EQUIPMENT

First Professional Year
Fall Semester

By Fall term, tenth week, all first year optometry students are expected to obtain the following equipment which is required for the pre-clinical and clinical optometry courses:

Miscellaneous Equipment:
1. Occluder/Hand-held Maddox Rod** - $18.50, or Occluder/Single (Black) - $10.95
2. +/-1.50 and +/-2.00 Lens Flippers - $18.50 each
3. Trial Lens Set to include + and – Cylinder Lenses and Trial Frame - $495.00
4. Bernell Trial Lens Flipper Bar** - $15.26
5. Stethoscope, Combination Diaphragm/Bell Model - $55.00
6. Stereo Randot Test - $189.95
7. OSU Near Point Cards (2)** - $12.00 ($6.00 each)
8. Clinic Case - $119.00
9. Combination Prism Set, with or without Maddox Rod** - $226.50
10. Vergence Facility Prism** - $12.00
11. P.D. Rule** - $3.00
12. Annual TB Skin Test - $20.00
13. Hepatitis B Vaccination - $223.00

**Indicates potential VSP Scholarship item – See Class Reps for details.

All items listed above may be purchased from vendors at the annual fall Optical Showcase.

Total (Items 1-13) = $1,426.21

Diagnostic Ophthalmic Package to Include:
1. Ophthalmoscope Head
2. Retinoscope Head
3. Handles (2)
4. Well-charger or Plug-in Rechargeable Handles
5. Hard Case
6. Transilluminator

Approximate Total (Items 1-6) $945.00

Other Requirements:
1. Turning Technologies “ResponseCard NXT with Backlight” Clicker Device, ISBN #978-1-934931-49-3, $83.35 (May also be purchased “used” from Optometric Student Government, $20.00)

Total = $83.35

Approximate Grand Total (First Year) = $2,454.56
Second Professional Year
Fall Semester

Required Equipment:
1. Binocular Indirect Ophthalmoscope (BIO) with Teaching Mirror - $2,195.00
2. Goldmann Style 3 Mirror Lens - $290.00
3. Scleral Indentor - $50.00
4. Foreign Body Removal Kit - $245.00 (Pioneer Models include a Scleral Indentor)
5. Lens Flippers (+/-1.00D) - $18.50
6. Volk 20D Lens - $239.00
7. Volk Superfield Lens - $319.00

Total (Items 1-7) = $3,356.50

Spring Semester - These items must be purchased and in the student’s possession for the first week of the spring semester. Both of these items are coordinated by the COVD student organization.

1. Saladin Near Point Balance Card (available through www.bernell.com - BCSALCD - $111.95
2. Peds Package: LEA symbol flash cards, LEA symbol near VA chart, set of 3 blue hippo fixation sticks, zoo animal finger puppets, and toucan PD and fixation stick, Saladin card, ret racks, +/-0.50 flippers, Polaroid goggles, elastic band eye patch. The expected cost for the Peds Package is $300.00.

Other Requirements:
1. Listed under First Year - Turning Technologies “ResponseCard NXT” Clicker Device ($83.35).
2. Annual TB Skin Test - $20.00

Total = $431.95

Grand Total (Second Year) = $3,788.45

Third Professional Year
Fall Semester
1. 4 Mirror Gonioscopy (no fluid) Lens, without Flange - $362.00

Other Requirements:
1. Listed under First Year - Turning Technologies “ResponseCard NXT” Clicker Device ($83.35)
2. Annual TB Skin Test - $20.00

Spring Semester
1. CPR Training - $30.00
2. Suture Tutor Plus e-learning module, $41.00

Grand Total (Third Year) = $453.00
Fourth Professional Year

First Rotation, Second Rotation, Third Rotation

Required Equipment:
As required by the rotation site and approved by the Associate Dean.

Texts:
As required by the rotation site and approved by the Associate Dean.

