**Opto 321 (BINOCULAR VISION)**

**Ms. Tahani Alqahtani, MSc.**

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| Week | Topic |
| 1 | The importance of binocular vision to man |
| 2 | How is binocular vision achieved? |
| 3 | * Binocular Fusion
 |
| 4 | * Fixation Disparity
 |
| 5 | Mid-1 exam |
| 6 | Accommodation and AC/A Ratio |
| 7 | * Convergence
 |
| 8 | Binocular perception and Depth Perception |
| 9 | * Ocular Dominance and Stereopsis
 |
| 10 | Mid-2 exam |
| 11 | Heterophorias |
| 12 | Disorders of accommodation and Vergence |
| 13 | Aniseikonia |
| 14 | Revision |

**Recommended text books:**

1. Clinical Management of Binocular Vision: Heterophoric, Accommodative, and Eye

 Movement Disorders *by* [*Mitchell Scheiman*](http://www.amazon.com/Mitchell-Scheiman/e/B001HO9P5O/ref%3Dsr_ntt_srch_lnk_1?_encoding=UTF8&qid=1259156069&sr=1-1) *and Bruce Wick*

2. Foundations of Binocular Vision: A Clinical Perspective *by Scott Steinman, Barbara*

 *Steinman, and Ralph Garzia*

3. [Pickwell's Binocular Vision Anomalies](http://www.amazon.com/Pickwells-Binocular-Anomalies-FCOptom-DipOrth/dp/0750688971/ref%3Dsr_1_5?ie=UTF8&s=books&qid=1259156069&sr=1-5) *by Bruce J. W. Evans*

4. [Binocular Anomalies: Diagnosis and Vision Therapy](http://www.amazon.com/Binocular-Anomalies-Diagnosis-Vision-Therapy/dp/0750673699/ref%3Dsr_1_7?ie=UTF8&s=books&qid=1259156069&sr=1-7) *by* [*John R. Griffin*](http://www.amazon.com/John-R.-Griffin/e/B001KIZEQQ/ref%3Dsr_ntt_srch_lnk_7?_encoding=UTF8&qid=1259156069&sr=1-7)*, J. David*

 *Grisham, and Kenneth J. Ciuffreda*

**Marks are divided as:**

25+ 25 marks for 1st and 2nd mid terms

10 marks for presenttion.

40 marks for final exam.

**For more info:**

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