

2020 ACVO BASIC SCIENCE ONLINE COURSE SYLLABUS/SCHEDULE
**** (SUBJECT TO CHANGE) ****
(Changes since originally published highlighted in gold)

SECTION 1: Ophthalmic Examination Skills & Diagnostic Testing
(McLellan & Heinrich)

Biomicroscopy, Gonioscopy, Ophthalmoscopy Tonometry, & Retinal Imaging	<8 hours	Gill McLellan Christine Heinrich
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1300-1500 UTC, June 21: DISCUSSION # 1. (McLellan & Heinrich)

SECTION 2: Ocular & Orbital Anatomy
(Murphy & Gutierrez)

Comparative Ocular Anatomy & Histology	4 hours	Chris Murphy
Orbital Anatomy	1 hour	Claudio Gutierrez

1400-1500 UTC, June 22: DISCUSSION # 2. (Murphy & Gutierrez)

SECTION 3: Diagnostic Imaging – CT, MRI, Ultrasound, & UBM
(Thomasy & Phillips)

Ocular Ultrasound & Biomicroscopy	1 hour	Sara Thomasy
Orbital Ultrasound, MR, & CT	3 hours	Kathryn Phillips

1400-1500 UTC, June 23: DISCUSSION # 3. (Thomasy & Phillips)

LIBRARY ORIENTATION – Introduction to Sciwheel
(Fausak)

1600-1700 UTC, June 23: DISCUSSION A. (Fausak). PLEASE NOTE TIME CHANGE

or

2300-2400 UTC, June 23: DISCUSSION B. (Fausak)

(Please attend one)

SECTION 4: Neuroanatomy & Neuro-ophthalmology
(Knipe & Davidson, M.)

Neuroanatomy	2 hours	Maggie Knipe
Neuro-ophthalmology	4.5 hours	Mike Davidson

1300-1400 UTC, June 24: DISCUSSION # 4. (Knipe & Davidson, M.)

SECTION 5: Lab Animal Ophthalmology
(Wilkie)

Lab Animal Ophthalmology	3 hours	Dave Wilkie
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1200-1300 UTC, June 25: DISCUSSION # 5. (Wilkie & Eaton)

SECTION 6: Microsurgical Principles & Phacodynamics
(Wilkie)

Phacodynamics & Principles of Microsurgery	5 hours	Dave Wilkie
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1200-1300 UTC, June 26: DISCUSSION # 6. (Wilkie, Eaton, & Miller)

SECTION 7: Ocular Cytology
(Young & Teixeira)

Diagnostic Cytology	2 hours	Karen Young
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1400-1500 UTC, June 27: DISCUSSION # 7. (Young & Teixeira)

SECTION 8: Ocular Pathology I – Non-neoplastic Disease

(LaBelle, Naranjo, & Teixeira)

Non-neoplastic Ocular Pathology	~7 hours	Philippe Labelle, Carol Naranjo Leandro Teixeira
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1400-1500 UTC, June 29: DISCUSSION # 8. (Labelle, Naranjo & Teixeira)

SECTION 9: Ocular Pathology II – Neoplastic Disease
(LaBelle, Naranjo, & Teixeira)

Neoplastic Ocular Pathology	~7 hours	Philippe Labelle, Carol Naranjo Leandro Teixeira
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1400-1500 UTC, June 30: DISCUSSION # 9. (Labelle, Naranjo & Teixeira)

SECTION 10: Immunology, Uveitis, and Immunotherapy
(Watte, Gilger, & Rankin)

Immunology & ACAID	4 hours	Christine Watté
Pathogenic Mechanisms of Uveitis, Immunomodulation, Immunotherapy, & Ocular Drug Delivery	3 hours	Brian Gilger
Anti-inflammatory & Immunosuppressive Drugs	1.5 hours	Amy Rankin

1300-1400 UTC, July 1: DISCUSSION. (Watte, Gilger, & Rankin)

SECTION 11: Embryology & Genetics
(Thomasy & Petersen-Jones)

Embryology	3 hours	Sara Thomasy
Genetics and Patterns of Inheritance	3 hours	Simon Petersen-Jones

1400-1500 UTC, July 2: DISCUSSION. (Thomasy and Petersen-Jones)

SECTION 12: Glaucoma Pathophysiology & Pharmacology
(Miller & Herring)

Glaucoma	<4 hours	Paul Miller
Glaucoma Drugs	1 hour	Ian Herring

1300-1600 UTC, July 3: DISCUSSION (Miller & Herring)

SECTION 13: Virology & Antiviral Therapy
(Ledbetter & Maggs)

Virology & Antiviral Agents	4 hours	Eric Ledbetter David Maggs
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1300-1400 UTC, July 6: DISCUSSION. (Ledbetter & Maggs)

SECTION 14: Lens, Optics, & Retinoscopy
(Chandler, Ofri, & Davidson, M.)

Lens Physiology & Cataractogenesis	4 hours	Heather Chandler
Optics	4 hours	Ron Ofri
Retinoscopy	2 hours	Mike Davidson

1300-1400 UTC, July 8: DISCUSSION. (Chandler, Ofri, & Davidson)

SECTION 15: Retinal Physiology & Electrodiagnostic Testing
(Komaromy & Ofri)

Retinal Physiology	4 hours	Andras Komaromy
Electrodiagnostic Testing	4 hours	Ron Ofri

1300-1500 UTC, July 9: DISCUSSION. (Komaromy & Ofri)

SECTION 16: The Ocular Surface - Physiology, Disease & Pharmacology
(Leonard, Thomasy, Maggs, & Herring)

Palpebral, Conjunctival & Tear Film Physiology	4 hours	Brian Leonard David Maggs
Corneal Physiology & Diagnostic Testing	4 hours	Sara Thomasy
Mydriatics, Anesthetics, Lacrimogenics/mimetics	2 hours	Ian Herring
1400-1500 UTC, July 10: DISCUSSION. (Leonard, Thomasy, Maggs & Herring)		

SECTION 17: Microbiology, Antimicrobial Therapy, & Drug Compounding
(Hendrix, Rankin, & Davidson, G.)

Microbiology	5 hours	Diane Hendrix
Antibiotic and Antifungal Agents	1.5 hours	Amy Rankin
Compounded Ophthalmics & Drug Formulation	2 hours	Gigi Davidson

There are currently no DISUCSSION sessions scheduled for Microbiology, Antimicrobial Therapy, and Drug Compounding.