

**KING SAUD UNIVERSITY**  
**COLLAGE OF APPLIED MEDICAL SCIENCES**  
**DEPARTMENT OF Optometry and Vision Science**  
**OPTO 591 - 1<sup>st</sup> semester 2014/2015**  
**COURSE SYLLABUS**

**COURSE INFORMATION**

Course title    PUBLIC HEALTH OPTOMETRY AND PROFESIONAL ETHICS.

Course number    OPTO 591

Course Date    Tuesday 8 AM –11 AM.

Course Location    2<sup>nd</sup> floor, class no. 30.

**Instructors**    Dr. KholoudBokhary, PhD., MOptom. ([kbokhary@ksu.edu.sa](mailto:kbokhary@ksu.edu.sa))

Office Hours    (Monday 9-10, Thursday10-11 AM, office no. 227).

**COURSE DESCRIPTION:**

Introduction to the foundation and basic sciences of public health with an emphasis on the epidemiology of vision problems in the region, how to protect vision and ways to manage these problems .It also aims to study Professional Ethics and Ethics of human and animal research.

## COURSE LEARNING OBJECTIVE:

By the end of this lecture, students will be able to:

- ☐- Define epidemiology correctly.
  - Identify the three components of epidemiology.
- ☐- Enumerate uses of epidemiology.
  - Discuss natural history of disease.
- Clarify importance of sources of epidemiological data.
- ☐- Discuss epidemiological variables in relation to frequency and distribution of diseases.

## Text Book:

Ethics and Public Health: Model Curriculum. Editors: Bruce Jennings, MA; Jeffrey Kahn; Anna Mastroianni, JD; Lisa S. Parker, 2003.

## Reference Material

(Journals, Reports, etc) (Attach List)

Recommended journals change with semester to reflect the latest research and the particular topic on which I have asked the students to research on.

## COURSE POLICIES:

- **Attendance:** Students are expected to attend each session AND be on time (3 times late = absent). Therefore, regular attendance is critical for doing well in this course.
- **Ask** for explanation if you are confused (in class, office hours, e-mail).
- Please **DON'T** use your cell phones in classroom. Keep it silent, you'll be asked to leave the class if you are using your cell phone inappropriately.
- Use **blue pen** only in writing your assignments and exam answer sheet.
- **Conduct & Responsibilities:** It is the student's responsibility to maintain professional standards of behavior and attire while on campus and hospital. Students are expected to be prepared for instructional activities. They must bring required supplies/equipment and dress appropriately in accordance with instructor's directions. Failure to do so can result in the students being marked for absent for the class session. The dean will impose sanctions for unprofessional behavior. Any form of cheating, fraud, plagiarism, or unauthorized collaboration will result in failure of the course and referral to the dean for disciplinary sanctions.
- **Pons marks:** Only TWO marks will be given at the end of course as needed.

## **Assignments:(20 marks on each assignment )**

Each student picks her interested **TWO** topics from the following:

**1- Choose a recent public health problem and discuss the following:**

- Definition of the problem, (patho, physio, causes,....etc).
- The spread of the problem worldwide and regionally.
- The effect of the problem on the environment, population, and economics globally and regionally and why !!!
- How could be treated /overcome.
- How could be prevented / precautions
- The expected barriers you may face !!
- The teams should be involved in the study to prevent the Problem.
- From your opinion, write a paragraph about your recommendations and solutions to detect possible causes and appropriate management to reduce the condition in Saudi society.

<b>YOU SHOULD:</b>
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| <ul style="list-style-type: none"><li>1- Public health topic (1 mark).</li><li>2- Include at least 10 references (1 mark).</li><li>3- References should be recent scientific peer-reviewed papers (1 mark).</li><li>4- Essay (around 2000, Font size = 12, spacing =2.0) (1 mark)</li><li>5- <b>AVOID</b> plagiarism and correct the grammar (1 mark).</li><li>6- Oral presentation performed on the same day of assignment submission (due date: see the course plan). (5 marks)</li></ul> |
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**2- In the ophthalmic field, Low vision is considered as a public health dilemma. Write an essay about the low vision among school-age children in Saudi Arabia and discuss the following:**

- Definition of the problem, (patho, physio, causes,....etc).
- The spread of the problem worldwide and regionally.
- The effect of the problem on the environment, population, and economics globally and regionally and why !!!
- How could be treated /overcome.
- How could be prevented / precautions

- The expected barriers you may face !!
- The teams should be involved in the study to prevent the Problem.
- From your opinion, write a paragraph about your recommendations and solutions to detect possible causes and appropriate management to reduce the condition in Saudi society.

