

## CHAPTER OVERVIEW

### 26: Vision and Optical Instruments

It is through optics and imaging that physics enables advancement in major areas of biosciences. This chapter illustrates the enabling nature of physics through an understanding of how a human eye is able to see and how we are able to use optical instruments to see beyond what is possible with the naked eye. It is convenient to categorize these instruments on the basis of geometric optics and wave Optics.

[26.0: Introduction to Vision and Optical Instruments](#)

[26.1: Physics of the Eye](#)

[26.2: Vision Correction](#)

[26.3: Color and Color Vision](#)

[26.4: Microscopes](#)

[26.5: Telescopes](#)

[26.6: Aberrations](#)

[26.E: Vision and Optical Instruments \(Exercise\)](#)

Thumbnail: The human eye, showing the iris. (CC-BY-SA-2.5; "Petr Novák, Wikipedia").

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