Other Requirements:
1. Annual TB Skin Test - $20.00

Grand Total (Fourth Year) = $20.00

TEXTBOOKS

First Professional Year

Fall Semester

OPTM 511: Introduction to Optometry
-No textbook required

OPTM 514: Ethics & The Dr./Patient Relationship
-Professional Communications in Eye Care, Ettinger, $94.95
-Optometry 514 Course Pack, Miller, $19.00
-An Optometrist’s Guide to Clinical Ethics, Bailey & Heitman, AOA, (Recommended) (Available on-line free of charge at the American Optometric Association website www.aoa.org)
-Michigan Optometric Association Membership Guide, Schnetzler, (Recommended) (Free to MOA members)

OPTM 524: Geometric, Physical & Visual Optics 1
-Geometric, Physical and Visual Optics, Keating, 2nd Ed., $140.00
-Optometry 524/525 Course Pack, Pole, $11.65

OPTM 534: Ocular Anatomy & Physiology
-Clinical Anatomy & Physiology of the Visual System, Remington, 3rd Ed., $137.00

BIOL 537: Anatomy & Physiology for Optometry 1
-Vander’s Human Physiology, Widmaier, Raff & Strang, 12th Ed., $226.35
-Seeley’s Anatomy and Physiology Lab Manual, VanPutte, 9th Ed., $147.00
Spring Semester

BIOL 438: Microbiology & Immunology for Optometry
- Brock Biology of Microorganisms, Madigan et al., 11th Ed., $147.00 (Recommended)
- Kuby Immunology, Goldsby et al., 5th Ed., $80.65 (Recommended)
- Ophthalmic Drug Facts, Bartlett, et al., $69.96 (Recommended)
- Scantron Answer Sheets, Form #882-E, Package of 6, $2.10

OPTM 525: Geometric, Physical & Visual Optics 2
- Listed under OPTM 524 - Geometric, Physical and Visual Optics, Keating
- Listed under OPTM 524 - Optometry 524/525 Course Pack, Pole

OPTM 526: Vision Science 1
- Visual Perception: A Clinical Orientation, Schwartz, 4th Ed., $100.00
- Foundations of Binocular Vision, A Clinical Perspective, Steinman, $105.00 (Recommended)

BIOL 538: Anatomy & Physiology for Optometry 2
- Listed under BIOL 537 - Vander’s Human Physiology, Widmaier, Raff & Strang, 12th Ed.
- Listed under BIOL 537 – Seeley’s Anatomy and Physiology Laboratory Manual, VanPutte, 9th Ed.

OPTM 543: Optometric Procedures 1
- Clinical Procedures for Ocular Examination, Carlson et al., 3rd Ed., $83.00
- Optometry 543 Course Pack, Miller
- Primary Care Optometry, Grosvenor, 5th Ed., $145.00 (Recommended)
- Borish’s Clinical Refraction, Benjamin, 2nd Ed., $246.00 (Recommended)

Second Professional Year

Fall Semester

OPTM 615: Practice Management 1
- Business Aspects of Optometry, Classe et al, 3rd Ed. (Provided by VSP)

OPTM 627: Vision Science 2
- Foundations of Binocular Vision: A Clinical Perspective, Steinman, $105.00

OPTM 628: Ophthalmic Optics
- System for Ophthalmic Dispensing, Brooks & Borish, 3rd Ed., $155.00 (Recommended)
- OPTM 628 Course Packet, Brady (Available on Blackboard)

OPTM 630: General Pathology
- Robbins Basic Pathology, Kumar et al, 8th Ed., $97.95
OPTM 635: Neuroanatomy & Neurophysiology
- Neuroscience, Lippincott’s Illustrated Reviews, Krebs et al, $70.85

OPTM 644: Optometric Procedures 2
- Optometric Procedures 2 Course Pack, Miller, $18.20
- Listed under OPTM 543 - Clinical Procedures for Ocular Examination, Carlson et al., 3rd Ed.
- Binocular Indirect Ophthalmoscopy-Courseware for Eyecare Professionals, $53.30 (Recommended)
- Listed under OPTM 543 - Primary Care Optometry, Grosvenor, 5th Ed., (Recommended)

