirements Scientific researches	√	√		√
2	Seminars	√	√		√

Sources:

Text book

Faculty library

8- Student assessment :-

3rd year

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Final written exam	√	√		
2	Final oral exam	√	√		√

a- Student assessment methods

4th year

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	MCQ Requirements	√	√		
2	Final written exam	√	√		
3	Final practical exam		√	√	√
4	Final oral exam	√	√		√

b- Assessment schedule

3rd year

No	Method	duration	Week
----	--------	----------	------

1	Final written exam	2 hours	After 25 weeks
2	Final oral exam	10-15 minutes	After 25 weeks
No	Method(4th year)	Duration	Week
1	Ongoing assessment	30 minutes	After 16 weeks
2	Practical exam	30 minutes	After 30 weeks
3	Final written exam	3 hours	After 30 weeks

c- Weighting of assessments

No	Method(3 rd year)	marks	Weight
1	Final written exam	12	60%
2	Final oral exam	8	40%
No	Method(4 th year)	Marks	Weight
1	Semester work exam	10	10%
2	Practical exam	25	25%
3	Written exam	50	50%
4	Oral exam	15	15%
5	Total	100	

9- List of references

3rd year

S	Item	Type
1	<ul style="list-style-type: none"> Community oral health, 2007. ISBN- 13: 9781850971627. 	Text book
2	<ul style="list-style-type: none"> Dental health education planning and implementation, 2007. ISBN- 10: 0-13-171738-3. 	Text book
3	<ul style="list-style-type: none"> Clinical epidemiology and biostatistics, 1992. ISBN: 977-269-033-0. 	Text book
4	Community oral health, 2007. ISBN- 13: 9781850971627	Text book
5	<ul style="list-style-type: none"> Dental health education planning and implementation, 2007. ISBN- 10: 0-13-171738-3. 	Text book
6	<ul style="list-style-type: none"> Nutrition, diet and oral health, 1999. ISBN: 0-19-262937 	Text book
7	www.healthforms.com	Electronic material
8	www.healthirus.gov	Electronic

10- Matrix of knowledge and skills of the course3rd year

S	Items	Details	Basic knowledge	Intellectual skills	Professional skills	General skills
1		Introduction to Dental Public health	a9	-	-	d2,d3,d5
		Infection control	a18	-	c18	d2,d3,d5
		Ethics in dentistry	a16	-	-	d2,d3,d5
		Introduction to Epidemiology	a9	-	-	d2,d3,d5
		Methods of epidemiology	a9	-	-	d2,d3,d5
		Sampling	a9	-	-	d2,d3,d5
		Biostatistics	a14	-	-	d2,d3,d5
		Dental plaque and Plaque indices	a9	b8	c5	d2,d3,d5
		Caries indices	a9	b8	c5	d2,d3,d5
		Risk factors of dental caries	a9	b8	c5	d2,d3,d5
		Dental health education	a10	-	c5	d2,d3,d5
		Risk factors and prevention of Oral cancer	a9	b8	c5	d2,d3,d5
		Nutrition and oral diseases	a10	-	c5	d2,d3,d5

4th year

S	Items	Details	Basic knowledge	Intellectual skills	Professional skills	General skills
1		Introduction to the course and revision on epidemiologic	a.14	-	-	d.3,5,6,7

	studies				
	Research methodology	a.14	-	-	d.3,5,6,7
	Evidence based dentistry	a.19	-	-	d.3,5,6,7
	Need, demand and utilization of dental services	a.9	-	-	d.3,5,6,7
	Gingival and periodontal indices	a.9	b.8	c.5	d.3,5,6,7
	Risk factors of periodontal diseases	a.9	b.8	c.5	d.3,5,6,7
	Chemical and mechanical plaque control	a.10	-	c.5	d.3,5,6,7
	Caries activity tests	a.10	-	c.5	d.3,5,6,7
	Caries risk assessment	a.10	b.8	c.5	d.3,5,6,7
	Fluoride in dentistry	a.10	-	c.5	d.3,5,6,7
	Prevention of dental caries	a.10	-	c.5	d.3,5,6,7
	Occupational hazards	a.9	-	-	d.3,5,6,7
	Ergonomics	a.9	-	-	d.3,5,6,7
	Practice management	a.17	-	-	d.3,5,6,7
	Fluorosis indices	a.9	b.8	-	d.3,5,6,7

Course Coordinator(s): - Assistant. Prof.: Salwa A. Hegazy
Dr/Rasha Elmaghraby

Head of department: - Prof. Salwa M. Awad