# UNIVERSITY OF PIKEVILLE

# Kentucky College of Optometry

# CATALOG

# 2020-2021

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The University of Pikeville - Kentucky College of Optometry catalog is available online at www.upike.edu. Information in this catalog is prepared based on the best information available at the time of publication, including statements of fees, course offerings, and academic regulations. The catalog was accurate at the time of printing, but is subject to change as deemed appropriate by the University of Pikeville to fulfill its mission or to accommodate circumstances beyond its control. Any such changes may be implemented without prior or advance notice and without obligation and, unless otherwise specified, are effective when made.

## *Letter from the Dean . . .*

I would like to welcome you to the Kentucky College of Optometry (KYCO) and the University of Pikeville. Located in the heart of the Central Appalachian Mountains, KYCO is the only college of optometry in the state of Kentucky and the 22nd in the United States. The University of Pikeville provides academic and co-curricular opportunities that take full advantage of this unique location. KYCO earned "accredited" status by the Accreditation Council on Optometric Education in April of 2020.

Since 2011, with the passage of the "Better Access to Quality Healthcare Act", optometrists in the state of Kentucky can perform in-office laser eye procedures, minor injections, and remove "lumps and bumps" around the eyes. Kentucky is one of only three states in the nation that provide this scope of practice for Doctors of Optometry. At KYCO, we embrace this expanded scope of practice and ensure that these procedures are fully taught as part of our unique curriculum.

A new 103,000-sq. ft., state-of-the-art building provides effective learning and teaching space for all KYCO students. Students have access to the newest and most advanced equipment as part of the learning experience while providing better access to quality eye care for rural Kentucky residents. Clinical experiences in an array of satellite clinics, strategically placed in rural areas in need, provide students with opportunities to truly be part of the health care team.

At KYCO, your success is our success. We are committed to supporting your academic, physical, mental health, financial and social needs through a comprehensive set of services that are in line with our mission and goals. Our faculty are dedicated to helping you obtain the skills and knowledge you need to begin a rewarding optometric career. We challenge our students to do their best so that they can practice at the highest levels of optometric care and be valued colleagues in the future.

I look forward to working with you as you pursue your Doctor of Optometry degree and become caring health care providers.

Sincerely,

Michael Bacigalupi, O.D., M.S., F.A.A.O.
Dean, Kentucky College of Optometry
University of Pikeville
#KYCOFirst

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# Kentucky College of Optometry

## ACADEMIC CALENDAR

## 2020 - 2021

**NOTES:** This is an overview of the academic year. Day-by-day schedules will be distributed and are subject to change.

| Summer 2020 | Description |
|---|---|
| May 11, 2020 | Summer Semester Begins (Classes of 2021, 2022) |
| May 25, 2020 | Memorial Day (No Classes – Classes of 2021*, 2022) |
| July 3, 2020 | Independence Day Observance (No Classes – Classes of 2021, 2022) |
| August 14, 2020 | Summer Semester Ends (Classes of 2021, 2022) |
| **Fall 2020** | **Description** |
| August 23, 2020 | White Coat Ceremony (Class of 2022) |
| August 19 – 21, 2020 | Orientation (Class of 2024) |
| August 24, 2020 | Fall Semester Begins (Classes of 2021, 2022, 2023, 2024) |
| September 7, 2020 | Labor Day (No Classes – Classes of 2021*,2022, 2023, 2024) |
| October 7 – 10, 2020 | Fall Break – AAO (No Classes – Classes of 2021*, 2022, 2023, 2024) |
| November 26 - 27, 2020 | Thanksgiving Break (No Classes – Classes of 2021*, 2022, 2023, 2024) |
| December 18, 2020 | Fall Semester Ends (Classes of 2021, 2022, 2023, 2024) |
| Dec. 21, 2020 - Jan. 1, 2020 | Winter Break (Classes of 2021, 2022, 2023, 2024) |
| **Spring 2021** | **Description** |
| January 4, 2021 | Spring Semester Begins (Classes of 2021, 2022, 2023, 2024) |
| January 18, 2021 | Martin Luther King Jr. Day<br>(No Classes – Classes of 2021*, 2022, 2023, 2024) |
| March 8 - 12, 2021 | Spring Break (Classes of 2021*, 2022, 2023, 2024) |
| March 16 – 19, 2021 | NBEO Examinations (No Classes – Class of 2022 ONLY) |
| April 2, 2021 | Good Friday (No Classes – Classes of 2021*, 2022, 2023, 2024) |
| April 15 - 16, 2021 | Hillbilly Days (Online Classes only – Classes of 2021*, 2022, 2023, 2024)<br>*Tentative* |
| April 23, 2021 | Spring Semester Ends (Class of 2021) |
| April 26 – 28, 2021 | Travel Days (Class of 2021) |
| April 29 – 30, 2021 | Capstone Graduation Activities (Class of 2021) |
| April 30, 2021 | Spring Semester Ends (Classes of 2022, 2023, 2024) |
| May 1, 2021 | Health Professions Commencement for Class of 2021<br>(9:30 a.m. @ Appalachian Wireless Arena) |

## KENTUCKY COLLEGE OF OPTOMETRY

The Kentucky College of Optometry (KYCO) is the 22nd optometry school in the nation and the first in Kentucky. KYCO welcomed its inaugural class in 2016, pioneers in the birthplace of rural optometry, who will have an opportunity to make a real and lasting impact. The inaugural class will be part of our great undertaking, called by many a "Vision of Hope". Our four-year program will leverage the expanded scope of practice permitted by Kentucky law governing the practice of optometry. This law provides for selective laser and peri-ocular surgical procedures, allowing KYCO to bring modes of treatment not previously obtainable on a significant basis to underserved areas. The new $55 million cutting-edge vision care facility completed construction the spring of 2017 and is equipped with the finest ophthalmic instruments under the expert guidance of faculty members skilled and licensed in these optometric treatments.

Optometry is the independent primary health care profession that specializes in diagnosis and treatment of diseases and disorders of the eye and visual-system. Doctors of Optometry (O.D.) are the primary-care doctors of the eye who perform comprehensive examinations on people of all ages to preserve ocular health by prescribing contact lenses and glasses, treating diseases such as glaucoma, performing specific surgical procedures, and providing pre- and post-operative care for eye surgery patients. Additionally, the curriculum for the Doctor of Optometry consists of courses such as anatomy, physiology, pathology, and pharmacology that enable Optometrists to often detect critical health issues (diabetes, hypertension, etc.) and refer patients for immediate treatments.

## MISSION

The Kentucky College of Optometry's mission is to develop leaders in therapeutic optometry through innovative education and a commitment to caring for the underserved.

## GOALS & OBJECTIVES

1) LEADERS IN THERAPEUTIC OPTOMETRY

Develop leaders in therapeutic optometry through an integrated curriculum that includes diverse clinical experiences and opportunities for intellectual, personal, and professional growth.

Objectives:

- Develop ophthalmic surgical and laser skills.
- Promote, facilitate, and reward faculty professional development and scholarly activity.
- Provide faculty with direct research support such as time, space, equipment, and funding.
- Promote collaborative and mentoring relationships for research and scholarly activity with other entities of higher learning, including the main University of Pikeville campus and the Kentucky College of Osteopathic Medicine.
- Pursue research which addresses the healthcare needs of Appalachia.
- Develop, support, and promote student research and scholarship.

- Encourage student leadership development through organized optometry and student organizations and faculty mentorship.

2) INNOVATIVE EDUCATION

Implement innovative educational programs that use state-of-the-art technology and prepare graduates for the ever-expanding practice of optometry.

Objectives:

- Recruit and retain exceptional faculty.
- Promote faculty mentoring for every student.
- Integrate advanced technologies into the educational process.
- Continue to incorporate virtual learning technologies into the educational strategies.
- Support the development of critical thinking skills.
- Foster a culture of lifelong learning and educational curiosity.
- Encourage faculty to maintain quality lecture and laboratory materials that evolve with the ever-changing profession.
- Develop cultural competency through education and community experiences.
- Maintain academic support and intervention services for every student.

3) PATIENT CARE

Provide accessible, patient-centered, high quality, therapeutic eye care within integrated clinical systems.

Objectives:

- Emphasize the application of evidence-based clinical standards of care.
- Provide a safe, secure, and confidential clinical environment.
- Document the Kentucky College of Optometry's impact on the vision care of the region.
- Provide a wide range of patient experiences within integrated clinical systems.
- Develop and enhance clinical proficiency.
- Provide quality care, regardless of ability to pay.
- Maintain community-based eye care services.

4) SERVICE

Promote service to the profession, to the community, and to the underserved in Appalachia and beyond.

Objectives:

- Immerse faculty and optometry students in the delivery of care in rural clinical settings.
- Foster an understanding and appreciation of diversity and cultural sensitivity.
- Plan and implement an infrastructure for disaster relief initiatives.
- Serve as a knowledgeable vision care resource to the broader community.
- Emphasize the active participation in service, non-profit, faith-based, and professional organizations.
- Promote student and faculty leadership in service and mission activities.
- Deliver patient care consistent with the University of Pikeville's faith-based tradition.
- Encourage graduates to pursue opportunities in medically underserved areas.

## Accreditation

Kentucky College of Optometry is part of the University of Pikeville, which was established in 1889 as a small Presbyterian college located in Pikeville, Kentucky. The University of Pikeville is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, masters, and doctorate degrees. Questions about the accreditation of the University of Pikeville may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

The professional optometric degree program at the University of Pikeville Kentucky College of Optometry holds the status of "Accredited" from the ***Accreditation Council on Optometric Education (ACOE)***, 243 N. Lindbergh Blvd., St. Louis, MO 63141—Telephone 314-991-4100. The next evaluation visit is currently scheduled for April 2028. The classification of "Accredited" is granted to an educational program indicating that the program generally meets the standards of accreditation and that the program has no deficiencies or weaknesses that compromise the educational effectiveness of the total program.

## NOTICE OF NON-DISCRIMINATION

The University of Pikeville does not discriminate on the basis of race, ethnicity, color, sex, gender, gender identity, sexual orientation, religion, national origin, age or disabilities in its programs, activities, hiring, or the admission of students.

The following person has been designated to handle inquiries regarding non-discrimination policies under Title IX:

Bethany Bowersock
Title IX Coordinator
University of Pikeville
Administration Building
147 Sycamore Street
Pikeville, KY 41501
bethanybowersock@upike.edu
606-218-5344

The following person has been designated to handle inquiries regarding other non-discrimination policies:

Michael Pacheco
Human Resources Director
University of Pikeville
147 Sycamore Street
Pikeville, KY 41501
michaelpacheco@upike.edu
606-218-5216

If either individual is unavailable, inquiries concerning any non-discrimination policy may be directed to the other individual.

# ~ Admission Information ~

## ADMISSIONS

To apply to the University of Pikeville – Kentucky College of Optometry (KYCO), you must first submit an application through OptomCAS, the Optometry Centralized Application Service (www.otomcas.org). This service streamlines the application process and opens for application submission on July 1 of each year. Applications should be completed and all required material submitted by March 31. Any application not received by this deadline will not be reviewed by the admissions committee. In addition to the OptomCAS applications, candidates must also complete the Optometry Admissions Test (OAT) or other pre-health professions entrance examination (MCAT, PCAT, or PAT). The entrance examinations are to designed to measure general academic ability and understanding of scientific information. Information about the OAT, registration, samples tests, and instructions can be found at www.opted.org. The admissions committee will review the submitted application, OAT test scores, academic performance, exposure to the optometry profession and letters of evaluation to select 60 highly qualified students for each class.

## REQUIREMENTS FOR ADMISSION

Applicants will be considered for admission when the following criteria are accomplished:

- Successful completion of a minimum of 90 semester hours of college coursework from an accredited institution of higher learning
- A grade of C or better must be achieved in all prerequisite courses
- A recommended minimum cumulative grade point average of 2.75 on a 4.00 scale*
- A recommended minimum overall Optometry Admission Test score of 300 or above the 50$^{th}$ percentile on other entrance examinations made available to the University of Pikeville, Kentucky College of Optometry
- Two letters of recommendation from sources in the following combination:
    - A health care provider letter (preferably an O.D. who is a member of the American Optometric Association). This letter is required along with one of the following:
    - Pre-health care professional advisor or committee member
    - A Science faculty member.

**In exceptional cases the strength of the overall application may warrant consideration of a lower GPA or OAT score.*

A candidate may apply while in the process of completing prerequisites; however, all requirements must be completed prior to matriculating. All courses must have been completed within 10-years of the first day of classes for the entering student. However, the applicant can furnish evidence to

the Admissions Committee of command of current knowledge in topics which do not meet the 10-year criteria. Questions or for additional information contact:

University of Pikeville
Kentucky College of Optometry
Attention: Admissions Office
147 Sycamore Street
Pikeville, KY 41501
Telephone: (606) 218-5520
kycoadmissions@upike.edu

## APPLICATION

Below is a checklist of all required materials necessary for a completed Admissions Application to the University of Pikeville - Kentucky College of Optometry (KYCO) program. Based on the submitted application and information, applicants will be invited for an on-site interview. All application materials must be received by the Kentucky College of Optometry by the May 31st deadline each year. Admission to the Kentucky College of Optometry is done on a rolling basis; therefore, early application is highly recommended. The Admissions Office will email the applicant to acknowledge that a complete application has been received. Once the application has been processed, the Admissions Office will send an email regarding application status.

