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INTRODUCTION

Welcome to the University of Houston College of Optometry. You are now a part of a rapidly expanding, challenging as well as rewarding profession. I hope your time at UHCO will not only prepare you for your future as an optometrist, but also provide you with a strong bond between your classmates and UHCO.

It is my hope that you will be a successful student and that you will learn as much as you can before you graduate. Please take advantage of every learning opportunity. Optometry is a rewarding profession and your future will provide a lot of satisfaction but you will have to work hard to complete your education.

Whether you are a new or returning student, there will undoubtedly be some challenges that will interfere with your normal progression through the curriculum. At times there may be obstacles that might seem insurmountable. Be aware that you are not alone and if you need help don't hesitate to ask in the Office of Student Affairs. We are here to help and it is important for you to let us know if you experience any problems that may interfere with your classes. The very fact that you documented your difficulty with us is an important first step. If we cannot help, we can refer you to others who may be able to assist.

The University of Houston College of Optometry Student Handbook is provided to you as a guide to acquaint you with UHCO's faculty & staff, professional optometry program, academic standards, student services & organizations and optometric curriculum. Please read it and save it for future use. If you have any questions about the content of this handbook, please contact the Office of Student Affairs and Admissions.

This handbook is complemented by other resources available to you. Please feel free to refer to these documents:

- The University of Houston Student Handbook
- The University of Houston Graduate and Professional Studies Catalog
- The UHCO Survival Guide for your class
- The University Eye Institute Policies Manual (available to second year students)

Additionally, there are several websites with additional information and resources available for you.

- | | |
|---------------------------|---|
| The University of Houston | http://www.uh.edu/ |
| UHCO | http://www.opt.uh.edu/ |
| UHCO's intranet site | http://intranet.opt.uh.edu/ |
| UHCO's email site | http://alumni.opt.uh.edu/ |

The UHCO's intranet is also a valuable resource for course material and the ***Academic Policies and Procedures of the College of Optometry***. This is the official policy of the College with regard to academic issues and contains the **Honesty Code**. This document details both your responsibilities and those of the faculty and administration. It is expected that you read and adhere to this policy.

Please keep your address information current in the Student Affairs Office. A form should be completed anytime your address or telephone changes. This form is available in the Student Affairs Office and also on the intranet.

A word of advice: pay attention to your alumni e-mail account. E-mail is the most efficient way for us to stay in touch. Check your e-mail once daily if not more often.

Finally, if you wish to assist in the Office of Student Affairs, we need student help to promote the college, conduct admission interviews and tours. These activities do not go unnoticed and provide you the opportunity for continued community service and result in a sense of belonging. Please volunteer to help.

Finally, I wish you success with your future in optometry.

Best wishes,

A handwritten signature in black ink, appearing to read "Lanny Shulman". The signature is fluid and cursive, with a long horizontal stroke at the end.

Lanny Shulman, O.D., Ph.D.

Assistant Dean for Student Affairs & Admissions

CONTACT INFORMATION

Administrators

Earl L. Smith, III, O.D., Ph.D.	Dean	713-743-1885	esmith@uh.edu
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Marcus G. Piccolo, O.D.	Associate Dean for Professional Advancement	713-743-1971	mpiccolo@uh.edu
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School Closings 713-743-1000

Emergency 713-743-3333

College Personnel

Name	Position/Office	Phone*	Email Address	Rm.
Applegate, Raymond	Faculty	713-743-1957	rapplegate@uh.edu	2148
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Ybarra, Lupe	Student Affairs	713-743-2048	lybarra@optometry.uh.edu	2171
Younes, Mona	Faculty		myounes@optometry.uh.edu	..

* When calling from a campus phone, only the last 5 digits are needed.

Campus Offices

Name	Phone*	Room	Area Coord.
Cornea & Contact Lens Service	713-743-2015	1301	Delores Gibson
Equipment Room	713-743-1928	1219	Marc Eaton
Family Practice Service	713-743-2020	1164	Liz Brannon
Fax	713-743-2053	2195	
Library	713-743-1910	2226	Suzanne Ferimer
OD and Medical Eye Service	713-743-2010	1320	Bryan Bewley
Optical Service	713-743-2030	1228	Mark Rice
Optometric Student Association	713-743-2028	2205	
Optometry Student Association Equipment Room	713-743-2027	2204	
Pediatric & Binocular Vision Service	713-743-2005	1338	Viola Rivera
Records	713-743-1922	1208	
Student Affairs	713-743-2040	2171	Lanny Shulman
Student Lounge A	713-743-2025	2203	
Student Lounge B	713-743-2026	2203	
UEI Business Administration	713-743-1837	1207	George Mazzetta

* When dialing from a campus phone, only the last 5 digits are needed.