Spring Semester

OPTM 629: Ophthalmic Dispensing Lab
- Listed under OPTM 628 - System for Ophthalmic Dispensing, Brooks & Borish, 3rd Ed. (Recommended)

OPTM 631: Physical Exam. & Diagnostic Procedures
- Clinical Medicine in Optometric Practice, Muchnick, 2nd Ed., $131.00 (Recommended)
- Bate’s Guide to Physical Examination and History Taking w/CD, 11th Ed., $144.00 (Recommended)

OPTM 633: Laser & Refractive Surgery
- Ophthalmology, Yanoff, 4th Ed., $385.00

OPTM 636: Diagnosis & Treatment of Anterior Segment
- OPTM 636 Lab Course Pack, Vance, $9.75
- OPTM 636 Lecture Course Pack, Pole & Walling, $11.00 (Recommended)
- Listed under OPTM 633 - Ophthalmology, Yanoff, 4th Ed.

OPTM 645: Diagnosis of Accom. & Binoc. Dysfunc.
- Clinical Management of Binocular Vision, Scheiman & Wick, 4th Ed., $98.00
- Handbook of Pediatric Strabismus and Amblyopia, Wright, 6th Ed., $119.00
- Foundations in Binocular Vision: A Clinical Perspective, Steinman, $105.00 (Recommended)
- Clinical Procedures for Ocular Examination, Carlson et al., 3rd Ed., $83.00 (Recommended)
- Primary Care Optometry, Grosvenor, 5th Ed., $145.00 (Recommended)
- Listed under OPTM 633 - Ophthalmology, Yanoff, 4th Edition (Recommended)

OPTM 648: Contact Lenses I
- Clinical Manual of Contact Lens, Bennett & Henry, 4th Ed., $100.00

OPTM 650: Optometry Clinic 2-1
- Previous textbooks as applicable

OPTM 657: Clinical Problem Solving 1
- No textbook required
Third Professional Year

Summer Semester

OPTM 717: Public Health and Optometry
- Public Health: What it is and how it works, Turnock, B. J., 2012, Burlington, MA: Jones & Bartlett Learning. 6th Ed., $86.00

OPTM 733: General and Ocular Pharmacology
- Clinical Ocular Pharmacology, Bartlett & Jaanus, 5th Ed., $173.00
- Ophthalmic Drug Facts, Bartlett, et al., 25th Ed., $94.95 (Latest annual edition) (Recommended)

OPTM 738: Injectable Pharmaceuticals Lab
- No textbook required

OPTM 746: Vision Therapy & Occupational Vision
- Binocular Anomalies: Theory, testing, and therapy, 5th edition (2 volume set), Griffin & Borsting, OEP $95.00
- Listed under OPTM 645 - Clinical Management of Binocular Vision, Scheiman & Wick, 4th Ed.

OPTM 749: Contact Lenses 2
- Clinical Contact Lens Practice, Bennett & Weissman, $185.00 (Recommended)

OPTM 751: Optometry Clinic 3-1
- KMK Educational Services, Part One National Board Review, $595.00

OPTM 758: Clinical Problem Solving 2
- No textbook required

Fall Semester

OPTM 732: Pharm. Mgmt. Of Ocular Conditions

OPTM 734: Diagnosis & Treatment of Glaucoma
- Essential Perimetry, Heijl and Patella, 3rd Ed., $11.00
- Atlas of Clinical Ophthalmology, Spalton, 3rd Ed., $371.45 (Recommended)

OPTM 736: Diagnosis & Treatment of Posterior Segment
- Listed Under OPTM 734-Atlas of Clinical Ophthalmology, Spalton, 3rd Ed. (Recommended)
OPTM 741: Developmental & Behavioral Pediatric Optometry
-Visual Development, Diagnosis, and Treatment of the Pediatric Patient, Duckman, $100.00
-Optometric Management of Learning-Related Vision Problems, Scheiman, 2nd Ed., $112.10
-Optometry 741 Course Pack, Jenerou, $12.70

OPTM 752: Optometry Clinic 3-2
-No textbook required

Spring Semester

OPTM 718: Practice Management 2
-Listed Under OPTM 615 - Business Aspects of Optometry, Classe et al, 3rd Ed.