### Application Checklist

Students applying to the Kentucky College of Optometry must utilize the Optometry Centralized Application Service, known as OptomCAS. The Association of Schools and Colleges of Optometry (ASCO) is a non-profit education association representing the interests of optometric education. Its membership encompasses twenty-three schools and colleges of optometry. This service is designed to streamline your application process and can be found at: www.optomcas.org

### Completed OptomCAS Application and Fee Official Transcripts

Submit all transcripts from undergraduate, post-baccalaureate, and graduate programs attended only through OptomCAS.

Tip: Request transcripts be sent to OptomCAS early in the application process to ensure receipt prior to the application deadline.

## Letters of Evaluation

Letters of Evaluation are also submitted through OptomCAS. Although OptomCAS allows up to four letters of recommendation to be entered into the online application, KYCO requires and will only review two letters of recommendation.

## Official Entrance Examination Report

Students are also required to take an entrance examination (OAT, MCAT, PCAT, or PAT). Information can be found at: http://www.ada.org/en/oat Make sure to designate the Kentucky College of Optometry as an official OAT or other examination score recipient.

Tip: Often candidates will seek to re-take the OAT, which requires a 90-day wait. It is advisable to plan for a possible re-take of the OAT prior to the deadline of the application process.

## ACADEMIC ADMISSION REQUIREMENTS

Applicants will be considered on the basis of academic performance represented by coursework grades, course load, academic trends and degree of course difficulty, and scores on the components of the Optometry Admissions Test. In addition, the applicant review will include consideration of the non-academic qualifications such as: positions of leadership held, volunteer activities in optometric or other health care related services, extra-curricular activities, communication skills (as demonstrated in the personal statement and interview), and letters of evaluation, in no particular order of preference or weight.

At KYCO, the admission committee considers many factors in determining the students who will be selected for our program. While we do evaluate academic performance, grade point average (GPA), the results of the Optometry Admissions Test (OAT), or other entrance examination, performance in prerequisite courses, number of college credits completed and degree status, we also evaluate other non-academic qualifications including:

- Character
- Motivation
- Dedication to Service
- Leadership
- Interpersonal Skills
- Genuine Interest in Optometry
- Work and Extracurricular Activities

An important component of gauging these non-academic qualifications is through our interview process.

## ACADEMIC PREREQUISITE REQUIREMENTS

The Kentucky College of Optometry requires completion of the prerequisites listed or the equivalents of these courses from any accredited college or university. Applicants must have completed 90 or more credit hours of undergraduate work; however, preference for admission will be given to those with an earned bachelor's degree. If you have questions about the applicability of your coursework, please email kycoadmissions@upike.edu.

The prerequisites or equivalents are as follows:

| Required Courses | Number of Courses |
|---|---|
| Biology with Laboratory | 2 Semesters (or 3 quarters) |
| Inorganic/General Chemistry with Laboratory | 2 Semesters (or 3 quarters) |
| Organic Chemistry with Laboratory | 1 Semester (or 2 quarters) |
| General Physics with Laboratory | 2 Semesters (or 3 quarters) |
| Calculus<br>or College Mathematics | 1 Semester (or 2 quarters)<br>2 Semester (or 3 quarters) |
| Psychology | 1 Semester (or 2 quarters) |
| English | 2 Semester (or 3 quarters) |
| **Additional Requirements for Student Entering Without a Bachelor's Degrees** | **Number of Courses** |
| Humanities<br>May include:<br>Art<br>Foreign Language<br>History<br>Literature<br>Philosophy<br>Theology | 2 Semesters (or 3 quarters) |
| Behavioral & Social Sciences<br>May include:<br>Accounting<br>Anthropology<br>Communication<br>Economics<br>Geography<br>History<br>Political Science<br>Psychology<br>Sociology | 2 Semesters (or 3 quarters) |

**Recommended elective courses include:**

Although not required, the following additional courses are recommended:

Human Anatomy, Bacteriology, Biochemistry, Computer Science, Ethics, Genetics, Histology, Embryology, Immunology, Microbiology, Molecular Biology, Physiology, and Statistics.

## TRANSFER ADMISSIONS POLICY

The University of Pikeville, Kentucky College of Optometry (KYCO) endorses the concept of student continuity at a single institution for the duration of the professional degree program. This is most often in the best interest of the student.

However, personal circumstances may warrant that a student enrolled in one optometric institution may seek to transfer to another school or college of optometry. Any individual wishing to transfer to the Kentucky College of Optometry must meet the following criteria:

1. The applicant must:
    a. Make formal application to the Kentucky College of Optometry through OptomCAS.
    b. Meet all admissions requirements for the Kentucky College of Optometry which include submitting official transcripts of all college courses taken, NBEO scores (if taken), and letters of evaluation.
    c. Be in good standing at the transferring institution as documented by a letter from the dean or designee from the transferring institution.
    d. Supply a written statement outlining reasons for the transfer request.
    e. Complete an on-campus personal interview.

All completed transfer requests will be evaluated by a faculty-led, Kentucky College of Optometry Committee to assign credit for courses taken. Upon full approval of a transfer request, the student will be notified in writing of his/her standing at KYCO. Any additional requirements will be requested at this time and must be completed prior to matriculation. Before being permitted to enter clinical rotations, the transferring student must complete and pass a clinical proficiency examination administered by the KCYO faculty.

Note: All decisions regarding transfer applications are made by the Dean's office. Decisions will be based on many factors that include, but are not limited to academic records, circumstances leading to the transfer request, available space in the optometric class, and the current KYCO admissions standards.

2. The Kentucky College of Optometry will not consider transfer requests from students that have been dismissed from other schools or college of optometry.

3. The Kentucky College of Optometry will only consider dismissed students during the competitive admissions process for a traditional four-year course of study.

## RE-APPLICATION PROCEDURES

Re-applicants must submit the following for consideration of admission:

- Completed online OptomCAS application - www.optomcas.org
- OAT scores

Please note that official academic transcripts from each college or university attended and letters of recommendation must be sent directly to OptomCAS, as part of the central application process. This includes transcripts for any coursework completed since the last application was submitted as well as updated letters of recommendation.

Once all updated materials have been received, students who are determined to be academically competitive will be invited for an interview with the Admissions Committee.

## READMISSION

Following a leave of absence, a student must submit a written request to return to the Office of the Associate Dean of Academic Affairs. Students must notify the Associate Dean of Academic Affairs at least two (2) months prior to the start of the semester that they wish to be enrolled.

## FUNCTIONAL STANDARDS

The following are ASCO Functional Guidelines for Didactic and Clinical Optometric Education which were approved by the ASCO Board of Directors on March 20, 1998 and revised March 31, 2009.

To provide guidance to those considering optometry as a profession, the Association of Schools and Colleges of Optometry (ASCO) has established functional guidelines for optometric education. The ability to meet these guidelines, along with other criteria established by individual optometric institutions, is necessary for graduation from an optometric professional degree program.

One of the missions of each school and college of optometry is to produce graduates fully qualified to provide quality comprehensive eye care services to the public. To fulfill this mission, each institution must ensure that students demonstrate satisfactory knowledge and skill in the provision of optometric care. Admission committees, therefore, consider a candidate's capacity to function effectively in the academic and clinical environments, as well as a candidate's academic qualifications and personal attributes.

The functional guidelines in optometric education require that the candidate/student possess appropriate abilities in the following areas: 1) observation; 2) communication; 3) sensory and motor coordination; 4) intellectual – conceptual, integrative and quantitative abilities; and 5) behavioral and social attributes. Each of these areas is described in this document.

In any case where a student's abilities in one of these areas are compromised, he or she must demonstrate alternative means and/or abilities to meet the functional requirements. It is expected that seeking and using such alternative means and/or abilities shall be the responsibility of the student. Upon receipt of the appropriate documentation, the school or college will be expected to provide reasonable assistance and accommodation to the student.

**Observation Abilities**

The student must be able to acquire a defined level of required knowledge as presented through lectures, laboratories, demonstrations, patient interaction, and self-study. Acquiring this body of information necessitates the functional use of visual, auditory, and somatic sensation enhanced by the functional use of other sensory modalities. Examples of these observational skills in which accurate information needs to be extracted in an efficient manner include:

Visual Abilities: (as they relate to such things as visual acuity, color vision, and binocularity):

- Visualizing and reading information from papers, films, slides, video, and computer displays
- Observing optical, anatomic, physiologic, and pharmacologic demonstrations and experiments
- Discriminating microscopic images of tissue and microorganisms
- Observing a patient and noting non-verbal signs
- Discriminating numbers, images, and patterns associated with diagnostic tests and instruments
- Visualizing specific ocular tissues in order to discern three-dimensional relationships, depth, and color changes

Auditory Abilities:

- Understanding verbal presentations in lecture, laboratory, and patient settings
- Recognizing and interpreting various sounds associated with laboratory experiments as well as diagnostic and therapeutic procedures

Tactile Abilities:

- Palpating the eye and related areas to determine the integrity of the underlying structures
- Palpating and feeling certain cardiovascular pulses

**Communication Abilities**

The student must be able to communicate effectively, efficiently and sensitively with patients and their families, peers, staff, instructors, and other members of the health care team. The student must be able to demonstrate established communication skills using traditional and alternative means. Examples of required communication skills include:

- Relating effectively and sensitively to patients, conveying compassion and empathy
- Perceiving verbal and non-verbal communication such as sadness, worry, agitation, and lack of comprehension from patients

- Eliciting information from patients and observing changes in mood and activity
- Communicating quickly, effectively, and efficiently in oral and written English with patients and other members of the health care team
- Reading and legibly recording observations, test results, and management plans accurately
- Completing assignments, patient records, and correspondence accurately and in a timely manner.

**Sensory and Motor Coordination Abilities**

Students must possess the sensory and motor skills necessary to perform an eye examination, including emergency care. In general, this requires sufficient exteroception sense (touch, pain, temperature), proprioceptive sense (position, pressure, movement, stereognosis, and vibratory), and fine motor function (significant coordination and manual dexterity using arms, wrists, hands, and fingers). Examples of skills required include but are not limited to:

- Instillation of ocular pharmaceutical agents
- Insertion, removal, and manipulation of contact lenses
- Assessment of blood pressure and pulse
- Removal of foreign objects from the cornea
- Simultaneous manipulation of lenses, instruments, and therapeutic agents and devices
- Reasonable facility of movement
- Injections into the adnexa of the eye or limbs

**Intellectual-Conceptual, Integrative, and Qualitative Abilities**

Problem solving, a most critical skill, is essential for optometric students and must be performed quickly, especially in emergency situations. In order to be an effective problem solver, the student must be able to accurately and efficiently utilize such abilities as measurement, calculation, reasoning, analysis, judgment, investigation, memory, numerical recognition, and synthesis. Examples of these abilities include being able to:

- Determine appropriate questions to be asked and clinical tests to be performed
- Identify and analyze significant findings from history, examination, and other test data
- Demonstrate good judgment and provide a reasonable assessment, diagnosis, and management of patients
- Retain, recall, and obtain information in an efficient manner
- Identify and communicate the limits of one's knowledge and skill

**Behavioral and Social Attributes**

The student must possess the necessary behavioral and social attributes for the study and practice of optometry.
Examples of such attributes include:

- Satisfactory emotional health required for full utilization of one's intellectual ability
- High ethical standards and integrity
- An empathy with patients and concern for their welfare
- Commitment to the optometric profession and its standards
- Effective interpersonal relationships with patients, peers, and instructors
- Professional demeanor
- Effective functioning under varying degrees of stress and workload
- Adaptability to changing environments and uncertainties
- Positive acceptance of suggestions and constructive criticism

Candidates with questions or concerns about how their own conditions or disabilities might affect their ability to meet these functional guidelines are encouraged to meet with an optometry school counselor prior to submitting an application.

## ACCOMMODATIONS

The University Of Pikeville, Kentucky College of Optometry is committed to providing students with disabilities equal access to all of its programs and services by providing reasonable accommodations, as governed by the Americans with Disabilities Act (ADA), as amended, §504, and KYCO policy.

All applicants and students should be familiar with KYCO's Functional Standards. If a current student or newly admitted student has historically been provided accommodations in school, he or she may wish to consider applying for reasonable accommodations at the University of Pikeville, Kentucky College of Optometry.

If a student receives a new diagnosis from a licensed medical professional or psychologist while studying at KYCO, and if reasonable accommodations are recommended by this provider, he or she may also wish to apply for accommodations at the University.

### Requesting a Reasonable Accommodation under ADA

Issues related to Academic Integrity, ADA policies and other individual requirements would follow the University of Pikeville, Kentucky College of Optometry policies and regulations. In order to be granted accommodations under Section 504 and ADA, students with disabilities must provide current and comprehensive documentation concerning the precise limitations resulting from the disability and the accommodations requested to address those limitations. No allowances will be made retrospectively to your notification.

Students do not have to discuss their diagnoses with their faculty members, however, unless they choose to. Students will be notified by the Disabilities Student Services Office, in writing, when a final decision is made to grant or deny a request for a reasonable accommodation.

The University of Pikeville, Kentucky College of Optometry reserves the right to verify the information provided by a student and to request additional information, as necessary, until a decision is reached by the Disabilities Student Services Office.

**Appropriate Documentation of a Disability**

In order to be recognized as eligible for accommodations through KYCO, a student with a disability must provide documentation on letterhead, signed by the appropriate licensed educational, mental health, or medical professional who is not related to the student and is licensed/certified in the area for which the diagnosis is made.

