

# UNIVERSITY OF PIKEVILLE



## Kentucky College of Optometry

### CATALOG 2016-2017

147 Sycamore Street  
Pikeville, Kentucky 41501  
(606) 218-5250

*Pending approval of the Southern Association of Colleges and Schools Commission on Colleges.*

The University of Pikeville - Kentucky College of Optometry  
reserves the right to make any changes to the content of this document  
at any time without advance notice.

*Message from the Dean . . .*



I would like to welcome you to the community of the University of Pikeville - Kentucky College of Optometry. You have moved beyond your preparatory education to be a selected member of our group. The road to get here was very challenging. You have been through many tests, trials and decisions to earn this honor.

Your acceptance into the University of Pikeville - Kentucky College of Optometry signifies a great achievement for you, your family and significant others. I would encourage you that the challenge to be a successful optometric physician is a challenge more to yourself than to the process of earning a diploma.

The Kentucky College of Optometry is not the birth child of science alone; our roots go much deeper. The health care we deliver in the mountains was first transported to these majestic hills by the early circuit riders of the Presbyterian Church.

They brought not only healing but hope, inspiration and a deep love for our people. These are the values which encourage you to a very different education. I know you will be successful in everything you attempt here at the University of Pikeville. The success of your education will ultimately be found in the success of your growth as a person.

Sincerely,

*Andrew Buzzelli, O.D., M.S.*

University of Pikeville  
Vice President for Optometric Education  
Founding Dean, Kentucky College of Optometry

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**KYCO ACADEMIC CALENDAR  
2016-2017**

<b>Fall 2016</b>	
July 25 - 29, 2016	First Year Orientation
August 1, 2016	First Year Fall Semester Begins
September 5, 2016	Labor Day (No Class)
November 9-11, 2016	Fall Break
November 23-25, 2016	Thanksgiving Break (No Class)
December 16, 2016	First Year Fall Semester Ends
Dec. 17, 2016-Jan. 2, 2017	Holiday Break (No Class)
<b>Spring 2017</b>	
January 3, 2017	First Year Spring Semester Begins
January 16, 2017	Martin Luther King Jr. Day (No Class)
March 13-17, 2017	Spring Break
April 14, 2017	Good Friday (No Class)
April 20-21, 2017	Hillbilly Days (No Class)
May 19, 2017	First Year Spring Semester Ends

This is an overview of the academic year. A day by day schedule will be distributed at registration.

Please note that all academic calendar dates are subject to change at any time.

## KENTUCKY COLLEGE OF OPTOMETRY

The Kentucky College of Optometry (KYCO) is the 22<sup>nd</sup> optometry school in the nation and the first in Kentucky. KYCO welcomes 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. Our new, \$55 million cutting edge vision care facility is currently being constructed and will be 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 human anatomy, physiology, and pharmacology that enable Optometrists to often detect critical health issues (diabetes, hypertension, etc.) and refer patients for immediate treatments.

### **Mission**

We are practitioners of the healing arts defining the standard for excellence in optometric education and vision care. Our graduates apply their unparalleled knowledge of clinical care and vision science in a cultural environment of faith, social justice and human dignity to Appalachia and rural America.

## **GOALS & OBJECTIVES**

### **Teaching & Learning**

#### *Goal:*

To foster an effective and integrative learning-centered environment that provides opportunities for intellectual, personal and professional growth for students, staff and faculty; implementing innovative educational programs enabling graduates to possess entry level standards for the full scope practice of optometry in areas of rural America.

#### *Objectives:*

- Recruit and retain exceptional faculty

- Nurture tenets of lifelong learning and educational curiosity
- Integrate advanced technologies into the education process
- Ensure current and continuously updated lecture and laboratory content
- Promote faculty mentoring for every student
- Develop critical thinking by incorporating higher levels of learning such as application, analysis, synthesis and evaluation
- Promote, facilitate and reward faculty continuing education, learning and professional development to ensure the most current knowledge is presented to the students
- Incorporate virtual learning technologies into the educational strategies
- Increase faculty development opportunities for active and collaborative learning, service, education, integration of social justice and other innovative strategies used in teaching
- Embrace religious and cultural diversity within the profession of optometry and the broader community
- Provide information technology training for faculty, staff and students
- Develop pathways to maximize exposure to diverse clinical educational experiences for every student
- Coordinate a system of accountability and intervention whereby every student has the opportunity to reach his or her educational and professional potential
- Provide a broad spectrum of patient encounters and practice modalities to the students and faculty
- Develop advanced surgical ophthalmic and laser operative skills
- Construct a pathway for personal growth and development as an integral piece of the four-year curriculum and facilitate regular student contact with the tenets of the University of Pikeville mission of access
- Incorporate current knowledge and ongoing advances in genomics in didactic and clinical instruction
- Develop an understanding of providing professional services specifically to the underserved
- Understand the health care cultures characteristic of the rural areas of the country

## **Patient Care**

### *Goal:*

To provide culturally sensitive, patient-centered, comprehensive and accessible vision care in an integrated clinical curriculum.