OPTM 737: Advance Ocular Disease & Surgical Management
-The Wills Eye Manual, Kunimoto, 6th Ed., $95.00

OPTM 739: Clinical Neuro-optometry
-No Textbook Required

OPTM 744: Optometric Gerontology
-No Textbook Required

OPTM 745: Low Vision
-No Textbook Required

OPTM 753: Optometry Clinic 3-3
-No textbook required

OPTM 759: Clinical Problem Solving 3
-No textbook required

Fourth Professional Year

Summer Semester

OPTM 811: Web Seminar 1

OPTM 854: Clinical Practice 1

Required Equipment:
As required by the rotation site and approved by the Associate Dean.

Required Texts:
As required by the rotation site and approved by the Associate Dean.
Fall Semester

OPTM 812: Web Seminar 2

OPTM 855: Clinical Practice 2

Required Equipment:
As required by the rotation site and approved by the Associate Dean.

Required Texts:
As required by the rotation site and approved by the Associate Dean.

Spring Semester

OPTM 813: Web Seminar 3

OPTM 817: Research Project

OPTM 856: Clinical Practice 3

Required Equipment:
As required by the rotation site and approved by the Associate Dean.

Required Texts:
As required by the rotation site and approved by the Associate Dean.
**SUMMARY OF EXPENSES**

### First Professional Year

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<td>Texts</td>
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### Second Professional Year

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<td>Equipment/Other</td>
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### Third Professional Year

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<td>National Boards/Part 1</td>
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### Fourth Professional Year

- Equipment: As required by rotation site and approved by the Associate Dean
- Texts: As required by rotation site and approved by the Associate Dean

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<tr>
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<td>National Boards/Part 3</td>
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*There will be traveling expenses to the off-campus clinics. Housing and meal expenses may be higher than equivalent campus expenses.*
TUITION (2016-2017)

Resident = $656.00 per credit hour plus refundable fees  
Non-resident = $984.00 per credit hour plus refundable fees  
10 Total Semesters for Doctor of Optometry program.  
NOTE: On-line Learning Fee will be assessed at $10 per credit hour to all on-line courses to support on-line instruction.

HOUSING (2016-2017)

Housing/Dining Rates (Double Occupancy)
Platinum Meal Plan - $5,057.00/year  
Gold Meal Plan - $4,707.00/ year  
Silver & Bronze Meal Plans - $4,407.00/ year

East Campus Suites – Single Student (4 Bedroom Suite)/No Meal Plan  
$3,012.00/semester

East Campus Suites – Single Student (2 Bedroom Suite)/No Meal Plan  
$4,046.00/semester

Single Student Apartments (East)  
One Bedroom/12 Month Lease - $9,808.00  
Two Bedroom (1 Person)/12 Month Lease - $11,338.00

Single Student Apartments (Finch Court)  
One Bedroom - $589 Per Month

University Townhouse (West)  
Family – Two bedroom/12 Month Lease - $12,204.00  
Three bedroom/12 Month Lease - $13,332.00

Off-Campus/Top Dog Express Meal Plan (2016-2017)  
75 Meals - $521.00  
50 Meals - $375.00  
25 Meals - $202.00

Please contact University Apartments at 231-591-3781 for more information.

FINANCIAL AID

Students concerned with questions of aid should contact the Financial Aid Office, Timme Center for Student Services, Ferris State University at (231) 591-2110.

Prepared by Associate Dean’s Office  
Michigan College of Optometry