1. For learning disabilities in particular, documentation must be provided by a licensed/certified Educational Diagnostician, Educational Psychologist, or Professional Counselor. This information and documentation will assist the Disabilities Student Services Office in determining appropriate requests and reasonable accommodations.

2. Verification should be received by the Disabilities Student Services Office directly from the appropriate evaluating authority.

3. This process is mandatory unless waived in writing in advance by the Associate Dean of Academic Affairs.

4. The University of Pikeville Disabilities Student Services Office reserves the right to determine what, if any, accommodation should be offered.

All documentation must provide the following information:

- Date of the evaluation
- Specific description of the precise limitations resulting from the disability
- Prognosis for any change in limitations
- The evaluator's rationale for the recommended accommodation(s)
- Date of the re-evaluation

**Types of Accommodations**

Accommodations are evaluated and granted on a case-by-case basis. However, the University of Pikeville historically has provided the following reasonable accommodation to students who have been approved, in advance, to receive them:

- Extended time to take an examination
- The ability to take a written examination in a quiet environment
- Special classroom seating
- Peer note taker
- Tutoring Services
- Assistive listening device, e.g. FM system

The University of Pikeville Disabilities Student Services Office will notify the instructor of record of students who have been approved for testing accommodations and their needs at the beginning of each semester.

### Behavioral Concerns

The ADA does not excuse the inappropriate behavior of students. For example:

- A student is not qualified for accommodations if he/she cannot comply with the College's Code of Ethics or if he/she poses a serious risk of harm to others.
- An institution may discipline a student with a disability for engaging in misconduct if it would impose the same discipline on a student without a disability.
- Misconduct due to not taking prescribed medication does not have to be accommodated.

## ADMISSION INTERVIEW PROCESS

Candidates who have successfully met the required admissions selection criteria may receive an invitation to visit KYCO for an interview. This will allow the candidate to visit our campus, participate in a tour, meet campus leaders, and faculty. The interview will also give faculty additional time to assess both academic and non-academic qualifications.

Candidates chosen for on-site interview, will receive a link that will enable them to choose a day and time that fits their needs. All students who have selected an interview slot must communicate with the school if for any reason they cannot attend or have chosen not to attend.

## NOTICE OF ACCEPTANCE

Applicants may be notified of his or her acceptance as early as the week following their in-person interview at Kentucky College of Optometry. Upon receipt of the letter of acceptance, applicants have a certain time period to either accept or decline their place in the entering class. Those who accept must do so by submitting a matriculation form, along with a $500 matriculation fee, which is applied to the tuition fee. An additional $500 deposit will be due on March 31st. This deposit is non-refundable; therefore, accepted students are advised to send a deposit only after they have made a final decision about attending the University of Pikeville, Kentucky College of Optometry. Students must notify the Office of Admissions at (606) 218-5257 or at kycoadmissions@upike.edu if they wish to relinquish a reserved place in the entering class.

## INTEGRITY

Prospective students seeking admission to KYCO are expected to demonstrate integrity and professionalism throughout the application and matriculation process. Any intentional misrepresentation, falsification, or omission of requested application and matriculation information is reason for rejection or dismissal. KYCO reserves the right to deny admission to any

applicant for any reason it deems sufficient. Further, matriculation will be denied to applicants who have failed to maintain a good record of scholastic performance and personal conduct between the time of their acceptance and their matriculation at KYCO.

# ~ Tuition, Fees, Refunds ~

## TUITION

Tuition for the Kentucky College of Optometry will be $43,000 for the 2020-2021 year. The cost of attending a four-year Doctor of Optometry program varies greatly from school to school. For KYCO, the cost of attending is inclusive of many benefits not provided at other institutions.

Tuition is billed by semester. Tuition payments are due at the time of invoicing unless special payment arrangements have been made with the University of Pikeville Business Office. Tuition payments for students with financial aid are processed by the University of Pikeville Business Office.

Tuition is subject to change annually. The University reserves the right to change the schedule of tuition and fees without advance notice and to make such changes applicable to current as well as future students.

## FEES

### Matriculation Fee

A nonrefundable fee of $500 is payable to KYCO after a student has been accepted in order to confirm his/her placement in the entering class. This fee is then credited toward payment of tuition upon enrollment.

### Transcript Fee

The University of Pikeville charges a fee for each transcript requested. Please allow up to two business days for all methods of processing.

- eTranscript processing: $10 per copy
- Paper Transcript – Pick-Up: $10 per copy (all copies picked up will be stamped "Issued to Student"
- Standard Domestic Mail: $12 per copy ($10 copy fee plus $2 standard mail fee)
- International Mail: $13 per copy ($10 copy fee plus $3 standard mail fee)
    - Expedited processing:
      > FedEx Overnight Domestic: $35 ($10 copy fee plus $25 overnight fees)
      > FedEx International Priority: $50 ($10 copy fee plus $40 international fees)

## TUITION REFUND POLICY

Tuition is billed by semester for enrolled students. No part of the tuition will be refunded to a student who withdraws for any reason after the fourth week of the beginning of an academic semester for first year, second year, third year, or fourth year optometry students. For first year students, the first week of the semester for tuition purposes consists of the required orientation program. A withdrawal is defined as a student dropping down to zero hours in a given semester. It will be strongly encouraged that students who are receiving financial assistance meet with the Office of Student Financial Services before withdrawing or taking a Leave of Absence to discuss the financial consequences.

A tuition refund, if applicable, requires prior written notification of withdrawal from the institution. A withdrawal affects both a student's bill at the University, as well as any financial aid the student may have received. Tuition refund from the University of Pikeville – Kentucky College of Optometry will be prorated as follows:

- 100 percent during the first week of an academic semester;
- 75 percent during the second week of an academic semester;
- 50 percent during the third week of an academic semester;
- 25 percent during the fourth week of an academic semester; and
- 0 percent after the fourth week of an academic semester.

# ~ Financial Aid~

## FINANCIAL AID

Financial aid will be processed through the Office of Student Financial Services. Financial aid counseling and assistance is provided to optometry students in regards to all aspects of financial aid and options available to help fund the cost of their education.

Although the Student Financial Services Office assists KYCO students with funding for their education, the student is primarily responsible for securing this financing. This means such things as supplying personal or family documentation and ensuring that a student qualifies for loans by having a favorable credit report. All documents requested must be received before financial assistance will be processed.

Upon admission to KYCO all students should contact the Office of Student Financial Services. The office will assist students with their borrowing needs, advise them of the financial aid application process, and familiarize them with the types of assistance available. Financial aid and debt counseling information designed specifically for optometry students will be shared periodically by the Student Financial Services Office. Students may also schedule an appointment to meet individually at any time to review these items.

During schooling, most students are required to live at a modest level. The federal agencies that make funds available for borrowing do so with the understanding that students who receive financial loans should maintain modest living costs. Financial aid that is offered under federal programs cannot exceed the KYCO standardized student budget. Funds are allowed for a student's educational costs and for reasonable, approved personal living costs while he or she receives an education. Students must manage their financial aid funding prudently to make it work comfortably.

Every student applying for federal financial aid must file the Free Application for Federal Student Aid (FAFSA) so that the Student Financial Services Office can assess aid eligibility. The FAFSA should be filed as soon after October 1st as possible each academic year. Additional documents may be required as determined by the Office of Student Financial Services. Students may complete the Master Promissory Note and Entrance Counseling as well as check the status of their loans through Web Advisor on the UPIKE student portal.

The University of Pikeville, Kentucky College of Optometry students will be kept informed of any changes or updates regarding financial aid through their university email, printed materials, and/or the financial aid website for the University of Pikeville.

## SCHOLARSHIPS AND GRANTS

Scholarships generally do not have to be repaid and are awarded based upon academic performance, financial need, or other criteria specifically outlined. Contract scholarships normally require a service commitment after graduation for a specific number of years. Please note that if a student signs a service commitment scholarship while enrolled, he or she may not be able to participate in certain state or federal loan repayment programs after graduation. To be eligible to participate in most loan repayment programs, prior commitments must be fulfilled by service or repayment plan.

Students are responsible for researching external scholarship opportunities and should provide the University of Pikeville a copy of the scholarship payment information, if one is awarded. These scholarships will be added to the student pending financial aid when information is provided.

### Military Health Professions Scholarships (HPSP)

The United States Military offers competitive scholarships for full tuition and required fees plus a monthly stipend through the Air Force, Army, and Navy. HPSP scholarship recipients are commissioned as officers and are required to serve in the military for a specific period of time, depending upon the number of years the recipient received the HPSP scholarship. Applications and additional information are available online or directly from local Army, Navy, and Air Force recruitment offices, which are located throughout the United States.

## DEBT COUNSELING

The University of Pikeville Student Financial Services office offers a variety of information to assist in locating additional financial aid resources and adapting new financial skills. Information conveyed may include, but not limited to budgeting tips, loan repayment strategies, scholarship opportunities, and financial calculators.

All University of Pikeville, Kentucky College of Optometry students who receive loans are required to complete an Entrance Loan Counseling Session before the loan will be disbursed. This will be an online loan counseling session designed to help the borrower understand his/her rights and responsibilities as they pertain to loan borrowing. First time Kentucky College of Optometry student borrowers must also complete a Master Promissory Note.

Federal Direct Loan Exit counseling is also required for all graduating students that have received loan funds while attending the University of Pikeville, Kentucky College of Optometry. The purpose of the exit interview is to review repayment schedules, as well as repayment options available to students. If a student has not completed the required exit counseling, a hold will be placed on the student’s graduation and they will be unable to receive their diploma.

Students will be advised of the impact of defaulting on a student loan. Default is the failure of a borrower to make an installment payment when due or to meet other terms of the promissory note. If this happens, it is reasonable to conclude that the borrower no longer intends to honor the

obligation to repay. Defaulted loans are reported to national credit agencies, thus affecting credit ratings and future ability to borrow money. KYCO encourages students to borrow responsibly, budget prudently and limit living costs.

Loan Repayment Programs are programs sponsored by national, state, and local governments and some private organizations, where professionals are recruited to practice in designated professional shortage areas. Participants may be provided with living stipends and funds to repay educational loans. Individual programs and contract information should be consulted for specific time commitments, as well as possible benefits.

## STUDENT LOANS

### Federal Direct Loans

The primary loan source for students is the Federal Direct Loan program. The following are maximum borrowing amounts for this program:

- Federal Direct Unsubsidized Loan:
    - Annual limit $40,500 - $47,167
    - Repayment begins 6 months after graduation, withdrawal or if you drop below half time enrollment
    - Fixed rates
    - Origination fee may be deducted from your loan prior to each disbursement
    - Not based on financial need
    - Cumulative debt – $224,000

- Federal Graduate Plus Loan:
    - Cost of education less financial aid per year
    - Student should borrow direct unsubsidized loan first
    - Credit-based - no adverse credit history
    - May require a cosigner
    - Fixed rates
    - Not based on financial need

The amount a student can borrow is based on criteria defined by U.S. Department of Education, the KYCO standardized student budget, and student’s level of federal loan indebtedness.

### Alternative Loans

Alternative loans are private loans made through private lending institutions (banks, credit unions, or other private educational lenders) and are not part of the federal government guaranteed loan programs and are not based on financial need. They are typically credit-based and may require a cosigner. Interest rates may vary (possibly without a cap) based upon the lender as well as credit eligibility. With some lenders students who qualify without a cosigner may lower their interest rate and/or origination fee if a cosigner is added to the loan. Interest is typically not subsidized and begins accruing upon disbursement; however, the borrower may have the option to pay the interest during enrollment or to allow it to accrue. The loan amount may be up to the cost of attendance minus other financial aid. Loan fees may be deducted from the loan proceeds prior to disbursement. It is recommended that students do careful research on lenders before deciding to choose the loan that best suits their needs. Borrowing from an alternative loan program should only be used when all other federal loan options have been exhausted.

## SATISFACTORY ACADEMIC PROGRESS

KYCO complies with the federal requirement that all students who receive financial assistance from Federal Student Aid funds must maintain satisfactory academic progress toward attainment of their degree.

KYCO students are expected to make continuous and successful progress through KYCO's four-year program of study to satisfactorily complete their degree. Satisfactory academic progress guidelines to maintain financial aid eligibility follow the academic policies of KYCO and the academic oversight provided by the KYCO Academic Standards Committee (ACS). Students are expected to maintain term and cumulative grade point averages of at least 2.00. Students on probation will remain on probation for a minimum of one semester. Students placed on probation are required to achieve a semester and cumulative grade point average of 2.00 or higher in the subsequent semester to avoid financial aid suspension.

If a student is placed on financial aid suspension, they may appeal this decision. A student appeal should be sent to the Office of Student Financial Services and should outline the extenuating circumstances that contributed to the poor performance. Examples of extenuating circumstances are personal injury/illness, death in family, etc. If the student appeal is approved, the student will be placed on a one semester probationary status.

For KYCO students, the maximum time frame for financial aid eligibility is six years. A KYCO student may need additional time to complete the curriculum due to academic or personal situations, fellowships, or other circumstances. Certain circumstances, such as an approved leave of absence may be excluded from the maximum six-year time frame allowed for financial aid eligibility. The Office of Student Financial Services will notify students who are ineligible for continued assistance and will provide them with information regarding their repayment status. Students who are beyond the six-year maximum time may consult with the Office of Student Financial Services for other funding options.