Off-Campus Clinics

Clinic	Phone	Address
Baylor Low Vision	713-798-6100	6550 Fannin, Houston
Good Neighbor Healthcare Center Eye Clinic	713-527-8480	277 W. Gray, Houston
Montrose Clinic	713-830-3000	215 Westheimer, Houston
San Jose Clinic	713-228-9411	301 Hamilton, Houston
Rusk Elementary	713-227-5160	2805 Garrow, Houston

ADMINISTRATION

Dean: Earl L. Smith III, O.D., Ph.D., University of Houston

Associate Dean for Professional Studies: Roger L. Boltz, O.D., Ph.D., University of Houston

Associate Dean for Clinical Education: Nicky R. Holdeman, O.D., M.D., Texas Tech University

Associate Dean for Graduate Studies & Research: Laura Frishman, Ph.D., University of Pittsburgh

Associate Dean for Professional Advancement: Marcus Piccolo, O.D., Pennsylvania College of Optometry

Assistant Dean for Student Affairs & Admissions: Lanny Shulman, O.D., Ph.D., University of Houston

Chair, Department of Basic Sciences: Ron Harwerth, O.D., Ph.D., University of Houston

Chair, Department of Clinical Sciences: Sam Quintero, O.D., University of Houston

Faculty Chair: Greg Stephens, O.D., Ph.D., Ohio State University

Director of External Education: Ralph J. Herring, O.D., University of Houston

Director of Learning Resources: Suzanne Ferimer, M.L.S., University of Kentucky

Director of Continuing Education: Jennifer Ebert, B.A., University of Houston

Director of Technical Services: Chris Kuether, B.M., Indiana University

The College of Optometry is one of the University of Houston's fourteen schools and colleges. Established in 1952, the college moved to its present location in 1976. Having undergone several renovations since then, the current site, now named the J. Davis Armistead Building, is one of the most modern optometric facilities in the world. The College is accredited by the Council on Optometric Education of the American Optometric Association.

The University Eye Institute is the setting for the clinical patient care components of the curriculum. The College of Optometry involves students in patient care in the clinical services throughout the four-year professional program, and the students' responsibility and specialization in patient care increases as they progress in their education. During the fourth professional year, students take part in on-campus patient care activities and didactic courses and spend two semesters (32 weeks) in external health care facilities practicing primary eye and vision care. Equipped with the latest ophthalmic instruments, the clinical services provide students with learning opportunities in family practice, cornea and contact lens care, vision therapy, vision rehabilitation, pediatric and binocular vision optometry, geriatric optometry, ocular diagnosis, electrodiagnosis, medical eye care, and telemedicine. More than 30,000 patients visit the University Eye Institute and its affiliated clinics each year.

OPTOMETRY CALENDAR

Because of its clinical activities, The College of Optometry may use an academic calendar different than that of the University of Houston. This information is provided directly by the college each academic year.

EDUCATIONAL PROGRAMS

The college's goals are to provide educational programs essential to rendering high-quality, comprehensive optometric care; to add to the body of knowledge and the applications of the vision sciences; and to provide leadership in the improvement of optometric patient care. All programs and activities of the college serve one or more of these educational, research, or service purposes.

The college's institutional objectives are to achieve and to sustain standards of excellence in teaching, research, and patient care; to create a climate in which faculty and students cooperatively pursue processes of inquiry that result in effective learning; and to help lead the optometric profession toward its highest potential for human service.

Doctor of Optometry Program

The College of Optometry's major responsibility is to educate and train students who, upon graduation, are able to provide all of the diagnostic and treatment services that

characterize the general practice of optometry. To fulfill this broad purpose, the college's faculty has designed a curriculum that meets the following educational objectives:

1. To extend students' ability to understand, communicate, and critically evaluate ideas.
2. To increase the students' knowledge and understanding of research methods within natural, physical, and behavioral sciences relevant to understanding vision sciences and optometric competence.
3. To instill in students a mastery of the subject matter of vision sciences and a commitment to keep abreast of new information.
4. To develop in students competence in applying scientific knowledge and capability in making judgments in the diagnosis and treatment of human visual problems.
5. To foster in students a deep sense of responsibility for patients' best interests, thus achieving a perspective based on high standards of professional conduct and ethics.
6. To teach students the history of optometry and its role in public health.

