**Opto 225**

**Ophthalmic Optics & Dispensing I**

**OD 3**

1st Semester 2014/2015

**Lecture time**: Tuesday 8:00 am – 11:00 pm – **Room**: ( S-6 )

**Name of instructor :** Waheedah M. Alshemmri

**E-mail:** walshemmri@ksu.edu.sa

**Office:** 242 (3rd floor)

**Course Objectives:**

1. Learn different types of ophthalmic lenses as well as the lend material & forms
2. Learn the ophthalmic application Geometrical & visual optics
3. Know how to use prism in optometry field & how to calculate the power
4. Know the lens curvature of different front and back power preparing for the next course

**References:**

1. System of for Ophthalmic Dispensing, Clifford W. Brooks 3rd Edition
2. Schwartz, Geometrical & visual optics.
3. Optics, M.H Freeman 10th Edition.

**Grades:**

1st Midterm Exam = 20 Marks

2nd Midterm Exam = 20 Marks

Lab Exam = 10 Marks

Homework & Assignments = 10 Marks

Final written Exam = 40 Marks

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| Week / Lecture | Date / Sunday | Lecture Topics  |
| 1 | 7/11/35 | (Introduction- Nomenclature) |
| 2 | 14/11/35 | Ophthalmic lens materials |
| 3 | 21/11/35 | Power Specification and Measurements |
|  | 28/11/35 | **No Class ☺** |
| 6/12/35 |
| 13/12/35 |
| 4 | 20/12/35 | Forms of lens |
| 5 | 27/12/35 | Power Measurements  |
| 6 | 4/1/36 | 1St Midterm Exam |
| 7 | 11/1/36 | Identification of lenses |
| 8 | 18/1/36 | Transposition |
| 9 | 25/1/36 | Lens Power & Thickness |
| 10 | 3/2/36 | Ophthalmic Prism & Decentration 1 |
| 11 | 10/2/36 | Ophthalmic Prism & Decentration 2 |
| 12 | 17/2/36 | 2nd midterm Exam |
| 13 | 24/2/36 | Frames & Mounting |
| 14 | 1/3/36 | Practical Exam |

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