### *Objectives:*

- Optimize the development of clinical skills and critical thinking in all clinical personnel
- Establish initiatives to develop and enhance good clinical practice in all clinical personnel
- Emphasize the application of evidence-based clinical standards of care
- Provide exceptional vision care to rural optometry in western Kentucky, eastern Kentucky and across rural America

- Create a clinical environment that is sensitive to the cultural and socioeconomic needs of every patient particularly in a rural setting
- Promote programs that emphasize community-based clinical eye care services
- Develop and enhance faculty clinical skills in contemporary clinical technologies including applications of genomics in health care
- Create a clinical environment whereby the mission and goals of the educational program is fully integrated into the patient care model
- Provide a safe, secure and confidential clinical environment
- Create and nurture the concept of rural optometry
- Immerse the faculty and optometry student in the delivery of care in rural clinic settings

### **Vision Research**

#### *Goal:*

To foster research and scholarly activity as a foundation for exceptional clinical care in rural environments with limited or no access to medical or vision care.

#### *Objectives:*

- Implement systems of recognition and support for faculty research and scholarship, including evaluation, promotion, travel grants and sabbaticals
- Provide direct research support such as time, space, equipment and staff
- Encourage and facilitate faculty participation in collaborative and externally funded research
- Develop, support and promote student research and scholarship
- 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
- Encourage research which discovers the implications of vision care in rural America
- Encourage research that demonstrates the impact of access to good vision care on the quality of life in rural areas of Appalachia and rural America
- Pursue research which creates the health care delivery models best suited to the rural environment
- Pursue research projects and collaborations which explore application of human genomics, proteomics and/or glycomics to prediction and prevention of visual conditions and ocular disease
- Quantify the advantages of interprofessional collaboration in patient care in rural America

## **Community and Public Service**

### *Goal:*

To enable and support faculty, students and staff to nurture, sustain, and further the mission of the university in serving the local and broader communities of eastern Kentucky and western Kentucky.

### *Objectives:*

- Promote student and faculty leadership in service and mission activities, to include vision and health care screenings
- Incorporate ethics, social justice and service learning into the optometric curriculum
- Deliver patient care consistent with the faith-based principles of our founding fathers
- 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
- Provide a public service to the University of Pikeville community: administration, faculty, students and alumni
- Emphasize the active participation in service, non-profit, faith-based and professional organizations
- Appreciate the responsibility of giving back to the community as respected members of society
- Promote rural practice venues following graduation for the delivery of their optometric skills
- Document the impact on the vision care of the region due to the Kentucky College of Optometry

## **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 Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and doctoral degrees. Any questions about the accreditation of the University of Pikeville may be directed to the Commission on Colleges at 404-679-4500 or to 1866 Southern Lane, Decatur, Georgia 30033-4097. Additionally, inquiries may be made to the University of Pikeville at 606-218-5250 or to 147 Sycamore Street, Pikeville, Kentucky 41501. Kentucky College of Optometry has been granted pre-accreditation by the Accreditation Council on Optometric Education (ACOE).

## **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  
Rm. 203 Administration Building  
147 Sycamore Street  
Pikeville, KY 41501  
[bethanybowersock@upike.edu](mailto: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  
Rm. 210 Community Technology Center  
147 Sycamore Street  
Pikeville, KY 41501  
[michaelpacheco@upike.edu](mailto: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](http://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 May 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). The OAT is designed to measure general academic ability and understanding of scientific information. Information about the test, registration, samples tests and instructions can be found at [www.opted.org](http://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 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 31 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 the seventeen schools and colleges of optometry. This service is designed to streamline your application process and can be found at: [www.optomcas.org](http://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 OAT Score Report**

Students are also required to take the Optometry Admissions Test (OAT). Information can be found at: <http://www.ada.org/en/oat> Make sure to designate the Kentucky College of Optometry as an official OAT 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), 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](mailto:kycoadmissions@upike.edu).