#### YOU SHOULD:

- 1- Public health topic (1 mark).
- 2- Include at least 10 references (1 mark).
- 3- References should be recent scientific peer-reviewed papers (1 mark).
- 4- Essay (around 2000, Font size = 12, spacing =2.0)
- 5- **AVOID** plagiarism and correct the grammar (1 mark).
- 6- Oral presentation performed on the same day of the submission (due date: see the course plan) (5 marks).

**3-Write an essay about vision-related quality of life on one of the eye disease in which you think it is a recent public health problem and discuss the following:**

- Definition of the problem, (patho, physio, causes,....etc).
- The spread of the problem worldwide and regionally.
- The effect of the problem on the environment, population, and economics globally and regionally and why !!!
- The assessment of quality of life in these patients.
- How can the problem effect on the patient's quality of life.
- The teams should be involved in the study to prevent the Problem.
- From your opinion, write a paragraph about your recommendations and solutions to detect possible causes and how to improve the vision-related quality of life among the affected patients in the Saudi society.

#### YOU SHOULD:

- 1- Public health topic (1 mark).
- 2- Include at least 10 references (1 mark).
- 3- References should be recent scientific peer-reviewed papers (1 mark).
- 4- Essay (around 2000, Font size = 12, spacing =2.0) (1 mark).

5- **AVOID** plagiarism and correct the grammar(1 mark).

6- Oral presentation performed on the same day of the submission (due date: see the course plan). (5 marks).

### Course Plan:

Topics	Week	Lecture
Introduction to public health optometry and professional ethics.	2-9-2014	1
Epidemiology.	9-9-2014	2
Public health	16-9-2014	3
National day holiday	23-9-2014	4
Health promotion and disease	14-10-2014	5
Assignment 1 + oral presentation	21-10-2014	6
Midterm Exam	28-10-2014	7
Special lecture and Practice (Academic Writing +critique power point presentation).	4-11-2014	8
Access and barriers to eye and health care (practice 1)	11-11-2014	9
Professional Ethics and Ethics of human and animal research (practice 2)	18-11-2014	10
Assignment 2 + oral presentation	25-11-2014	11
The role of WHO (practice 3)	2-12-2014	12
(practice 4)	9-12-2014	13
	16-12-2014	14

**Marks Distribution:**

- ☐ Midterm 20 marks.
- ☐ Assignments 40 marks (20 marks on each assignment including the oral presentation).
- ☐ Practices 1, 2, 3 & 4 (10 marks on each)

<b>Oral presentation: 1 mark on each of the following:</b>
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| <ul style="list-style-type: none"><li>- Power point arrangement slides.</li><li>- The knowledge.</li><li>- The presentation.</li><li>- Timing</li><li>- Discussion and questions.</li></ul> |
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**STATEMENT OF INTERNT TO COMPLY WITH CONTENT OF**

**KING SAUD UNIVERSITY**

**COLLAGE OF APPLIED MEDICAL SCIENCES**

**DEPARTMENT OF Optometry and Vision Science**

**COURSE SYLLABUS**

**OPTO 591- 1st semester 2014/2015**

I have received a copy of the OPTO 591 Course syllabus. I have read the syllabus and understand its contents and intend to comply with the contents of this syllabus. I understand that failure to comply with the contents of this syllabus and/or meet the course objectives as stated in this syllabus may result in failure of the course and dismissal from the program.

STUDENT'S NAME.....

STUDENT'S MOBILE NUMBER.....

STUDENT'S EMAIL.....

STUDENT'S SIGNATURE.....

DATE .....