**Return of Title IV Funds**

As a requirement set forth by the Department of Education, the Office of Student Financial Services is required to return a percentage of federal financial aid that was disbursed to students who have withdrawn or taken a Leave of Absence from the University of Pikeville, Kentucky College of Optometry prior to competing 60% of the semester. The amount of aid returned is determined by the following formula:

Number of calendar days attended ÷ Total calendar days in the semester = % of aid "earned"

Earned aid is kept on the student account. Any "unearned" aid must be returned to its source or be repaid by the student. Federal loans, scholarships, grants, private loans, and any other aid may be reduced or completely removed from the student's account based on this calculation.

# ~ Academic Information & Policies ~

# ACADEMIC INFORMATION & POLICIES

All students at the University of Pikeville, College of Optometry are responsible for and expected to be familiar with the academic policies and procedures outlined in this catalog. The Kentucky College of Optometry is committed to the success of each student enrolled. The professional doctor of optometry program is a four-year program. The primary responsibility to sustain academic achievement and maintain good academic standing lies with the student; however, the Kentucky College of Optometry will facilitate academic support measures and set policies and procedures to assist students with academic and clinical difficulties. It is understood that there may be times when students fail to perform academically to the standards desired by the faculty, administration, and national boards. Each situation is unique and will be evaluated on a case-by case basis with an emphasis on early intervention support, when possible.

## Academic Advising

The Graduate and Health Professions Student Affairs office (GHPSA) provides advising services and assigns faculty advisors to all optometry students. GHPSA staff and faculty advisors work with students to facilitate their success in optometry school. Students may elect to choose and/or switch advisors. Resources including time management, planning and tutoring, study skills assessments, and individual advising sessions are available to help students in their academic success.

## Student Course Load

A normal load for any semester of enrollment is expected to be a full-time student (12 or more semester credit hours).

## Course Credit

Academic credit is awarded in terms of semester credit hours. The Kentucky College of Optometry (KYCO) utilizes this formula to determine a credit hour:

15 hours lecture = 1 credit
30 hours of lab = 1 credit
45 hours of clinic care = 1 credit

The basis for awarding credit is consistent with the guidelines of the American Association of Collegiate Registrars and Admissions Officers (AACRAO) [Lauren, Barbara (2006) *The Registrar's Guide: Evolving Best Practices in Records and Registration*, page 24.]

## Reporting of Final Grades

Student test, quiz, and lab scores are posted in the learning management system (i.e. Canvas) throughout the term. Final term course grades will not be posted until they become official in Web Advisor or Student Planning.

## GRADING SYSTEM

Kentucky College of Optometry uses a plus/minus (+/-) letter system of grading as indicated below:

| Percentage | Grade | Quality Points | Definition |
|---|---|---|---|
| 93.00 - 100% | A | 4.00 | Excellent Performance |
| 90.00 – 92.99% | A- | 3.70 | |
| 87.00 – 89.99% | B+ | 3.30 | Good Performance |
| 83.00 – 86.99% | B | 3.00 | |
| 80.00 – 82.99% | B- | 2.70 | |
| 77.00 – 79.99% | C+ | 2.30 | Satisfactory Performance |
| 73.00 – 76.99% | C | 2.00 | |
| 70.00 – 72.99% | C- | 1.70 | Requires Academic Standards Committee review |
| 67.00 – 69.99% | D+ | 1.30 | Below Standard |
| 63.00 – 66.99 | D | 1.00 | |
| 60.00 – 62.99% | D- | 0.70 | |
| Below 60% | F | 0 | |
| | AU | N/A | Audit |
| | H | N/A | Honors – Exceeds expected clinical performance based on student level in the program |
| | I | N/A | Incomplete – Must be resolved according to definition below |
| | P | N/A | Pass – Demonstrates satisfactory performance based on student level in the program |
| | W | N/A | Withdrawal – Authorized withdrawal from the program before the end of the semester |

### Auditing (AU)

Permission for course auditing may be granted by the Associate Dean of Academic Affairs and the instructor of record (course director) for a period not to exceed one semester. Auditors may be assessed a reduced tuition fee. With audited classes, no credit is granted and a designation of “AU” will be assigned on the transcript. Financial Aid is not available to students auditing.

**Incomplete (I)**

This status is applied only when the work of the course is substantially completed, and the student is passing at the time of the Incomplete. When an Incomplete is assigned, the Graduate and Health Professions Student Affairs office will maintain information regarding the reason for the Incomplete, as well as stipulations for course completion. A grade of "I" may also be assigned due to personal illness, hospitalization, or leave of absence approved by the Associate Dean of Academic Affairs or designee of the Dean. "I" grades must be resolved according to the deadlines set by the instructor of record but may not exceed 60 days after the Incomplete was given. Otherwise, the "I" grade may be converted to a grade of "F" if those deadlines or alternate conditions set forth by the Associate Dean of Academic Affairs have not been met, unless the student was given prior written exception by the instructor of record (Incomplete Request Form, Appendix I, p. 72).

**Withdrawal (W)**

A student may withdraw from the University of Pikeville - Kentucky College of Optometry at any time. A student may not withdraw from a single course and must withdraw from an entire semester. A student considering withdrawal should consult with the Academic Affairs and Graduate and Health Professions Student Affairs office for guidance. This status is given automatically when the student, with the approval of the Associate Dean of Academic Affairs (or other designee of the Dean), officially withdraws from the program. Withdrawal must be stated in writing and exit forms completed through the Graduate and Health Professions Student Affairs office to avoid forfeiture of refunds and ineligibility for future readmission. A grade of "W" will be entered into the student's transcript. Failure to complete exit documentation will result in grades of "F" for current courses and suspension of college services, as outlined above in the Academic Dismissal section. A "W" (Withdrawal) may also be assigned due to an extended leave of absence approved by the Associate Dean of Academic Affairs.

**Determination of Grade Point Average**

Grade point average (GPA) is calculated and recorded at the conclusion of the fall, spring, and summer semesters. The GPA represents the total quality points earned divided by the total semester hours attempted. Letter grades are assigned quality points according to the above scale then multiplied by the semester hours of credit for each individual course, and adding these individual course values for a summative total. Students are expected to maintain term and cumulative grade point averages of at least 2.00.

**Student Grievances and Appeals of Final Grade**

Students should first attempt to resolve disputes concerning grading, course work, clinic or other academic policies at the level at which the dispute occurred (instructor of record, clinic supervisor, etc.) A student may appeal a grade if he/she believes it is in error. The initial appeal to a final grade must be made in writing to the instructor of record within five (5) business days of the final grade being officially posted in Web Advisor/Student Planning. In the event that the instructor of record is unavailable to change a grade, or if a student wishes to appeal a decision the student must

contact the Associate Dean for Academic Affairs in writing who will review the case and make a final decision within five (5) business days. All official communications about grade appeals will be sent to students by electronic mail (with delivery confirmation) so that a record of delivery exists, and appropriate faculty members will be similarly notified. No grade appeal, under any circumstance, will be accepted from a third party, including students' parents. This policy conforms to the privacy requirements outlined in the Family Educational Rights and Privacy Act of 1974 (FERPA). See the section on "Student Educational Records and Student Confidentiality" below for more information about FERPA. The Associate Dean for Academic Affairs' decision is final.

**Below Standard Didactic/or Clinical Performance**

At the end of each semester, the Academic Standards Committee (ASC) will review the performance of any student receiving a grade below 73.00%. The ASC will meet with the student, and following the discussion, a recommendation will be created in conjunction with the Associate Dean for Academic Affairs (ADAA) for didactic courses or the Assistant Dean for Clinical Affairs (ADCA) for clinical courses. The recommendation may include but is not limited to remediation, repeat the semester or academic year, or dismissal from the program. The ADAA and ADCA will make the final decisions and create the decision letters to be provided to the students in question.

**Remediation**

The Academic Standards Committee may recommend the process of remediation for any student who receives a grade of 'C-' or less in any course or term. If remediation is recommended by the Academic Standards Committee, it should be completed within one consecutive term following the term in which the grade of 'C-' or less was earned. During the term immediately following the term in which a grade of 'C-' or less was earned, the student will be placed on academic probation for not obtaining satisfactory academic progress. Upon successful completion of any remediation, the student's academic transcript will be changed to a grade of "C" or "P", whichever is appropriate for the remediated course. The initial grade will still be noted on the transcript but will not be used for calculating the cumulative grade point average.

Failure to complete remediation within the consecutive academic term following the term in which the grade of 'C-' or less was earned may result in ineligibility for the continuance of financial aid and may be subject to further corrective actions by the Academic Standards Committee, up to and including dismissal from the program. Students may appeal the loss of financial aid to the Office of Student Financial Services.

The remediation process is determined by the course director and overseen by the Associate Dean of Academic Affairs or the Assistant Dean for Clinical Affairs as appropriate. Remediation may require the student to participate in activities such as meeting with the course director/instructor(s), lectures and reviews, self-study of the course materials, laboratory assignments, clinical assignments and/or other assignments. Faculty participating in remediation

are required to establish defined mechanisms of bi-directional communication with the remediating student. This means of communication should be used to offer guidance and assistance to aid the student with their studies as well as to allow the student to communicate a need for assistance or to clarify objectives. All assessments pertaining to remediation performance will be reviewed by the ADAA or ADCA at least one week prior to its administration, and the assessment(s). The materials will be reviewed for approval by the ADAA or ADCA prior to its administration and must be administered for evaluation of the remediating student's performance within three (3) business weeks following the final grade submission. A score of 73% or in accordance with normal assessments, will be required on all remediation assessments to pass remediation.

**Repeating a Course**

The Academic Standards Committee may recommend that a student who receives 'C-' or less in a course may be required to repeat the course, semester, or entire year to continue in the program. The student will be placed on academic probation until the requirements for removal are satisfied. A student can only repeat a course or semester one time. Both the initial and repeated grade will be recorded on the transcript. The repeated grade will be used for calculating the cumulative grade point average.

**Academic Probation**

The Associate Dean of Academic Affairs or other designee of the Dean, in conjunction with the Academic Standards Committee (ASC), may determine that a student's level of cumulative performance is found to be substantially deficient such that academic probation may be necessary. Students will be placed on academic probation when any of the following occur:

- The semester or cumulative grade point average is below 2.00.

- The student receives 'C-' or less in a course regardless of cumulative grade point average.

Reasonable efforts will be made to contact the student regarding academic probation. However, published academic standards allow the student to easily determine their academic status, regardless of official notice received. Any student that has questions regarding their academic status may directly address these concerns with the office of Graduate and Health Professions Student Affairs.

Receipt of a grade 'C-'or less in any course triggers a review by the ASC. The student may not advance in the program and his/her continued enrollment will be carefully reviewed by the ASC who will consider the student's overall academic performance in conjunction with the ADAA or ADCA as appropriate. The ASC will handle each student's performance on an individual basis and the Committee will formulate a recommendation for appropriate remediation which will be forwarded to the ADAA or ADCA. The ADAA or ADCA will make the final decisions and create the decision letters to be provided to the students in question.

After a course of action is determined, any remediation schedule will be set by the ADAA or ADCA in communication with any other individuals as designated by the Associate Dean of Academic Affairs. Specific academic performance standards may be set for students on probation, in addition to the required policy. A student being placed on academic probation may not hold office in any student organization, be a class officer or representative, serve on any committees, and requires permission to maintain current membership or obtain new membership in any student organization from the office of Graduate and Health Professions Student Affairs. Furthermore, such students will not be eligible to seek permission for approval to partake in any external events such as SVOSH mission trips nor will absences be excused for any professional conferences or extracurricular activities that occur during scheduled class time.

**Removal from Academic Probation**

A student on academic probation will remain on probation for a minimum of one semester. Students placed on academic probation are required to achieve a semester and cumulative grade point average of 2.00 or higher in the subsequent semester to avoid possible academic dismissal. If a student receives a grade of 'C-' or less while on academic probation, the student's performance will be reviewed by the Academic Standards Committee and may recommend further action including dismissal.

To be removed from academic probation, the student's performance will be reviewed by the ADAA to determine if all probationary requirements have been met. If the student achieves a 2.00 or higher the succeeding semester and meets all probationary requirements set forth, he/she will be removed from academic probation.

**Academic Dismissal**

If a student's academic or clinical deficiencies are judged irremediable by the Academic Standard Committee (ASC), the student may be subject to dismissal. In addition, multiple non-sequential terms of academic probation may lead to dismissal. However, students will be eligible for dismissal when any of the following occur:

- The student earns multiple 'C-' or less grades for any semester regardless of cumulative grade point average;
- After being placed on academic probation, the student achieves less than a 2.00 semester grade point average for the succeeding semester;
- After being placed on academic probation, the student achieves less than a 2.00 cumulative grade point average for the succeeding semester;
- After being placed on academic probation, the student receives a grade of F in any course;
- A second 'C-' or less grade occurs in the same course.

The student who is ineligible to continue will receive a notification of dismissal from the ADAA

or ADCA, as appropriate. Any student who is subject to dismissal may choose to meet with the Dean to appeal the dismissal. This process is initiated by contacting the originator of the dismissal letter within ten (10) school days of the date of the letter. Details of the appeals process are outlined in the "Appeals Process" section of this Catalog. Any student who is dismissed must complete exit forms through the office of Graduate and Health Professions Student Affairs to avoid subsequent academic penalties. Failure to do so will result in suspension of college services, such as transcript generation and release, letters of academic standing, or forfeiture of any refund.