The prerequisites or equivalents are as follows:

<b>Required Courses</b>	<b>Number of Courses</b>
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)
Microbiology with Laboratory or Bacteriology with Laboratory	1 Semester (or 2 quarters)
Biochemistry or Molecular Biology	1 Semester (or 2 quarters)
Calculus or College Mathematics	1 Semester (or 2 quarters) 2 Semester (or 3 quarters)
Statistics	1 Semester (or 2 quarters)
Psychology	1 Semester (or 2 quarters)
English	2 Semester (or 3 quarters)
<b>Additional Requirements for Student Entering Without a Bachelor's Degrees</b>	<b>Number of Courses</b>
Humanities May include: Art Foreign Language History Literature Philosophy Theology	2 Semesters (or 3 quarters)
Behavioral & Social Sciences May include: Accounting Anthropology Communication Economics Geography History Political Science Psychology Sociology	2 Semesters (or 3 quarters)

**Recommended elective courses include:**

Although not required, the following additional courses are recommended: Anatomy, Computer Science, Ethics, Genetics, Histology, Embryology, Immunology, and Physiology.

**TRANSFER ADMISSIONS POLICY**

The University of Pikeville - Kentucky College of Optometry 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. Currently the University of Pikeville - Kentucky College of Optometry does not accept transfer students, including those with advanced standing.

**RE-APPLICATION PROCEDURES**

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

- Completed online OptomCAS application - [www.optomcas.org](http://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 KYCO to the Office of the Associate Dean of Academic Affairs. Students must notify the Office of 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 communications 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 eye, lids, 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 will 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 (i.e. Financial Aid), and most importantly meet the faculty they could spend the next four years learning from. Your interview will also give our

faculty additional time to assess both your academic and non-academic qualifications.

Should you be chosen for an on-site interview, you will receive a link that will enable you to choose a day and time that fits your needs. We ask all students who have selected an interview slot to 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 KYCO. 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 \$1,000 matriculation fee, which is applied to the tuition fee. 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 KYCO Office of Student Affairs at (606) 218-5520 or at [kycoadmissions@upike.edu](mailto: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 all 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.

**~ Financial Aid, Tuition & Fees ~**

## **FINANCIAL AID & TUITION INFORMATION**

### **KYCO Student Advantage Program**

The University of Pikeville - Kentucky College of Optometry Student Advantage program designates that all our students enter on a level playing field, where those who are admitted with few financial resources have the same educational opportunities as those with greater resources. At no additional cost, entering optometry students are provided all required ophthalmic and medical equipment in addition to the use of an iPad and laptop computer, as well as all required texts.

Membership dues on behalf of all students are also paid to the American Optometric Student Association (AOSA) and the Kentucky Optometric Student Association (KOSA). Exam fees for the National Board of Examiners in Optometry Part 1, Applied Basic Science, are paid by KYCO for first attempts only. In addition, the KYCO Student Advantage program also includes a NBEO preparation program.

Students are responsible for all of the equipment provided as part of the KYCO Advantage Program. Equipment provided is for the sole purpose of use by the student only throughout the 4-year program. Items lost or stolen will not be replaced. Ownership of the equipment transfers from KYCO to the student upon graduation.

Additionally, should a student be dismissed or withdraw from the program, he or she will be required to return all ophthalmic, medical, and technical equipment provided for the student as part of the KYCO Advantage Program to the Office of Student Affairs. Students memberships also included in the KYCO advantage will be inactivated.

## **TUITION, FEES, TUITION REFUNDS**

### **Tuition**

Tuition for the Kentucky College of Optometry will be \$38,450 for the 2016-2017 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.

## **Matriculation Fee**

A nonrefundable fee of \$1,000 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.

Tuition refund, if applicable, require 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; and
- 25 percent during the fourth week of an academic semester;
- 0 percent after the fourth week of an academic semester.

The Board of Trustees of the University of Pikeville reserves the right to change the schedule of tuition and fees, without advance notice, and to make such changes applicable to present as well as future students of KYCO, and to establish additional fees or charges for special services whenever, in their opinion, such actions are deemed advisable.

## **FINANCIAL AID**

The Kentucky College of Optometry will work closely with the main University's Student Financial Services Office. Financial aid will be processed through the University's Student Financial Services Office. Financial aid counseling and assistance is provided to optometry students regarding securing financial support to help meet the costs 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 that 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 Financial Aid Office. The office will assist students with their borrowing needs, instruct 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 their financial aid status, discuss debt management strategies, or obtain financial information.

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 as awarded or borrowed under federal programs cannot exceed the KYCO standardized student budget. Funds are allowed for a student's direct 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. Students must carefully monitor and adhere to their approved budgets.

