

Spectacle Track Course Descriptions

All About the Base Curve

Presented by Barry E. Santini & Brent McCardle

The base curve is perhaps the most misunderstood aspect of optics faced by opticians. Learning to handle the hurdles in the continuing war between optics and cosmetics is essential. Further, understanding exactly why and how base curve choice impacts cosmetics, perception and peripheral acuity is important for every optician.

Cylinder Power at Oblique Angles

Presented by Grant Brown, ABOM, NCLEC

Knowing the effective power of the cylinder at particular locations on a lens can be the make or break for proper patient comfort and visual expectations. This course presents both the analytical and the practical examples for calculating the effects of a cylinder in varying meridians. Covered will be why and how to use this necessary information to compensate for prism imbalance between lenses.

The Power and Politics of the PD

Presented by Barry E. Santini

As the consumer increasingly asks for their PD and prescription, Eyecare professionals see threats their bottom line. Refusing to give the PD is inconsistent with the spirit of Eyeglasses I. Beyond regulatory politics, ECPs need to understand the validity of the main measuring modalities used for determining a PD.

Optical Challenge

Presented by Grant Brown

Fast paced and fun, teams face off to come up with “out of the box” answers to some of the “what if” situations we all face in our real-life practices. Many times, the standard answer is not the only or correct one. You have to think with this one!

The Science Behind Color Enhancement

Presented by Barry E. Santini

The importance of color and color vision is severely under appreciated. Today, a more complete understanding of how color vision works is about to unfold. Color vision improvement can be life changing event for red-green deficient individuals. Every eye care professional should be conversant with the latest color enhancement technologies for the impaired and performance-specific activities.

Advanced Secrets of the Lens Cross

Presented by Diane Drake

This course will discuss the powers of lenses in all meridians by placing the Rx on a lens cross. Also presented will be information that will assist the ECP in both visualizing the final Rx as well as identifying any unwanted concerns relating to the Rx. Unwanted prism and vertical imbalance will be discussed.

Why Won't the Lab Make These Glasses the Way I Want?

Presented by Grant Brown

The lab doesn't decide how the lenses come out; you do! Everyone has had a pair of glasses return from the lab and has been surprised. Your selection of the frame, the lens design and options combined with the patient measurements control the outcome. This class is designed to help you influence those choices for the best satisfaction of the patient, you, and your bottom line.

Advanced Formulae for Ophthalmic Optics

Presented by Phernell Walker

Ophthalmic Optics encompasses geometric, applied and physiological optics. Optical formulae plays a vital role in understanding these spectacle and contact lens arrays. Join Master Optician, Phernell Walker in this fun course as he shares his own latest formula combination to identify the refractive index of the unknown material, explore ramifications of lens horizontal and vertical tilt, advanced resolving and resultant prism, and optics of contact lenses vs. eyewear.

Help! My New Glasses Don't Work

Presented by Phernell Walker

Has this happened to you? Your patient says, "Help; My New Glasses Don't Work". Troubleshooting and solving vision and other eyewear complaints takes critical thinking and a little investigative work at times. In this course, Phernell Walker, Master Optician, will share his HPC approach for solving some of the toughest challenges that manifest in prescription eyewear.

How the Effective Rx Affects Acuity

Presented by Blair Wong

This course presents the difference between the true power of the Rx and its actual effective prescription due to the manner in which it is fitted.

Optical Case Studies

Presented by Phernell Walker

Opticians and contact lens technicians must be able to identify, compare, and contrast eyewear and contact lens challenges. This course will review and apply CC/HPI, SOAP to problem solve case studies in the optical. Put on your critical thinking caps and join Phernell Walker, as we explore optical case studies.

Crossing the Line (New Solutions for Bifocal Conversion)

Presented by Laurie Pierce

There is no doubt that Progressive Addition Lenses (PALs) have improved in technology over the years, enabling bifocal wearing presbyopes to convert to PALs with little to no pain. Advances in aspheric designs, reductions of spherical aberration/marginal astigmatism make converting bifocal wearers to PAL lenses easier than ever.

Sight – The Story of Vision

Presented by Blair Wong

"Sight - The Story of Vision" is a documentary about the importance of vision and how vision related issues impact society.

Analyzing and Solving Eyewear Fitting Complaints

Presented by Alex Yoho

You will learn concepts in eyewear fitting that will allow you to solve complaints in both frame comfort and vision. You will have a step by step method of ruling out potential difficulties even when the patient says "it's just weird". You will also gain knowledge that will help you design the proper eyewear for the patient's lifestyle that will avoid complaints in the first place.

Basic Principles of Refraction

Presented by Laurie Pierce

This course brings together the theories of refraction and how the refracting procedures tie in with the patients' Rx. We will begin with a brief overview of the objective refraction process, comparing retinoscopy and vergences of the eye. Participants will compare refractive errors with vergences and relate this to the objective refractive process. Continuing with the subjective refraction, we will look at the concept of visual resolution and the order of cylinder refinement. Duochrome, Binocular Balance and measuring Add Power will round out the course. Understanding the relationship between the refraction and "the numbers" greatly enhances the dispensing experience for the optician and for the patient.

Customizing Eyewear for Special Needs

Presented by Alex Yoho

Various techniques of customizing frames will be discussed. Each participant will have the opportunity to learn techniques for modifying today's eyewear beyond the frames original capabilities for comfort, fashion, and security for unusual physical needs. There will be an interactive discussion and demonstration of techniques.

Neutralizing and Verifying Lenses that Have Prism

Presented by Alex Yoho

You will learn the effects that unwanted prism has on the intended Rx. You will learn methods to determine prism amounts in both manual and automatic lensmeters. Understanding prism will give you better knowledge to troubleshoot lenses for the patient's visual comfort and clarity.

The Total Optical Experience

Presented by Laurie Pierce

This course will begin with a description of the differences between selling eyewear to being a vision expert. The need for personalized, customer-focused service is ever present. As our society has moved into the 'Experience Economy', our dispensing strategies must keep up. Additionally, we must be able to identify, meet and exceed customer/client/patient expectations to provide the best optical experience. How do we identify customer expectations? Hold a focus group and ASK THEM. Patient/Client Expectation focus group data will be presented and discussed. This course will conclude with identifying new strategies to exceed customer expectations and build customer loyalty.