Academic dismissal precipitates the following consequences: the Registrar's Office cancels future registration and authorizes any appropriate refunds, the University's Student Financial Services office suspends financial aid, and the Office of Global Education performs duties required by U.S. federal regulations pertaining to international students. Additionally, all ophthalmic, medical, and technical equipment provided for the student as part of the KYCO advantage must be returned to the office of Graduate and Health Professions Student Affairs. Students memberships also included in the KYCO advantage will be inactivated.

**Appeal Process**

The appeal process is initiated by contacting the originator of any academic decision letter within ten (10) school days of the date of the letter. This appeal will be forwarded to the Dean. Appeals will only be heard in the following cases: alleged errors in process; or the penalty of the decision is excessive; or discovery of new information. The office of Graduate and Health Professions Student Affairs will serve as the student's guide through this appeal process. The Dean will consider such factors as, but not limited to, the student's overall prior academic performance, clinical proficiency, ability to meet the obligations and demands of the profession, et cetera, to determine what is in the best interest of the student. Among other options, the Dean may require the student to 1) repeat a portion of the academic year in which the failure(s) were received; 2) repeat the entire academic year in which the failure(s) were received; or 3) repeat one or more academic years, to achieve necessary competency. The requirements for reinstatement may also stipulate that the reinstated student meet higher academic standards than students completing the coursework for the first time. The Dean's ruling is final and there are no further avenues for appeal. It is important to note, these appeals are not legal in nature; therefore, legal representation is not allowed. However, upon request, a personal advisor may be permissible.

**Reinstatement**

A student dismissed for academic reasons, may appeal to the Dean for reinstatement as described above. Any reinstated student shall remain on academic probation for the semester of reinstatement and must meet all policy and special requirements outlined for re-enrollment, including maintenance of a minimum GPA of 2.00 in the first semester of reinstatement unless maintenance of a higher minimum GPA is established by the Dean. Only the grade received on the final attempt will be used in the calculation of the cumulative grade point average; however, the student's transcript will show all attempts and will indicate that the course was repeated. It is the policy of KYCO that the professional curriculum will not be modified to accommodate a remedial plan, nor does the College support a reduced class load. Reinstated students are subject

to all fees and are charged the normal tuition rate for repeating previously completed courses.

## ACADEMIC DISTINCTIONS

### Good Standing

To remain in good academic standing, the minimum standard is a semester and cumulative GPA of 2.00. A student who maintains this standard, and is not on probation or subject to professional or clinical misconduct, is considered to be in good standing.

### Dean's List

The Dean's list recognizes students whose term grade point average is 3.50 or higher. Recipients of this distinction will be recognized by the Dean following the semester in which they qualified. The semester final grades from each Dean's List recipient are annotated, as well as the student's permanent academic record at Kentucky College of Optometry. Students who earn a grade of F, W, or I during the semester are excluded from consideration for the Dean's List. Students on academic probation will also not be eligible.

### Scholastic Honors

Graduation honors, Cum Laude (3.50 GPA), Magna Cum Laude (3.70 GPA), or Summa Cum Laude (3.90 GPA), will be bestowed upon Kentucky College of Optometry graduates who meet the established academic qualifications. These graduation distinctions are awarded to Kentucky College of Optometry graduates who have achieved above-average and superior academic performance. Additionally, the graduating class Valedictorian and Salutatorian will hold, respectively, the highest and second-highest overall cumulative grade point average in the class. In the case of a valedictorian tie, a co-valedictorian award will be granted to the tying individuals, and a salutatorian designation will also be assigned for that graduating class. In the case of a salutatorian tie, a co-salutatorian award will be granted, in addition to the normally assigned valedictorian award.

# University of Pikeville
# Academic Integrity Policy
# 2020-2021

## Academic Integrity

The University of Pikeville is an academic community, and like all other communities, it can function properly only if its members adhere to clearly established goals and values. Essential to those goals and values is the commitment to the principles of truth and academic integrity. In order to articulate fully its commitment to academic integrity and to protect members of its community from the results of dishonest conduct, the University of Pikeville has adopted the following policies to address cases of academic dishonesty. Academic dishonesty includes, but is not limited to, the following acts:

1. **Cheating:** Intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise and/or claiming such material as one's own work product. The unauthorized receipt of or attempt to obtain answers or assistance during an examination or other gradable activity or event from another student or from an unauthorized device (phone, tablet, computer, etc.).

2. **Plagiarism:** Intentionally or knowingly taking another's ideas, work, or words as one's own without properly documenting or crediting the original source in any academic exercise and/or using these ideas, words, or statements in a paper or presentation without properly documenting or crediting the original source.

3. **Fabrication:** The deliberate falsification or invention of any information or citation in an academic exercise.

4. **Facilitating Academic Dishonesty:** Intentionally or knowingly helping or attempting to help another individual violate any provision of this policy.

5. **Unauthorized Acquisition of Materials:** The unauthorized receipt or attempt to obtain unauthorized examination questions/answers either for personal use or distribution to others.

6. **Unauthorized Assistance:** Attempting to give answers, receive answers, or assistance to another student during an examination or other academic exercise without authorization.

7. **Academic Falsification:** Any attempt to falsify grades and/or data results.

8. **Academic Interference:** Any attempt to interfere with another student's outcome on an academic exercise or clinical performance.

9. **Failure to Report:** Failing to report known violations of the Academic Integrity Policy.

10. **Unapproved Collaboration:** Collaborating on any assignments such as homework, notes, take-home exams, draft papers, or projects in which the instructor does not allow collaboration.

If a violation of the Academic Integrity Policy is determined to have occurred, sanctions will be imposed upon the individual consistent with the nature, circumstances, and severity of the offense. Possible sanctions may include the following actions:

1. A written and/or verbal warning;

2. The requirement of additional academic integrity training;
3. A grade reduction for the academic exercise;

4. The assignment of an "F" or zero for the academic exercise;

5. A failing grade in the course with the inability to withdraw;

6. Dismissal from the university (automatic for repeat substantiated incidents of academic dishonesty); or

7. Other sanctions deemed appropriate by individual colleges.

All cases will be addressed through the procedure outlined in the University Catalog and the Student Handbook.

*Policy Updated: May 2020*

## STUDENT EDUCATIONAL RECORDS & CONFIDENTIALITY

### Family Educational Rights & Privacy Act (FERPA) Policy

The University of Pikeville's policy with respect to its student educational records adheres to the requirements and regulations of the Family Educational Rights and Privacy Act. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are "eligible students."

Education records are records that are directly related to a student, maintained by an educational agency or institution, or by a party acting for the agency or institution. Record means any information maintained in any way, including, but not limited to: handwriting, video, audio tape, computer media, film, print, microfilm and microfiche.

The Family Educational Rights and Privacy Act (FERPA), (20 U.S.C. § 1232g; 34 CFR Part 99), is a federal law that protects the privacy of student education records. FERPA places limitations on the disclosure of personally identifiable information maintained by University of Pikeville with respect to students and limits access to educational records; including the right to inspect and review; right to consent to disclosures, with certain exceptions; the right to obtain copies; the right to seek amendment or correction of such records through informal and formal internal procedures; and the right to place a statement in such educational records explaining any information which the student believes to be inaccurate or misleading.

In accord with FERPA regulations, the University of Pikeville holds certain information to be "directory information," and therefore, subject to disclosure without prior consent from the student. Unless written objection is received no later than 30 days from the commencement of the academic year, the University of Pikeville designates the following items as directory information:

- Student's Name
- Address
- Electronic mail address (UPIKE only)
- Telephone listing
- Date and place of birth
- Photographs
- Major field(s) of study
- Dates of attendance
- Enrollment Status (full-time; part-time, undergraduate, graduate, professional)
- Most recent previous school attended
- Degrees awarded
- Classification/Grade Level
- Name of the undergraduate, graduate, and/or professional school attended
- Participation in officially recognized activities and sports
- Weight and height of athletes
- Honors and awards received

Educational records may be disclosed to school officials (administrators, staff, faculty, coaches, individuals and/or organizations to whom the University has contracted or are conducting studies on behalf of the University for services, studies, or research) who have a "legitimate educational interest" in the student without prior consent of the student. "School official" is defined by the Department of Education as the following:

- Person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff)
- Person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, or collection agent)
- Person serving on the Board of Trustees; and/or
- Student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks

A school official has a "legitimate educational interest" if a review of a student's record is necessary to fulfill the official's professional responsibilities to the University. School officials may have legitimate educational interests both in students who are currently enrolled and in those no longer enrolled.

If a significant threat to the health or safety of a student or other individual is determined, university personnel may disclose information from education records to any person, including parents, whose knowledge of the information is necessary to protect the health or safety of the student or other individuals. University personnel must maintain a record of the significant threat that formed the rational basis for the disclosure.

Other exceptions to education records include: sole possession records, records created and maintained by a law enforcement unit for a law enforcement purpose, employment records (unless contingent on attendance), medical records made and maintained in the course of treatment and disclosed only to those individuals providing treatment, records that only contain information about a student after he or she is no longer a student at the University of Pikeville (i.e. alumni records).

Objections must be in writing, signed and dated by the student, and be directed to the University of Pikeville Registrar's Office. Complaints regarding alleged violations of rights accorded students by the Family Educational Rights and Privacy Act may be directed to: Family Policy Compliance Office U.S. Department of Education, 400 Maryland Ave. S.W., Washington, D.C. 20202-8520. For additional information: http://www.aacrao.org.

**Confidentiality of Grades**

Grades of individual students, in any identifiable format, may not be published or posted. This prohibition includes the listing of grades by social security number or UPIKE ID number. This does not preclude the posting of the grade distribution for a course by the instructor as long as

grades are not identified by student. All persons with access to grades must not divulge individual student grades to anyone either verbally or in written form.

School officials with legitimate educational interests may have access to educational records, without the student's consent, if the record is needed in order to fulfill his or her professional responsibilities. School officials are identified as: a person employed by the University in an administrative, supervisory, academic or research, or support staff position, a person or company with whom the University has contracted, a person serving on the Board of Trustees, a student serving on an official committee, or assisting another school official in performing his/her tasks.

**Submission of Grades**

Instructors submit grades to the University Registrar electronically using Web Advisor or Student Planning. Supplemental grades such as 'I' (Incomplete) grades must be submitted on an official *Request for Grade Change* form. The instructor and the Associate Dean of Academic Affairs must sign grade changes before submission to the Registrar's Office.

**Inspection and Review of Records**

Students may inspect and review his/her education records upon written request to the University Registrar.

The University Registrar will comply as soon as possible. Under the law this must be donewithin forty-five (45) business days after the request. The student has the right to review and inspect their official records, files, and data, including all materials incorporated in their cumulative record, except the following:

- confidential evaluations and letters of recommendation filed before January 1, 1975;
- evaluations and recommendations after January 1, 1975, if the student has waived his/her right to see them;
- financial records and statements of his/her parents;
- those documents classified by the law as non-educational.

**Amendments to Student Record**

The student may request an amendment to the educational records if they believe they are inaccurate or misleading. An amendment of the educational record does not pertain to the grades assigned by faculty. The student should write to the University Registrar to request the amendment. The request must clearly identify the portion of the record he/she wants changed, specifying why it is inaccurate or misleading.

If the University does not amend the record as requested, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

## Retention of Records

The University Of Pikeville - Kentucky College of Optometry adheres to the American Association of Collegiate Registrars and Admissions Officers standards for the retention of records. Details on the length of time each document is maintained is available from the Registrar's Office.

Complaints regarding alleged violations of rights accorded students by the Family Educational Rights and Privacy Act may be directed to:

Family Policy Compliance Office
U. S. Department of Education
400 Maryland Avenue S.W.
Washington, D.C. 20202-8520

## Withholding Grades/Transcripts

The College will withhold term grade reports, enrollment verifications, and/or transcript requests should any student have "unmet official college business". Such unmet official college business may include, but not be limited to, unpaid fines, overdue library books, or failure to complete assigned requirements, such as completion of course surveys. Students who wish to appeal a course grade should contact the instructor of record in writing within the one week after grade reports have been issued.

## Transcript of Record

In order to comply with the Family Educational Rights and Privacy Act (FERPA) and the policies of the University of Pikeville Registrar's Office, transcripts may only be requested through an online process.

Requests for transcripts must be made electronically via the University of Pikeville's web page (www.upike.edu). From the home page, the search bar is located in the upper-right. Type the word Transcript. Read and follow the instructions. You must create an account or use an existing account in order to request a University of Pikeville transcript.

The University will exercise the right to withhold the transcript of any student with outstanding financial obligation to the University.

All questions regarding this process may be directed to the Registrar's Office at (606) 218-5260 or registrar@upike.edu.

## GRADUATION REQUIREMENTS

In order to graduate from Kentucky College of Optometry, with a Doctorate of Optometry, all students must:

- Successfully complete the 170.00 (subject to change) credit hours of Optometry curriculum;
- Maintain a cumulative grade point average (GPA) of 2.00 or higher, without unresolved failing grades or probationary status*;
- Fulfill all didactic and clinical requirements with six years of enrollment;
- Pass the National Board of Examiners in Optometry Part I (Applied Basic Science) Exam;
- Settle all financial obligations to the University of Pikeville;
- Receive recommendation for graduation from the ADAA, ADCA, and ADGHPSA, upon approval of the Dean, for satisfactory completion of above requirements and demonstration of the readiness required to morally and professionally practice optometry.