Every student applying for financial aid must file the Free Application for Federal Student Aid (FAFSA) with the appropriate federal processor to assess aid eligibility. The FAFSA should be filed after January 1 of each academic year for processing. Additional documents may be required as well as determined by the Student Financial Services Office. Students may file loan applications and check the status of loans through the Student Financial Services Office or online at <https://studentloans.gov>.

The majority of professional school students receive financial aid. Several financial assistance programs exist to help students meet the cost of attending the University of Pikeville - Kentucky College of Optometry. These programs include, but are not limited to student loans, grants, and scholarships.

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

## **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.

### **Institutional Merit-Based Scholarships**

Merit-based, internal awards are made available to the University of Pikeville - Kentucky College of Optometry students based upon qualifying academic, service, and leadership factors. These scholarships are generally awarded for outstanding academic achievement as well as non-academic characteristics, and are generated in collaboration with the Scholarship and Awards Committee on the basis of academic, service, and leadership qualities. More specifics pertaining to institutional, merit-based scholarships will be available on-site for review.

### **Outside Scholarships & Grants**

External scholarships will be made available to the University of Pikeville - Kentucky College of Optometry students based upon qualifying factors. The Scholarship and Awards Committee, with the assistance of Student Affairs' Office, coordinates outside Scholarship opportunities. Additionally, there are several comprehensive searchable scholarship databases on the web, including fastWEB.com. Fast WEB (<http://www.fastweb.com/>) provides access to private local and national scholarships, fellowships, grants, and loans.

### **Military Health Professions Scholarships (HPSP)**

The 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 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 both on-site through the University of Pikeville - Kentucky College of Optometry HPSP Advisor and directly from local Army, Navy, and Air Force recruitment offices, which are located throughout the United States.

## DEBT COUNSELING

The University of Pikeville Office of Student Financial Services will offer 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.

As previously mentioned, financial aid instructions, tips, and debt counseling information will be shared with students throughout their training. Also, students may schedule an appointment to meet individually with the Student Financial Services Office to review their financial aid status, discuss debt management strategies, or obtain financial information.

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 Federal Master Promissory Note. First year students are also required to participate in a financial aid information session to be held during New Student Orientation.

Stafford Exit Loan 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 to provide any post-graduate resources that the University of Pikeville - Kentucky College of Optometry or the University of Pikeville can provide. A hold will be placed on the student's graduation if this requirement is not satisfied.

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 and to budget prudently and limit living costs. If a student's loan goes into default, the University, the lender, the state, and the federal government can all take action to recover the money.

The federal government can deny a school's participation in the student loan programs, if the school's default rate is too high. Further, the university will withhold release of student records of any individual who is in arrears or in default under any loan or loan program, where such arrears or default adversely affects the university in any way.

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

Educational loans exist to help students pay for their cost of attendance.

Because these loans must be repaid with interest, students will be urged to think carefully about the amount of money needed to meet their educational expenses before borrowing and they must understand the implications of receiving such loans.

Students will be encouraged to read their loan application and promissory note very carefully. Students should be aware of the following when applying for a loan:

- The full amount of the loan being requested;
- The current interest rate;
- The date that repayment starts;
- Additional loan charges to be paid such as loan origination and/or guarantee fees and how those fees will be collected;
- The maximum amount that can be borrowed each year;
- The maximum time for repayment and the estimated repayment amounts;  
Circumstances that will result in defaulting on a student loan;  
The consequences of defaulting on a student loan;
- Available options for deferment, forbearance, and loan consolidation;
- Track all federal loans at [www.nslds.ed.gov](http://www.nslds.ed.gov).

It is the student's responsibility as a borrower to stay in touch and notify their servicer if there is a change in enrollment status (graduation, withdrawal, dropping below half-time enrollment), a change of name, or if the student transfers to another school.

### Federal Loans

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

- Federal Stafford Loans:
  - Unsubsidized loans – \$40,500 - \$47,167 per year
  - Cumulative debt – \$224,000
- Federal Graduate Plus Loan:
  - Cost of education less financial aid per year

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.

### **Federal Direct Stafford Loan (Unsubsidized)**

The Federal Direct Unsubsidized Loan is a non-need based federal loan. An origination fee may be deducted prior to disbursement. The interest rate is fixed and begins accruing during school. Repayment begins six months after graduation or departure from school. Deferment, forbearance, and income based repayment options may be available.

### **Graduate PLUS Loan**

The Graduate PLUS Loan is for graduate and professional students who need assistance with educational expenses that are not covered by other types of financial aid. This loan is an alternative to using other funding sources to meet educational costs. Students do not have to demonstrate financial need in order to qualify and they must not have an adverse credit history. The interest rate is fixed and begins to accrue during school. Students may borrow up to the total cost of attendance minus other financial aid.

