**Course Description & Objectives**

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| TOPIC | DESCRIPTION & objectives |
| Physiology & Anatomy of the Eye | **Description**: This lecture is a review of the anatomy and physiology of the eye. Each optical system is reviewed.**Objectives**: Identify each systems and their respective functions. |
| Assisting in Surgical Procedures | **Description**: This lecture is an introduction to eye procedures, anestheisa, and instrumentation.**Objectives:** Identify the seven opthalmic surgical categories, the 3 types of anesthesia, and five instruments commonly used in a procedure. |
| Ophthalmic Imaging | **Description**: This lecture is an introduction to the types of ophthalmic imaging - from external to the posterior segment. **Objectives**: Identify imaging done from external to the posterior segment. Describe the three types of photography. Describe the function of a B Scan. |
| Visual Fields & Tonometry | **Description**: This lecture is a review of the Visual Field to include the findings of a visuals field and the reasons for the test. This lecture also reviews the 2 types of perimetry and their goals. **Objectives**: Define the visual pathway, scotoma, why a visual field is ordered, and the types of a visual field. Identify the two types of pertimetry and when to do them |
| Microbiology & Equipment Repair and Maintenance | **Description**: This course is a review of microorganisms and viruses from the infection to the treatment. This course also covers the care and repair of clinical equipment.**Objectives**: Identify the pathway of a virus from infection to treatment. Describe four methods of transmission. Identify Universal Percautions.  |
| History Taking & Pupillary Assessment | **Description**: This lecture is an indepth review of the eight compentents of history taking and a proper pupillary assessment.**Objectives**: Identify the 8 compentents of history taking and the steps of a proper pupillary assessment. |
| Ophthalmic Patient Services & Education | **Description**: This lecture is an review of the most common patient questions and how to properly triage them. **Objectives**: Identify the three questions to ask during a phone call and the 2 phone calls that require emergency visits. |
| Supplemental Skills | **Description**: This lecture is a review of the advanced testing skills for various opthalmic visits.Objectives: Define how to calculate the IOL power, identify the two basic dry eye testing strategies, and how to test for the dominant eye. |
| Ocular Motilities | **Description:** This lecture is a reivew of the extra-ocular muscles and the movements that correspond with them. Objectives: Identify 4 movements and 4 extra-ocular muscles. Describe the various ways to test for fusional vergences. |
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| Pharmacology | **Description**: This lecture provides a basic understanding of common ophthalmic drugs - delivery systems, classes, useage, side effects and reactions. **Objectives**: Define the four delivery systems. Identify two of the following - cycloplegic drops, anesthic, and dyes. |
| Visual Assessment/Lensometry & Spectacle Skills | **Description**: In this lecture we will review how to determine and record visual acuity along with the charts. We will also lecture on lensometry and how to read various lens types. **Objectives**: The learner will be able to define the steps to properly check visual acuity, how to measure a spherical, astigmatic, and multifocal lenses. |
| Keratometry & Contact Lenses | **Description**: In this lecture we will review the purpose and types of keratometers. Descriptions of contact lenses are also presented.**Objectives:** Identify the 4 types of keratometers and the purpose of the test. Identify the types on contact lenses and their advantages and disadvantages. |

**Questions? Please email:** **doctorsupport@vancethompsonvision.com**