*The Status of any student receiving a failing grade, placement on academic, clinical, or professional conduct probation, during the last semester of enrollment, will be reviewed by the Academic Standards Committee to determine course of action and effect on graduation.

### Student Responsibility for Graduation

The ultimate responsibility for fulfilling graduation requirements rests with the individual student. Student should consult with their assigned Advisor to ensure that they are meeting all requirements. Students must apply for graduation. Diplomas are presented at the yearly commencement exercises and only after all financial obligations to the University have been met. Graduating students are required to attend. Any request for non-attendance must be made to the Associate Dean of Academic Affairs.

## 2020-2021 KYCO CURRICULUM

### First Year: Fall Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 514 | Clinical Skills I: Basic Optometric Theory & Techniques | 4.0 |
| OPT | 515 | Geometric Optics | 4.5 |
| OPT | 516 | Gross Anatomy, Histology & Radiographic Techniques | 4.5 |
| OPT | 517 | Genetics, Biochemistry & Metabolism | 3.5 |
| OPT | 518 | Leadership in Health Care & Personal Development | 2.0 |
| | | Total Credit Hours | 18.5 |

### First Year: Spring Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 524 | Clinical Skills II: Intermediate Optometric Theory & Techniques | 4.0 |
| OPT | 525 | Physical & Visual Optics | 4.0 |
| OPT | 526 | Ocular Anatomy, Physiology, Biochemistry & Histology | 5.0 |
| OPT | 527 | Immunology & Microbiology | 2.0 |
| OPT | 528 | Neuroanatomy & Neurosciences | 3.5 |
| OPT | 529 | Medical Physiology | 3.0 |
| | | Total Credit Hours | 21.5 |

## 2020-2021 KYCO CURRICULUM

### Second Year: Fall Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 611 | Clinical Skills III: Advanced Optometric Theory & Techniques, Refractive Management & Ocular Health Assessment | 3.0 |
| OPT | 613 | Clinical Internship I: Introduction to Patient Care | 0.8 |
| OPT | 614 | Ocular Motility | 2.0 |
| OPT | 615 | Concepts of Monocular Vision & Perception | 4.0 |
| OPT | 625 | Anterior Segment Disease | 4.0 |
| OPT | 617 | Pharmacology I & Pharmacogenetics | 3.0 |
| OPT | 618 | Pathology & Disease Processes | 3.0 |
| | | Total Credit Hours | 19.8 |

### Second Year: Spring Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 621 | Clinical Skills IV: Advanced Preclinical Optometry | 2.5 |
| OPT | 622 | Basic Contact Lenses | 3.0 |
| OPT | 623 | Clinical Internship II | 0.8 |
| OPT | 624 | Binocular Vision | 2.5 |
| OPT | 626 | Pharmacology II | 1.5 |
| OPT | 627 | Ocular Pharmacology | 1.5 |
| OPT | 628 | Posterior Segment Disease | 3.0 |
| OPT | 722 | Epidemiology and Research Methodology | 1.5 |
| OPT | 612 | Ophthalmic Optics | 3.0 |
| | | Total Credit Hours | 19.3 |

## 2020-2021 KYCO CURRICULUM

### Third Year: Summer Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 711 | Physical Diagnosis & Neurological Assessment | 2.0 |
| OPT | 712 | Advanced Contact Lenses | 3.5 |
| OPT | 713 | Clinical Internship III | 4.0 |
| OPT | 714 | Strabismus, Amblyopia & Oculomotor Rehabilitation | 3.5 |
| OPT | 715 | Advanced Topics in Ocular Disease Management | 3.0 |
| OPT | 716 | Glaucoma Diagnosis & Management | 2.5 |
| OPT | 717 | Inter-Professional Clinical Case Analysis & Management | 1.5 |
| | | Total Credit Hours | 20.0 |

### Third Year: Fall Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 721 | Gerontology & Low Vision Rehabilitation | 3.0 |
| OPT | 723 | Clinical Internship IV | 4.0 |
| OPT | 724 | Pediatric Optometry | 3.0 |
| OPT | 725 | Neuro-Ophthalmic Disease, Neurological Disorders & Acquired Brain Injury | 3.0 |
| OPT | 726 | Clinical Medicine for Optometrists | 2.0 |
| OPT | 727 | Ophthalmic Surgery I: Laser Procedures | 1.5 |
| OPT | 728 | Optometry Review I | 1.0 |
| | | Total Credit Hours | 17.5 |

### Third Year: Spring Semester

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 731 | Pre & Post-Operative Management of Ophthalmic Surgery Patients | 1.5 |
| OPT | 732 | Advances in Optometry & Ocular Imaging | 2.0 |

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|---|---|---|---|
| OPT | 733 | Clinical Internship V | 4.0 |
| OPT | 735 | Ophthalmic Surgery II: Injections & Periocular Surgery | 1.5 |
| OPT | 736 | Leadership in Health Care & Practice Management | 2.0 |
| OPT | 629 | Integrated Case-Based Learning | 1.5 |
| OPT | 738 | Optometry Review II | 1.0 |
| | | Total Credit Hours | 13.0 |

## 2020-2021 KYCO CURRICULUM

**Fourth Year: Summer Semester**

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 811 | Clinical Externships | 13.33 |
| OPT | 812 | Clinical Externships | 13.33 |
| OPT | 813 | Clinical Externships | 13.33 |
| | | Total Credit Hours | 39.99 |

**Fourth Year: Fall Semester**

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 821 | Clinical Externships | 13.33 |
| OPT | 822 | Clinical Externships | 13.33 |
| OPT | 823 | Clinical Externships | 13.33 |
| | | Total Credit Hours | 39.99 |

**Fourth Year: Spring Semester**

| Department | Number | Course Title | Credit Hours |
|---|---|---|---|
| OPT | 831 | Clinical Externships | 13.33 |
| OPT | 832 | Clinical Externships | 13.33 |
| OPT | 833 | Clinical Externships | 13.33 |
| | | Total Credit Hours | 39.99 |

# ~ Course Descriptions ~

## OPTOMETRY COURSE DESCRIPTIONS

**OPT 514 Clinical Skills I: Basic Optometric Theory & Techniques**
This course introduces the student to medical interviewing techniques, health history content, medical record documentation and preliminary chair side tests including management of refractive error. Lecture will incorporate the theory of the procedures and proper sequencing. The laboratory will emphasize the performance of procedures accurately and efficiently.
Credit Hours: 4.0

**OPT 515 Geometric Optics**
This course covers light propagation and imaging, and includes lenses, prisms, mirrors, microscopes, telescopes, and optical instrument theory. Students will study optical imaging examples that will enable them to transition from lenses and instruments to the optics of the eye. Lab practice will complement the lectures demonstrating the optical principles of light nature and optical imaging.
Credit Hours: 4.5

**OPT 516 Gross Anatomy, Histology & Radiographic Techniques**
This course is a lecture and laboratory course that uses a regional approach to the study of human gross anatomy utilizing interactive 3D computer instructional programs, models and radiologic images. Emphasis is placed on the correlation between anatomical structure and function on the one hand and clinical imaging applications on the other. The laboratory reinforces and reviews material covered in lecture sessions and organizes and clarifies conceptually difficult content. Laboratories are taught utilizing individual, interactive 3D computer stations that help the student understand the three-dimensionality of human body structures and their relationships, both in the body and in images provided by various medical imaging techniques.
Credit Hours: 4.5

**OPT 517 Genetics, Biochemistry & Metabolism**
This course is designed to provide a basis for the fundamental understanding of biochemistry and genetics as they apply to optometric practice. Diseases will be discussed from genetic, metabolic and/or nutritional viewpoints and compared with normal biochemical processes. The course will explain pathologies at the molecular level and will emphasize certain biochemical principles related to the eye. It will provide the student with the level of contemporary knowledge base that will lead to an understanding of the etiologies and implications of metabolic and inherited conditions with ocular and visual implications.
Credit Hours: 3.5

**OPT 518 Leadership in Health Care & Personal Development**
This course is presented in four modules which address a) Service b) Professionalism c) Communication and d) Personal Development. Topics include service as a valued entity in the optometric profession and in Appalachia. The various dimensions of professionalism in the healthcare professions are discussed including how one navigates beliefs, decision making and non-discrimination. The communication module includes the value of building trust and exhibiting respect both with patients and colleagues and the influence of gender in communication. The personal development module addresses the ability to treat all people with human dignity.

The Charter for Compassion is considered as a basis of spirituality. The charter is presented in comparison to your own religious or philosophical values.
Credit Hours: 2.0

**OPT 524 Clinical Skills II: Intermediate Optometric Theory & Techniques**
Students continue development of their knowledge and skills in refractive care. Medical ophthalmic evaluation and management skills are introduced. A case-based approach to the integration of data will be used to develop critical thinking skills and practical use of data in the development of diagnoses and treatment plans.
Credit Hours: 4.0

**OPT 525 Physical & Visual Optics**
This course emphasizes the visual optics of retinal image formation in emmetropia and the ametropias. Higher order aberrations and pupillary effects are discussed as well as the optical principles of correcting the refractive error by spectacles, intraocular lenses and surgery, fundamental wave optics and laser physics. The optics of clinical instruments is presented. Laboratory experiences will complement lecture by demonstration of optical principles and observation of selected instruments.
Credit Hours: 4.0

**OPT 526 Ocular Anatomy, Physiology, Biochemistry & Histology**
This course is a detailed study of the gross ocular anatomy, physiology, biochemistry and histology of the human eye, adnexa, and surrounding tissues supporting the structure and function of the visual system. It will investigate the histology and clinical micro-structure of the eye as well as embryological integration to the normal and abnormal development of ocular anatomy. There will also be an introduction to a clinical approach to the assessment and management of ocular anatomical disorders.
Credit Hours: 5.0

**OPT 527 Immunology & Microbiology**
This course is designed to provide the student with an understanding of the association of the immune response with protection against disease, its use in diagnosis and therapy, and the effects of the immunodeficiency and pathogenic conditions that result from abnormalities in the immune system. In addition, the course is designed to provide the student with a basis for understanding the relationship between host defenses, the clinically significant microorganisms, their transmission, pathogenic mechanisms, and association with infectious diseases in humans.
Credit Hours: 2.0

**OPT 528 Neuroanatomy & Neurosciences**
This course is designed to provide a broad understanding of the human central nervous system with an emphasis on functional and clinical neuroanatomy, the application of this knowledge to localize and diagnose neuropathology, and the ability to interpret diagnostic imaging of the brain and spinal cord. However, this course will also provide students with a foundation in the normal structure and function of the CNS at the molecular, cellular, and histological levels, and CNS development as a basis for understating CNS pathology and treatment. The course will begin with fundamental aspects of neuroscience (including gross neuroanatomy, neurohistology, and

neurophysiology) and then examine regional neuroanatomy, functional systems, and clinical correlates starting with the peripheral nervous system and then progressively moving up the neuroaxis from the spinal cord to the cerebral cortex.
Credit Hours: 3.5

**OPT 529 Medical Physiology**
This course is designed to expand student knowledge in medical physiology by linking anatomical elements with their normal functions. It facilitates the integration of the several disciplines through a pathophysiological approach that links with pathology, pharmacology and clinical medicine. The course also identifies certain areas for which the optometrist needs in depth knowledge to facilitate proper laboratory testing.
Credit Hours: 3.0

**OPT 611 Clinical Skills III: Advanced Optometric Theory & Techniques, Refractive Management & Ocular Health Assessment**
Students continue development of their knowledge and skills in advanced refractive and medical ophthalmic evaluation and management. The course will continue to use a case-based and problem-solving methodology in the synthesis and evaluation of optometric data and management of refractive problems and ocular disease.
Credit Hours: 3.0

**OPT 612 Ophthalmic Optics**
This course covers the ophthalmic materials, and optical characteristics of ophthalmic lenses prescribed in the correction of refractive errors. It includes discussion of materials, fabrication, lens design, verification and other procedures associated with dispensing. Low vision lenses are also introduced as are protective forms of eyewear. A significant amount of time is also devoted to dispensing topics, including frame selection and quality control issues.
Credit Hours: 3.0

**OPT 613 Clinical Internship I: Introduction to Patient Care**
This course serves as an introduction to clinical patient care and clinical operations. It consists of observations and assisting doctors and clinical student interns in patient care within the KYCO clinical system. The students will conduct pre-testing of patients and may participate in school screenings. Students will refine their clinical procedures and examination techniques/sequencing including refraction. Emphasis is placed on professional and proper doctor-patient communication and inter-professional communication within a clinic setting.
Credit Hours: 0.8

**OPT 614 Ocular Motility**
This course covers the neurology of eye movements including the innervation of the eye muscles and the control of versions, vergences, and saccadic eye movements. Course emphasis will be placed upon understanding normal and abnormal eye movements, their assessment and management.
Credit Hours: 2.0

**OPT 615 Concepts of Monocular Vision & Perception**
This course presents the science of monocular sensory vision emphasizing the anatomy and visual physiology of the retinal photoreceptor layer and post-retinal neurology. Emphasis is placed on understanding the duplex nature of cone vs. rod vision, spatial and temporal aspects of visual perception and includes a discussion of the biophysics of light stimulation in vision. Clinical testing correlates of monocular vision and perception are covered.
Credit Hours: 4.0

**OPT 617 Pharmacology I & Pharmacogenetics**
This course begins with the principles underlying pharmacokinetics, pharmacodynamics and therapeutics. It discusses routes of administration, dosages and associated nomenclature. The course then uses a survey approach to various classes of systemic medications, their cellular mechanisms, actions and indications. There is also a discussion of individual drug selection and administration based on the individual‘s genetic profile in order to select the best medication for the individual patient.
Credit Hours: 3.0

**OPT 618 Pathology & Disease Processes**
This course covers the causes and underlying mechanisms of diseases. It addresses basic pathological processes associated with cell injury, cell death, acute and chronic inflammation, tissue repair and regeneration, healing, fibrosis and neoplasia. It includes a discussion of the pathology associated with various body systems with specific attention paid to those pathological changes involving ocular manifestations of systemic disease or those most common in the population.
Credit Hours: 3.0

**OPT 621 Clinical Skills IV: Advanced Preclinical Optometry**
Students continue the development of advanced patient assessment and management skills. Summative practical evaluations prepare students for patient care experiences that will qualify them for internship in the clinical course. Students also learn to acquire ophthalmic images using specialized imaging technologies.
Credit Hours: 2.5

**OPT 622 Basic Contact Lenses**
This course introduces the use of contact lenses as a corrective modality in primary care optometry. A clinically-based approach will include anatomical, physiological, refractive, and lifestyle considerations in patient selection, material selection, lens manufacturing and design, and wearing schedule. Laboratory experience in fitting, verification, assessment, management and troubleshooting will prepare students for patient care experiences.
Credit Hours: 3.0

**OPT 623: Clinical Internship II**
Students continue in the clinic as observers of care. Students learn the patient information gathered by the technicians and advanced technology which the clinician will use for diagnosis and management. Students will continue to develop their refracting/prescribing skills and will begin to use the biomicroscopy and ophthalmoscopy techniques being learned in the Clinical Skills course.