### **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 not subsidized and begins accruing upon disbursement; however the borrower has 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 are deducted from the loan proceeds prior to disbursement. It is recommended that students do careful research on lenders before making a decision in order to choose the loan that best suits their needs. Borrowing from an alternative loan program should only be used when all other funding options have been exhausted.

## **SATISFACTORY ACADEMIC PROGRESS**

KYCO complies with the Federal requirement that all students who receive financial assistance from Title IV and Title VII 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.

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 Financial Aid Office 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 Financial Aid Office 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 completing 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. Federal loans, scholarships, grants, private loans, and any other aid may also be reduced or completely removed from the student’s account.

~ **Students** ~

## CAMPUS ORGANIZATIONS

The activities of student organizations vary widely in scope, purpose, and formality of organization. An official organization is one whose purposes and membership remain relatively stable from year to year and whose relationship to the college is formally acknowledged by the college. An unofficial student organization, on the other hand, is one which is not formally organized or which is organized to carry out a specific one-time function or activity, and for these or other reasons is not formally recognized by the college. In order to be considered an official organization by the college, a student organization would be expected to meet the appropriate guidelines of this policy.

A complete list of clubs and organizations can be found in the *University of Pikeville - Kentucky College of Optometry Student Handbook* or the KCYO Office of Student Services.

## CAMPUS RESOURCES

### **Allara Library**

The Frank M. Allara Library exists to support the educational goals and objectives of the University of Pikeville. As a support service, the library is concerned with the growth of the University as a Christian community. To this end it provides materials for personal, spiritual enrichment and collects sources of information which reflect the heritage and continuing affiliation of the institution with the Presbyterian Church (USA).

The library also supports the university's course offerings through the acquisition of a variety of print and non-print resources, including collections of books (both circulating and reference), periodicals, databases, microforms, and videos. Special Collections houses the university archives and a collection of Kentucky/Appalachian history and genealogy. For more information, please check the pamphlets in the library or ask a librarian.

While the library serves all segments of the University of Pikeville community, its primary responsibility is to the graduate and undergraduate students of the university. The library shares the institution's commitment to its students and seeks to foster their intellectual and cultural development by means of its resources and services.

### **Health Sciences Library**

The Health Sciences collection of the Kentucky College of Optometry and Kentucky College of Osteopathic Medicine is housed in the University of Pikeville Telemedical Learning & Resource Center. The collection emphasis is in medicine and osteopathy. Resources include books, periodicals, audio tapes, videos, models, and electronic databases. The library offers computers with Internet access and quiet and group study areas. Some study areas are accessible 24 hours a day with your student ID.

## **Campus Bookstore**

The University of Pikeville bookstore sells new and used required texts and reference books, laboratory and clinic coats, supplies, equipment and microscopes, college clothing, and gift items.

## **Dining Facilities**

The University of Pikeville offers a meal plan to students. The food service management is capable of meeting most special diets. Exceptional dietary needs may require physician documentation. *The City View Cafe* is located in the Coal Building.

## **Student Lounge**

The university's Student Lounge is located on the ground floor of Wickham Hall. It offers an opportunity for students to relax, study, and enjoy time with fellow students. A pool table is located in the lounge and pool cues may be checked out in the Office of Student Services. There are also televisions, couches, gaming consoles, an air-hockey table, arcade games, tables, and chairs for students to use at their leisure. The university asks that all students respect the property of the university so that all students may enjoy the Student Lounge. Theft or destruction of university property is grounds for disciplinary action up to and including separation from the university.

## **Post-Office**

The main post office for the entire campus is located in Wickham Hall. Mailboxes are available for all residence hall students and are assigned through the campus post office.

## **Parking**

Operating and maintaining a vehicle at the University of Pikeville is a privilege that entails certain responsibilities. It is the vehicle operator's responsibility to know and abide by the university's vehicle regulations as well as state and local laws.

Students, faculty, and staff may park at no cost in the public parking garage on Hambley Boulevard that is across from the Record Memorial Building. All parking on campus is by permit only. The university is not responsible for damages to any vehicles parked on campus. Parking permits may be obtained from University of Pikeville Campus Safety. Students may park in designated areas only. Violators will be ticketed. Unpaid tickets will be charged to the student's account. Any appeals of parking tickets must adhere to the appeals procedures specified by University of Pikeville Campus Safety. You can find more information regarding

the university's parking regulations on UPIKE's website under student services and public safety.

