**KING SAUD UNIVERSITY**

**COLLAGE OF APPLIED MEDICAL SCIENCES**

**DEPARTMENT OF Optometry and Vision Science**

**OPTO 498 - 2nd semester 2014/2015**

**COURSE SYLLABUS**

**COURSE INFORMATION**

**Course title:** Final Project (I)

**Course number:** OPTO 498

**Course Date:** Monday 10 AM –1 PM.

**Course Location:** 2nd floor, room 30.

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

**Office Hours** office no. 227.

Sunday 8-9 AM.

Monday 8-10 AM.

**COURSE DESCRIPTION:**

In this course the student selects what type of project he/she would like to pursue. Projects may be in form of literature reviews, laboratory studies, epidemiological studies, clinical studies or prospective/retrospective clinical case studies. After selecting the project type, a literature review follows. In the case of a literature review study, this review process constitutes this entire course but in all other cases, after the literature review, the student must then proceed with the study design, sample size determination and data collection. The student is expected to collect at least 60% of his/her data in this course. In the case of a literature review study 60% of the papers for the review must be read and analyzed in this course. For the entire duration of the semester, the student is required to meet with his/her supervisor to discuss the progress of the study. It is expected that parts of the project (such as the introduction and subjects and methods) will be written up in this course.

**COURSE LEARNING OBJECTIVE:**

By the end of this course the student should selects what type of project she would like to pursue. Student should also know how to do literature review and proceed with the study design, measuring sample size and data collection. Student is expected that parts of the project (such as the introduction and subjects and methods) will be written up in this course based on:

1. Literature review
2. Laboratory studies
3. Epidemiological studies
4. Clinical studies or prospective/retrospective clinical case studies
5. The study design
6. Sample size calculation and data collection

**Text Book:**

* + - 1. Research Methods in education by *Louis Cohen, Lawrence Manion and Keith Morrison.*
      2. How to Do Your Research Project: A Guide for Students in Education and Applied Social Sciences *by Gary Thomas*.

**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. Therefore no one list is adequately representative of all the semesters I have taught this course or even of this semester because I do not yet know the published papers I will recommend for my last couple of topics.

**OUTCOMES TO SUCCESSFULLY COMPLETE THIS COURSE INCLUDE:**

Students must select what type of project she would like to pursue. Student should have knowledge about how to conduct a research based on literature reviews, laboratory studies, epidemiological studies, clinical studies or prospective/retrospective clinical case studies. The student is expected to collect at least 60% of his/her data in this course. In the case of a literature review study 60% of the papers for the review must be read and analyzed in this course. For the entire duration of the semester, the student is required to meet with her supervisor to discuss the progress of the study. It is expected that parts of the project (such as the introduction and subjects and methods) will be written up in this course via the successful complication of reading papers, report, and satisfactory performance on exams.

**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 be 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 with result in failure of the course and referral to the dean for disciplinary sanctions.

- **Pons marks**: it is the authority of the head of optometry department to offer two marks for student if needed.

**Practical:**

In each lecture, the lecturer will choose a suitable scientific papers related to one of the lecture’s topics, which the student will be able to understand. Students may work individually or in groups to discuss and summarize the paper.

**Course Plan:**

|  |  |  |
| --- | --- | --- |
| **Topics** | **Week** | **Lecture** |
| Introduction | 26-1-2015 | 1 |
| Your introduction  Preparing: project management, ethics  Literature review | 2-2-2015 | 2 |
| Decide on your question | 9-2-2015 | 3 |
| Methodology- part 1: deciding on an approach | 16-2-2015 | 4 |
| **1st midterm exam** | **23-2-2015** | **5** |
| **SOS 2015** | **2-3-2015** | **6** |
| Methodology- part 2: the design frame | 9-3-2015 | 7 |
| Methodology- part 3: Laboratory studies, Epidemiological studies, Clinical studies or prospective/retrospective clinical case studies | 16-3-2015 | 8 |
| ***Spring break*** | **23-3-2015** | **9** |
| The right tools for the job: data gathering  Sample size calculation | 30-3-2015 | 10 |
| How to analysis the information you gather | 6-4-2015 | 11 |
| **2nd midterm exam** | **13-4-2015** | **12** |
| Conclusion and writing up | 20-4-2015 | 13 |
| Presentation of the proposal | 27-4-2014 | 14 |
| Submission the assignment (the three chapters of the thesis: introduction, literature review , methodology) | 4-5-2015 | 15 |

**Marks Distribution:**

* Chapter 1 & 2 (introduction + literature review + methodology chapters) 60marks
* Research proposal- (presentation or poster) 40 marks

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**COURSE SYLLABUS-2nd semester 2014/2015**

I have received a copy of the OPTO 498 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 …………………………………………………………………….