They will also conduct specialized imaging procedures as part of the patient care team. During this course, students will undergo qualifying patient care experiences for entrance into the third year clinical program.
Credit Hours: 0.8

**OPT 624 Binocular Vision**
This course continues the presentation of the scientific basis underlying human vision by focusing on the principles of binocularity and stereopsis, related concepts and their application particularly when binocularity is abnormal. The course covers basic concepts such as the horopter, fusion, retinal correspondence and others. It also covers the neurological pathways and systems involved in maintaining normal binocularity so as to lay down the foundation for an understanding of the clinical presentation and testing in the evaluation of normal and abnormal binocular conditions discussed in later courses.
Credit Hours: 2.5

**OPT 625 Anterior Segment Disease**
This course covers the diagnoses and management of the diseases of the anterior segment including those of the ocular adnexa, conjunctiva, cornea, anterior chamber, iris, and crystalline lens. It addresses the etiology, diagnosis and management of infectious, autoimmune, neuromuscular, degenerative and neoplastic conditions as well as those involving surgical and laser interventions. Assessment techniques, specific to the anterior segment will be discussed as well as laboratory testing and detailed management protocols.
Credit Hours: 4.0

**OPT 626 Pharmacology II**
This course continues the presentation of pharmaceutical management of systemic conditions in various organ systems. Emphasis is placed on ocular manifestation of the systemic diseases and therapeutic co-management as indicated.
Credit Hours: 1.5

**OPT 627 Ocular Pharmacology**
This course focuses on the pharmacokinetics, pharmacodynamics, cellular interactions, indications and contra-indications, dosages and ocular and systemic toxicity of drugs used in the management of ocular conditions. It includes a discussion of topical medications, autonomic drugs, anesthetics, lubricants, and various diagnostic and therapeutic medications.
Credit Hours: 1.5

**OPT 628 Posterior Segment Disease**
This course focuses on the diagnosis and treatment of disorders involving the posterior segment of the eye. The anatomical, physiological, histological and pathological processes of ocular disease will be presented. Emphasis will be placed on the optometric management of conditions involving the vitreous, retina, and uveal tract as well as posterior segment pathology associated with systemic diseases.
Credit Hours: 3.0

**OPT 629 Integrated Case-Based Learning**
Using a case-based approach, problems will be presented to students that demand an integration of various ethical, social, legal and psychological considerations in addition to diagnostic and therapeutic challenges. Students will be expected to actively participate in discussions and resolution of the issues. While the students are expected to do the necessary research and consultation to conclude with final recommendations, they will be supervised and directed by a faculty mentor. Student presentations and reports should include documentation that supports their conclusions. These will be used in the final assessment of the students' learning.
Credit Hours: 1.5

**OPT 711 Physical Diagnosis & Neurological Assessment**
The purpose of this course is to train the student in the skills necessary to identify the signs of disease. The course covers the clinical procedures necessary to evaluate the general status of the body systems, especially those areas where the patient's history is suggestive of alterations from normal. The course will emphasize overall neurological evaluation and cardiovascular assessment including blood pressure measurement, EKG evaluation and auscultation of the carotid artery for the presence of bruits as well as other systemic evaluations. The student will be expected to have previously completed or to complete Basic Life Support training at the Provider level.
Credit Hours: 2.0

**OPT 712 Advanced Contact Lenses**
This course builds upon the knowledge presented in OPT 622 Basic Contact Lenses. Fitting strategies utilizing advanced technology for specialized contact lens design including presbyopia, anterior segment anomalies, therapeutic lenses, post-surgical and post-trauma patients, corneal refractive therapy as well as contact lenses for the geriatric and pediatric populations will be presented. Case examples will be used to encourage independent decision making for complicated problems in contact lens fitting. Laboratory experience in fitting, verification, assessment, management and troubleshooting will prepare students for patient care experiences.
Credit Hours: 3.5

**OPT 713 Clinical Internship III**
This course involves supervised clinical patient care in the student's initial experience in delivering the care in the role of the provider. Care will be supervised by KYCO clinical faculty and will take place mainly in the KYCO primary eye care clinics within the College and/or at one or more of the KYCO network clinics. Case conferences and grand round experiences will be assigned. Emphasis is upon the development of accurate and efficient clinical skills and correct interpretation and management of refractive and disease cases that have low complexity.
Credit Hours: 4.0

**OPT 714 Strabismus, Amblyopia & Oculomotor Rehabilitation**
This course discusses the diagnosis and management of strabismus and amblyopia, their etiologies, risk factors, classification and the interventional strategies including optical management, surgery and oculomotor rehabilitation in the contemporary practice of optometry. Prognoses and expected outcomes are discussed.
Credit Hours: 3.5

**OPT 715 Advanced Topics in Ocular Disease Management**
This course is a continuation of OPT 628. It includes discussion of advanced procedures and recent discoveries pertaining to the detection, diagnosis and management of posterior segment disorders.
Credit Hours: 3.0

**OPT 716 Glaucoma Diagnosis & Management**
This course is a comprehensive presentation of primary and secondary glaucomas, including etiology, mechanisms, prevalence and classification. The course emphasizes diagnostic testing including the use of advanced technologies, imaging procedures, photographic techniques and management options including medical, surgical and laser procedures.
Credit Hours: 2.5

**OPT 717 Inter-Professional Clinical Case Analysis & Management**
Clinical cases involving multi-disciplinary involvement will be presented. Participation will include discussion by physicians, nurses, pharmacists, social workers, public health personnel, and other professional personnel as well as optometrists to exemplify and provide proper sequential and/or parallel management and arrive at an integrated approach in solving the patient's issues.
Credit Hours: 1.5

**OPT 721 Gerontology & Low Vision Rehabilitation**
This course covers two important topics: the social, psychological, cognitive, and biological aspects of aging and the assessment and examination of the low vision patient including necessary modifications to the testing procedures and the prescribing of optical and non-optical devices. The course will address the etiology and epidemiology of vision impairment and associated diseases as well as orientation and mobility issues, patient counseling and locally-based services available to support the patients.
Credit Hours: 3.0

**OPT 722 Epidemiology and Research Methodology**
Epidemiology discusses the factors that concern the frequency of occurrence of certain eye diseases or conditions among a defined population, particularly rural areas of Appalachia and other rural areas in America, and their effect on the health and well-being of their patients. It discusses screening, standards of care and reviews major epidemiological eye studies together with those determinants that contribute to ocular diseases and conditions in aging and poverty. Other topics include those factors that contribute to or worsen the effect of visual impairment such as pharmacological factors or cognitive impairment in the aged population or psychological factors in the young. There is also a detailed analysis of health care policy.
Research Methodology covers development of a research question, experimental design, specific aims and statistical analysis, writing of the research proposal, grant applications, regulatory requirements related to human subject and animal research, CITI and other mandatory training for carrying out research and clinical trials, presentation of papers and posters and publication in refereed journals.
Credit Hours: 1.5

**OPT 723 Clinical Internship IV**
The student continues supervised clinical patient care with emphasis on the intern delivering care in the role of the provider. As in Clinical Internship III, care is supervised by KYCO clinical faculty and will take place mainly in the KYCO primary care clinics within the College and at one or more KYCO network clinics. Case conferences and Grand Rounds experiences will be assigned. Emphasis is upon correct interpretation and management of refractive and disease cases that have moderate complexity.
Credit Hours: 4.0

**OPT 724 Pediatric Optometry**
This course concerns the diagnosis and management of the major refractive, binocular and ocular disorders as well as the systemic diseases commonly occurring in the pediatric population especially those where there is an ocular component. There is also a discussion of normal growth and development markers and expectations in this population. Various testing alternatives and strategies for the management of the visual conditions in children are discussed.
Credit Hours: 3.0

**OPT 725 Neuro-Ophthalmic Disease, Neurological Disorders & Acquired Brain Injury**
This course provides an in depth discussion of the diagnosis of and management strategies for various neurological disorders that can affect vision and visual perception. Other systemic conditions such as some of vascular or cardiac etiologies or space-occupying lesions of the brain may also contribute to visual abnormalities or loss. Testing and neurological evaluation is discussed in depth and is accompanied by various radiological and other technologies that help the diagnostic process. The diagnostic strategies for the confirmation of acquired brain injuries are also covered in detail.
Credit Hours: 3.0

**OPT 726 Clinical Medicine & Systemic Disease: Management & Co-Management**
This course covers the major systemic diseases that have ocular and visual implications and reviews their etiology as discussed in pathology, the patient's signs and symptoms and other clinical assessments in order to not only reach a definitive diagnosis but also develop effective management plans. Since many systemic diseases have ocular correlates or implications, management often takes the form of co-management. The course will emphasize certain diseases such as diabetes, cardiovascular disorders, infectious and other conditions prevalent in the general and Appalachian populations.
Credit Hours: 2.0

**OPT 727 Ophthalmic Surgery I: Laser Procedures**
This course provides instruction and laboratory experience in advanced ocular therapeutic laser procedures. Topics will include a review of laser physics, tissue interaction, laser hazards and safety, and laser treatment protocol. As part of this course, students will perform simulated laser treatments as well as receive instruction for providing pre and post-operative patient care in preparation for the clinical application of these procedures.
Credit Hours: 1.5

**OPT 728 Optometry Review I**
This course will review basic concepts focusing on the content presented in past and ongoing courses coordinated with the matrix outlined by the National Board of Optometry and the Accreditation Committee on Optometric Education. Targeted topics include principles of optics, general and ocular pharmacology and pharmacogenetics, and systemic and ocular disease. The goal of the course is to help participants prepare for their national board and state licensure exams, driving the course content.
Credit Hours: 1.0

**OPT 731 Pre & Post-Operative Management of Ophthalmic Surgery Patients**
This course presents the evaluation and management, including surgical decision-making in the care of the pre-operative candidate patient for ophthalmic surgery. All pre-surgical testing, counselling and preparation of the patient is presented as are the post-operative procedures, medications, and device management.
Credit Hours: 1.5

**OPT 732 Advances in Optometry & Ocular Imaging**
This seminar course is intended for presentations on contemporary and future innovations in the practice of optometry from the development of new technologies and instrumentation, to better management strategies, research in pharmacogenetics, detection of markers predictive of disease, pharmaceutical discoveries and better optical solutions to current refractive disorders. A wide array of advanced corneal and refractive imaging systems devices will also be introduced.
Credit Hours: 2.0

**OPT 733 Clinical Internship V**
Continuing supervised clinical patients care with emphasis upon the intern delivering care in the role of the provider. Care will be supervised by KYCO clinical faculty and will take place mainly in the KYCO primary eye care clinics within the College and at one or more KYCO network clinics. Case conferences and grand round experiences will be assigned. Emphasis is upon correct interpretation and management of refractive and disease cases that have high complexity.
Credit Hours: 4.0

**OPT 735 Ophthalmic Surgery II: Injections & Periocular Surgery**
This course provides an introduction to minor periocular surgical procedures including informed consent, OSHA guidelines and asepsis, sterile techniques, lesion removal, and post-operative wound care. Various techniques, including radiofrequency surgery will be discussed. Injection topics include indications and techniques for periocular injections, venipuncture, local anesthesia, and emergency procedures for anaphylaxis.
Credit Hours: 1.5

**OPT 736 Leadership in Health Care & Practice Management** -
This course will include practice management principles and discuss issues of professional and medical ethics, legal requirements and ethical decision making. The concepts of leadership theory are presented in the context of professional responsibilities. The changing landscape of leadership from patient care to family to community is described in detail. The creation of your personal

leadership style and its continued development is taught in detail.
Credit Hours: 2.0

**OPT 738 Optometry Review II**
This course will continue reviewing basic concepts focusing on the content presented in past and ongoing courses coordinated with the matrix outlined by the National Board of Optometry and the Accreditation Committee on Optometric Education. Targeted topics include principles of optics, general and ocular pharmacology and pharmacogenetics, and systemic and ocular disease. The goal of the course is to help participants prepare for their national board and state licensure exams, driving the course content.
Credit Hours: 1.0

**OPT 811, 812, 813, 821, 822, 823, 831, 832, & 833 Clinical Externships**
The fourth year rotations occur within the KYCO clinical network and include direct supervised patients care in the Primary Eye Care clinics with rotations to appropriate clinical facilities for direct and observed supervised clinical experience in specialty eye diseases, contact lenses, pediatrics, low vision, ophthalmic dispensing services as well as observational participation in other medical specialty clinics. Clinical management by interns during the fourth year is expected to reflect an ability to evaluate and manage a complex case load including surgical care.
Credit Hours: 13.33

## POST-UNDERGRADUATE BIOMEDICAL SCIENCES CERTIFICATE PROGRAM

The Kentucky College of Osteopathic Medicine and the Kentucky College of Optometry offer a joint, one-year post-undergraduate biomedical sciences certificate to provide a strong foundation in preparation for admission to the D.O. or O.D. program. Certificate courses are taught by full-time KYCOM/KYCO biomedical sciences faculty and students enrolled in this certificate program are taught alongside matriculating medical and optometry students.