### **Technology**

To facilitate their engagement with the KYCO curriculum, KYCO students are provided the use of iPads and laptops. Technical assistance concerning student laptops, student email, software, and web-based course programs may be obtained from the university's Technology staff. Assistance may be requested by phoning (606) 218-5300.

### **Spiritual Life**

The Office of Spiritual Life and its tools are available to all KYCO students, providing a variety of services including: locations of places to worship, information on Campus Ministry meetings, UPIKE worship services, community service opportunities, faith development, and retreats/trips. The Office of Spiritual Life engages in university life through prayer, study, outreach, faith development, and pastoral care. The office is located in Record Memorial, Room 602 (next to the Chapel). You can find additional information on how to keep your faith while at UPIKE by visiting <http://www.upike.edu/Student-Services/Campus-Life/spiritual-life>.

Additional information may be found in the *University of Pikeville - Kentucky College of Optometry Student Handbook* or the KCYO Office of Student Services.

**~ Academic Information & Policies ~**

## **ACADEMIC INFORMATION & POLICIES**

All students at the University of Pikeville, College of Optometry are responsible for an expected to be familiar with the academic policies and procedures outlined in this catalog. 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 necessary.

### **Academic Advising**

All optometry students are assigned advisors by the Office of Student Affairs. Advisors work with students to facilitate their success in optometry school. Students may elect to choose and/or switch advisors.

### **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.

### **Repeating a Course**

Only the grade received on the final attempt will be used for calculating the cumulative grade point average and for meeting degree requirements. However, the student's transcript will show all attempts and will indicate that the course was repeated. A course repeated at another institution will not affect the University of Pikeville grade point average.

## GRADING SYSTEM

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

Percentage	Grade	Quality Points	Definition
97.00-100%	A+	4.00	Excellent performance, High Academic Achievement
93.00-96.99%	A	3.75	
90.00-92.99%	A-	3.50	
87.00-89.99%	B+	3.25	Good performance
83.00-86.99%	B	3.00	
80.00-82.99%	B-	2.75	
77.00-79.99%	C+	2.50	Acceptable performance
73.00-76.99%	C	2.25	
70.00-72.99%	C-	2.00	
Below 70%	F	0	Failure (below standard)
	AU	N/A	Audit
	I	N/A	Incomplete, must be resolved
	W	N/A	Withdrawal—authorized withdrawal from the program before the end of the semester

### **AU = Auditing**

Permission for course auditing may be granted by the Associate Dean of Academic Affairs and the instructor of record for a period not to exceed one semester. Auditors pay no tuition or fees. With audited classes, no credit is granted and a designation of “AU” will be assigned on the transcript.

### **I = Incomplete**

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 University of Pikeville - Kentucky College of Optometry 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 secondary 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 deadlines set by the instructor of record otherwise they may be converted to grades 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.

### **W = Withdrawal**

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. A "W" may also be assigned due to an extended leave of absence approved by the Associate Dean of Academic Affairs.

### **Reporting of Grades**

Student test, quiz, and lab scores are posted on Joule throughout the term. Final term course grades will not be posted until they become official in Web Advisor.

### **Determination of Grade Point Average**

Grade point average (GPA) are 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 one week of the final grade being officially posted in Web Advisor. This period may be extended by appeal to the Associate Dean of Academic Affairs in extraordinary circumstances.

In the event that the instructor of record is unavailable to change a grade, or if a student wishes to appeal a decision by the instructor of record not to change the final grade, the student must contact the Associate Dean for Academic Affairs in writing who will review the case and make a decision. The student may appeal a grade decision of the Associate Dean for Academic Affairs

by applying in writing to the Associate Dean of Academic Affairs who will review the case and make a final decision.

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 a student's 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.

### **Withdrawal from the University**

A student may withdraw from the University of Pikeville - Kentucky College of Optometry at any time. A student considering withdrawal should consult with the KYCO Office of Academic Affairs and KYCO Office of Student Affairs for guidance. Withdrawal must be stated in writing and exit forms completed through the KYCO Office of Student Affairs to avoid forfeiture of refunds and ineligibility for future readmission. In addition, 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.

### **Reinstatement**

A student dismissed for academic reasons, may appeal to the Academic Standards Committee (ASC) for reinstatement. It is the applicant's responsibility to demonstrate an improved plan and anticipated reasons for success, if reinstated.

### **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 may be eligible for academic probation when any of the following occur:

- The semester or cumulative grade point average is below 2.00.
- The student receives a grade of F in a semester, 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 Academic Affairs or the Office of Student Affairs.

Receipt of a failing grade in any course warrants a review by the ASC. The student will not advance in the program and his or her continued enrollment will be determined by the ASC who will review the student's overall academic performance and make a recommendation to the Associate Dean of Academic Affairs. 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 Associate Dean of Academic Affairs for approval. After a course of action is determined, any remediation schedule will be set by the Associate Dean of Academic Affairs and maintained by the Coordinator of Student Success, in communication with 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 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.

### **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. The student's performance will be reviewed by the Academic Standards Committee 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. Furthermore, the student must maintain subsequent semester and cumulative grade point average totals at 2.00 or higher to remain off academic probation.

### **Academic Dismissal**

If a student's academic or clinical deficiencies are judged to be irremediable by the Academic Standard Committee, the student may be subject to dismissal. Also, 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 less than a 1.00 grade point average 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;
- More than one course is failed in the same semester;
- A second failure occurs in the same course.

The student who is ineligible to continue will receive a notification of dismissal from the Dean. Any student who is subject to dismissal may choose to meet with the Academic Standards Committee (ASC) to appeal. This process is initiated by contacting the originator of the dismissal letter within ten (10) school days of the date of the letter.

Any student who is subject to dismissal must complete exit forms through the Office of 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 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 the dismissal letter within ten (10) school days of the date of the letter. This will result in the convening of the Academic Standards Committee (ASC). The ASC will consider such factors as, but not limited to, the student’s overall prior academic and performance, clinical proficiency, ability to meet the obligations, and demands of the profession, etc. to determine what is in the best interest of the student. Among other options, the ASC may require the student to repeat 1) a portion of the academic year in which the failure(s) were received; 2) the entire academic year in which the failure(s) were received; or 3) 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. At any time during the ASCs proceedings, a student may request that one (1) member of the committee be excused. The student also has the right to appeal the ASC’s decision to the Dean of the College. The ASC’s ruling may be appealed to the Dean of the College upon claims of the following: alleged errors in process; the penalty of dismissal is excessive; or discovery of new information. Furthermore, these hearings are not legal in nature; therefore, legal representation is not required. However, upon request, an advisor may be permissible.

The 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 ASC. 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 Office of the Associate Dean of Academic Affairs, 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 "I", "F", or "W" 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.

## **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.

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 access, the right to obtain copies, the right to seek 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
- Email (UPIKE)
- Phone number
- Photographs
- Major field(s) of study
- Dates of attendance
- Degrees awarded
- Major field of study
- Name of the undergraduate and/or graduate school attended
- Participation in officially recognized activities
- Weight and height of athletes
- Honors and award

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.

## **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 Registrar electronically. Supplemental grades such as "I" (Incomplete) grades or repeat courses for "F" grades must be submitted on an official *Request for Grade Change* form. Grade changes must be signed by the instructor and the Associate Dean of Academic Affairs 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 registrar. The registrar will comply as soon as possible. Under the law this must be done within 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 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](http://www.upike.edu)) and from the Quick Links pull-down menu select 'Transcript Request.' The student 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 177.59 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;
- 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 Associate Dean of Academic Affairs and the Director of Student Affairs, 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.

## 2016-2017 KYCO CURRICULUM

### First Year: Fall Semester

Department	Number	Course Title	Credit Hours
OPT	514	Clinical Skills I: Basic Optometric Theory & Techniques	4.5
OPT	515	Principles of Optics	4.5
OPT	516	Gross Anatomy, Histology & Radiographic Techniques	5.0
OPT	517	Genetics, Biochemistry & Metabolism	4.0
OPT	518	Leadership in Health Care & Personal Development I	2.0

Total Credit Hours 20.0

### First Year: Spring Semester

Department	Number	Course Title	Credit Hours
OPT	524	Clinical Skills II: Intermediate Optometric Theory & Techniques	4.5
OPT	525	Optics of the Eye & Clinical Implications	4.0
OPT	526	Ocular Anatomy & Ocular Histology	4.0
OPT	527	Immunology & Microbiology	2.0
OPT	528	Neuroanatomy & Neurosciences	5.0
OPT	529	Medical Physiology	3.0

Total Credit Hours 22.5

## ~ **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: 4.5

### **OPT 515 Principles of Geometric Optics**

This course covers fundamental wave optics, 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: 5.0

### **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: 4.0

### **OPT 518 Leadership in Health Care & Personal Development I**

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: 4.5

### **OPT 525 Optics of the Eye & Clinical Implications**

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. The optics of clinical instruments is presented. Laboratory experiences will complement lecture by demonstration of optical principles and observation of selected instruments. A wide array of devices such as corneal topographers (Placido and Elevation-based Topography) corneal tomography (Scheimpflug Imaging and Optical Coherence Tomography) will be presented in the laboratory.