### Admission Criteria

Applicants for this program must have applied to KYCOM or KYCO for admission through the appropriate application service (AACOMAS for KYCOM; or OptomCAS for KYCO), including submission of letters of recommendation. The applicant must have no less than an undergraduate GPA of 2.70 and an OAT score of 270 or MCAT score of 490.

### Acceptance for KYCOM or KYCO interview

Any student enrolled in the University of Pikeville Biomedical Sciences Certificate Program who attains at least the class average in every course, and earns an OAT score of 300 or higher, or MCAT score of 500 or higher, will be offered an automatic admission interview in KYCO or KYCOM, respectively. If granted admission into either KYCOM or KYCO, there will be no option for opting out of any medical or optometry school courses. It is imperative for the future success of the student on licensing board examinations that all students enrolled in professional school programs take the full course load during all semesters.

### Tuition, Financial Aid and Process for Withdrawal

Tuition for this program shall be 2/3, of the current academic year KYCOM student tuition, payable as 50% of the academic year tuition by the first day of each semester. Students will work with the University Office of Financial Aid regarding any opportunities for financial aid. There are no guarantees that any student will be eligible for a financial aid package. Any student who withdraws from the program will be subject to the current withdrawal and tuition reimbursement policy as outlined in the KYCOM Student Handbook.

### KYCO/KYCOM Student Advantage Program

Students enrolled in this program are not considered to be enrolled as an optometry or osteopathic medical student, and therefore not eligible for receipt of the benefits of the KYCO or KYCOM Student Advantage Programs. However, students enrolled in the Biomedical Sciences Certificate Program will receive an I-Pad Pro, with access to the appropriate course E-textbooks and electronic resources. Any student who does not complete the full year program will be required to return the I-pad Pro (including the Apple pencil and keyboard) to the University in good working condition.

## Student Policies and Conduct

All students enrolled in the Biomedical Sciences Certificate Program will be held to the same polices, processes, and standards of conduct as published in the KYCOM Student Handbook. In addition, all postbac students will have the same rights and privileges as outlined in the most recent KYCOM Student Handbook.

## 2020-2021 BIOMEDICAL SCIENCES CERTIFICATE CURRICULUM ONE-YEAR PROGRAM

| Course | BMS# | Credit Hours | |
|---|---|---|---|
| **Fall Semester** | | | |
| Gross Anatomy, Histology & Radiographic Techiniques | 516 | | 5 |
| Genetics, Biochemistry & Metabolism | 517 | | 4 |
| MCAT or OAT Preparation Course | | | 1 |
| Basic Life Support | | 1 | |
| | **Fall Total** | **11** | |
| **Spring Semester** | | | |
| Physiology | 502 | 7 | |
| Neuroscience | 509 | 4 | |
| Immunology | 512 | 2 | |
| | **Spring Total** | **13** | |
| | **Program Total** | | **24** |

## BIOMEDICAL SCIENCES COURSE DESCRIPTIONS

### BMS 500: MCAT Prep

This course provides students with preparatory materials, counseling, and support as they prepare to take the Medical College Admissions Test (MCAT). Students are provided with a study plan which includes weekly goals and objectives, including assigned content to review and assigned questions to complete from official question banks. Additionally, students will complete three full-length practice exams two separate times during this course, for a total of six full-length exam sessions. Students will complete the exams the first time in a simulated testing environment at regular intervals, and later independently. Students will receive individual feedback from the instructor based on results of these practice exams. Students will complete approximately 1,000 practice questions during the course, in addition to the practice exams. Students will be required to meet with the instructor individually and occasionally as a group to discuss the study plan, study strategies, resources, and exam preparation.

### BMS 501: Biomedical Skills

This course includes the American Heart Association (AHA) Basic Life Support (BLS) and Advanced Cardiovascular Life Support (ACLS) Provider curricula; as well as the American College of Surgeons (ACS) Bleeding Control for the Injured (B-Con) curriculum; and didactic and clinical training in the recognition and treatment of opioid overdoses, including intranasal Naloxone (Narcan) administration. BLS includes cardiopulmonary resuscitation (CPR) for

healthcare providers, as well as relief of foreign body airway obstructions and automatic external defibrillator (AED) use. ACLS includes recognition and treatment of acute coronary syndrome (ACS) and strokes; tachycardias and bradycardias; and cardiac arrest; as well as immediate post-cardiac arrest care.
B-CON includes first responder-level recognition and care of potentially life-threatening bleeding, including use of direct pressure, tourniquets, and wound packing. BLS, ACLS, B-CON, and Narcan training will include case-based clinical training utilizing high-fidelity robotic simulation. Students who successfully complete this course will obtain AHA, BLS, and ACLS Provider certification and an ACS B-Con course completion certificate.

**BMS 502: Physiology**
This course is a study of human physiology, which includes a functional knowledge of cells as well as the functional analysis of selected organ systems. After considering cellular physiology from a molecular and organelle level, students study the autonomic nervous system and muscle physiology. Selected organ systems of focus are the cardiovascular, respiratory, urinary, gastrointestinal and endocrine. With an emphasis on integration and control of the body, introductory concepts of pathophysiology will also be included that allow students to understand alterations in normal physiological parameters.

**BMS 509: Neuroscience**
In this course, the morphology, circuitry, function and clinical applications of neuroanatomy are presented in lecture, clinical conference, and laboratory sessions. The neuroanatomical basis of the neurological examination and case histories are integrated into the lecture and clinical conferences. The students study major cases, are involved in interactive role-playing, and give case presentations to reinforce the neuroanatomical basis of the neurological examination. Laboratory studies use human specimens and high resolution video to learn brain and spinal cord topography, the meninges, and blood vessels. This course emphasizes the application of neuroanatomical knowledge to clinical situations as well as the development of fundamental neuro-analytical skills.

**BMS 512: Immunology**
This course covers all of the major topics in both basic and clinical immunology. Topics include cells and organs of the immune system, B cell development and activation, T cell development and activation, major histocompatibility complex, antigen processing and presentation, antibody diversity, tolerance, complement, cytokines, inflammation, hypersensitivity, vaccination, autoimmunity and immunodeficiency diseases, and host pathogen interactions. Case presentations are discussed.

**BMS 516: Gross Anatomy, Histology and Radiographic Techniques**
This course is a lecture and laboratory course that uses a regional approach to the study of human gross anatomy utilizing interactive 3D computer instructional programs, models and radiologic images. Emphasis is placed on the correlation between anatomical structure and function on the one hand and clinical imaging applications on the other. The laboratory reinforces and reviews material covered in lecture sessions and organizes and clarifies conceptually difficult content. Laboratories are taught utilizing individual, interactive 3D computer stations that help the student understand the three-dimensionality of human body structures and their relationships,

both in the body and in images provided by various medical imaging techniques.

**BMS 517: Genetics, Biochemistry and Metabolism**
This course is designed to provide a basis for the fundamental understanding of biochemistry and genetics. Diseases will be discussed from genetic, metabolic and/or nutritional viewpoints and compared with normal biochemical processes. The course will explain pathologies at the molecular level and will emphasize biochemical principles. It will provide the student with the level of contemporary knowledge base that will lead to an understanding of the etiologies and implications of metabolic and inherited conditions.

# ~ Personnel ~

## UNIVERSITY OF PIKEVILLE

## ADMINISTRATION &STAFF

Burton J. Webb, Ph.D.
*President*
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*Provost*
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Barry Bentley, B.A., M.B.A.
*Vice President for Finance and Business Affairs*
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*Title IX Coordinator*
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*Director of Public Affairs*
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*Associate Vice President for Business Affairs & Controller*
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*Assistant Vice President for Facilities*
David Hutchens, B.A.
*Vice President for Advancement*
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*Dean of Student Success*
Justin Tyler Owens, Ph.D.
*Dean of Students*
Michael Pacheco, B.S., M.S.
*Assistant Vice President for Operations & Human Resources*

Paul E. Patton
*Chancellor*
*Governor of Kentucky (1995-2003)*
Gia Rae Potter, B.B.A., M.A.
*University Registrar*
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*Dean of Kentucky College of Osteopathic Medicine (KYCOM)*
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*Director of Institutional Research & Effectiveness*
R. Kelly Wells, B.A., M.A.
*Director of Athletics*
John Yancey, B.A.
*Director of Admissions*

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*Clinical Operations Manager*
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*Associate Professor of Optometry*
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*Professor of Optometry*
Danielle Kelly, M.L.I.S.
*Health Sciences Medical Librarian*
Nathaniel Levy, BA
*Faculty Administrative Assistant*
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*Clinic Coordinator*
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Karen Slone
*Externship Coordinator*
Laura Smith, BA
*Coordinator of Assessment*

## KENTUCKY COLLEGE OF OPTOMETRY

## FACULTY

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*Assistant Professor of Optometry*
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*Professor of Optometry*
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*Associate Dean of Academic Affairs*
*Director of Contact Lens Services*
*Professor of Optometry*
Jason Evans, O.D.
*Assistant Professor of Optometry*
Rachel Fitzgerald, O.D., F.A.A.O.
*Assistant Professor of Optometry*
Paul M. Karpecki, O.D., F.A.A.O.
*Associate Professor of Optometry*
Ryan Kern, O.D.
*Assistant Professor of Optometry*
Eilene Kinzer, O.D., M.Ed., VFL, F.A.A.O.
*Associate Professor of Optometry*
*Director of Residencies and Continuing Education*
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*Assistant Professor of Optometry*
Randall Mann, O.D.
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*Department Chair for Academic Affairs*
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*Assistant Professor of Optometry*
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J. Michael Younger, Ph.D.
*Assistant Professor of Biochemistry (KYCOM)*
Dana R. Ziegler, Ph.D.
*Associate Professor of Neuroanatomy and Neuroscience (KYCOM)*

## KENTUCKY COLLEGE OF OPTOMETRY

## CONTACT INFORMATION

Administrative offices are open weekdays from 8:00 a.m. to 5:00 p.m. KYCO observes the customary holidays. Visitors are strongly encouraged to make appointments before visiting the campus to ensure that the person they need to see is available. KYCO's address is:

University of Pikeville
Kentucky College of Optometry
147 Sycamore Street
Pikeville, KY 41501

| | |
|---|---|
| Dean | (606) 218-5510/Fax (606) 218-5509 |
| Academic Affairs | (606) 218-5513/Fax (606) 218-5509 |
| Graduate and Health Professions Student Affairs | (606) 218-5400/Fax (606) 218-5509 |
| Admissions | (606) 218-5517/Fax (606) 218-5209 |
| Financial Aid | (606) 218-5407/Fax (606) 218-5256 |
| Registrar's Office | (606) 218-5260/Fax (606) 218-5212 |

## Chancellor's Statement for the Kentucky College of Optometry

I welcome your consideration of the Kentucky College of Optometry at the University of Pikeville as the single, best institution to provide you an outstanding Optometric education and a unique opportunity for personal development. When you join the academic community of the leading university in Central Appalachia you become the fulfillment of the higher education and health care needs of the region our founders envisioned 131 years ago.

You will carry on our long and proud tradition of service to the people of Central Appalachia and be a champion of excellence in vision care to the Southeastern region and all of the United States. Optometry at the University of Pikeville is the profession which offers you the challenge to serve the healthcare needs of rural Appalachia while providing you a quality of life second to none.

Optometry is a growing, vibrant profession. Our great nation is advancing in age and technological expansion. These facts place a significant demand on our sense of vision. The expansion of affordable healthcare demands greater accessibility to health care. The expansive scope of practice of Optometry, including primary care surgical procedures authorized in Kentucky, provides the profession the opportunity to grow in the Commonwealth and become the leader for eye care across the nation. The high proportion of citizens needing ocular healthcare services in Central Appalachia provides the opportunity for cutting edge research by the faculty and staff and students of Kentucky College of Optometry.

When you think about your education as an Optometrist go beyond the basics. Join the community that is known nationwide as ***The Vision of Hope!***

Paul E. Patton
Chancellor