Credit Hours: 4.0

### **OPT 526 Ocular Anatomy & Ocular Histology**

This course is a detailed study of the gross ocular anatomy 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: 4.0

**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: 5.0

**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: 4.5

**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 616 Ocular Physiology & Ocular Biochemistry**

This course completes the discussion of the biochemistry and function of specific aspects of the retina that were first introduced in OPT 615. The course addresses the physiology and biochemistry of other tissues such as the sclera, choroid, aqueous, the vitreous, the lens and the cornea. The homeostatic status and changes of these molecules are discussed in consideration of the changes brought about by aging. There is a discussion of the production of free radicals including oxygen free radicals and the quenching of some of these radicals by various vitamins.

Credit Hours: 1.5

**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: 3.0

**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: 4.5

### **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 I**

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 Posterior Segment Disease II**

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**

This course 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.

Credit Hours: 1.0

**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: 4.0

**OPT 726 Clinical Medicine: 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: 3.0

**OPT 727 Ophthalmic Surgery I: Laser Procedures**

This course provides instruction and laboratory experience in advanced ocular therapeutic laser procedures. Topics will include laser physics and 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: 2.0

**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**

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.

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: 2.0

### **OPT 736 Leadership in Health Care & Personal Development II**

This course will 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 737 Research Methodology**

This course 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: 1.0

### **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



**~ Personnel ~**

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*Director of Human Resources*

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*Chancellor*

*Governor of Kentucky (1995-2003)*

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*Assistant Dean for Clinical Affairs  
Associate Clinical Professor of Optometry*

Donald Egan, O.D., FAAO

*Founding Associate Dean of Academic Affairs  
Professor of Optometry*

Heather Keene, B.A., M.B.A.

*Executive Director*

# KENTUCKY COLLEGE OF OPTOMETRY

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George Asimellis, Ph.D.

*Assistant Professor of Optics*

Daniel H. Atchley, Ph.D.

*Associate Professor of Microbiology and Immunology*

*Associate Dean of Basic Sciences (KYCOM)*

Roya Attar, O.D.

*Clinical Assistant Professor of Optometry*

Felix M. Barker II, O.D., M.S., FAAO, DPNAP

*Professor of Optometry*

Boris Brian Boyanovsky, M.D., Ph.D.

*Assistant Professor of Anatomy (KYCOM)*

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*Vice President of Optometric Education and Founding Dean*

*Professor of Optometry*

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*Senior Clinical Instructor of Pharmacology*

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*Assistant Clinical Professor of Optometry*

James Kendall Cecil, O.D.

*Senior Clinical Instructor of Optometry*

Pierrette Dayhaw-Barker, Ph.D., FAAO

*Professor of Optometry*

Donald Egan, O.D., FAAO

*Founding Associate Dean of Academic Affairs*

*Professor of Optometry*

Steven R. Harris, Ph.D.

*Associate Dean for Academic Affairs (KYCOM)*

*Professor of Pharmacology and Physiology*

Adam Hickenbotham, O.D., M.P.H., Ph.D.

*Senior Clinical Instructor of Optometry*

Eilene Kinzer, O.D., M.Ed., VFL, FAAO

*Assistant Clinical Professor of Optometry*

Jesson Martin, Ph.D.

*Assistant Professor of Optics*

Ian McWherter, O.D., FAAO

*Director of Research*

*Assistant Clinical Professor of Optometry*  
Gregory Moore, O.D.  
*Senior Clinical Instructor of Optometry*  
Josephine Owoeye  
*Assistant Clinical Professor of Optometry*  
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*Associate Professor of Pathology (KYCOM)*  
James Rogala, O.D.  
*Associate Professor of Optometry*  
Renay Scales, Ph. D.  
*Director of Faculty Development*  
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*Associate Professor of Personal Development and Human Dignity*  
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*Gross Anatomy Laboratory Instructor (KYCOM)*  
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*President, University of Pikeville*  
*Professor of Medical Immunology*  
L. Kay Webb, Ph.D.  
*Associate Professor of Psychology*  
J. Michael Younger, Ph.D.  
*Assistant Professor of Biochemistry (KYCOM)*  
Dana R. Ziegler, Ph.D.  
*Assistant 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

Vice President	(606) 218-5510/Fax (606) 218-5509
Academic Affairs	(606) 218-5513/Fax (606) 218-5509
Student Affairs	(606) 218-5520/Fax (606) 218-5509
Admissions	(606) 218-5520/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 126 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