Master of Science and Doctor of Philosophy Programs

In addition to the professional program in optometry, the college offers a graduate program in Physiological Optics/Vision Science that prepares students to earn a Master of Science degree, a Doctor of Philosophy degree, or both, and thereby embark on a career in teaching and research in the basic science of vision.

Students who have a Bachelor of Science or higher degree from a field such as optometry, physiological optics, medicine, ophthalmology, anatomy, physiology, bioengineering, and biophysics are eligible for admission to this program.

The need for new knowledge in the vision sciences is great, and teaching and research opportunities are numerous in an array of academic, industrial, and professional settings. Students interested in a career in teaching and research in physiological optics may obtain additional information about the graduate program by contacting the Office of Graduate Studies and Research.

O.D./Ph.D. Program

A combined O.D./Ph.D. program is also offered. This program is designed for individuals seeking a career in academic optometry involving teaching, research, and leadership. Information is available

through the Office of Graduate Studies and Research.

Continuing Education

The Office of Continuing Education provides postgraduate clinical training, continuing education for optometrists in the state and region, training of allied personnel, and placement services for optometry graduates.

Clinical Residencies

Several one-year clinical residencies are offered for optometry graduates interested in additional training and experience. About 10% of optometry graduates select residency training and this percentage is steadily increasing. Students may apply for residency training during their last year of optometry school.

The residency programs at UHCO include Pediatric Optometry, Cornea and Contact Lens, Rehabilitative Optometry, Family Practice Optometry, Ocular Disease/Refractive and Ocular Surgery, Neuro-Ophthalmology Telemedicine, Veterans Affairs, and a Master of Science Degree combined with any of the other residencies.

ACADEMIC POLICIES AND PROCEDURES

Registration

All registration is done online through People Soft. <http://www.uh.edu/peoplesoft/mypeoplesoft/>

Tutoring and Counseling

Tutoring and counseling services are available through the Office of Student Affairs. Students may drop by any time, or call 713-743-1847 to schedule an appointment.

Learning Support Services (LSS)

Learning Support Services offers assistance in study skills, time management and test anxiety. Counselors are familiar with the demands of the optometry program and have experience with counseling optometry students. All services are funded by Student Service fees and are free to currently enrolled students. LSS is located in room 321 Social Work building, 713-743-5411.

Grading Policies

Final course grades are determined by the instructor of record. All final grades are reported to the college's Office of Student Affairs for posting on the student's permanent record.

The faculty of the college have the responsibility of determining a student's qualifications to

practice optometry. Personal integrity, initiative, motivation, and a professional attitude are essential attributes of optometrists. Therefore, while the grading of written, oral, and practice examinations represents the basic source of evaluating performance, these additional factors may be considered in determining the final grade in a given course.

Scholastic Honors

At the end of each semester, the Dean's Office publishes a Dean's List of those students in each class whose cumulative grade point average and last semester grade point average are 3.50 or above.

Students who earn a grade point average between 3.75 and 4.00 for optometry course work are eligible to graduate *summa cum laude*. Those who earn a cumulative grade point average between 3.50 and 3.74 are eligible to graduate *magna cum laude*.

The University of Houston Chapter of Beta Sigma Kappa, the national optometric honor society, offers membership to students who maintain at least a 3.50 grade point average through the first year, a 3.40 through the second year, a 3.30 through the third year, and a 3.20 through the fourth year.

Phi Kappa Phi is a national university honor society that offers membership to students meeting its academic and personal standards.

In addition, each year the college awards honors based on excellence in various aspects of academic performance and patient care.

Calculation of GPA

Grade point averages (GPA) are calculated and recorded at the conclusion of fall, spring, and summer semesters. If any course in the professional program is repeated for any reason, both grades in the course are used in calculating GPA. While grades earned for courses completed at another university are not used to calculate GPA, course credit may be accepted at the discretion of the Associate Dean for Professional Studies or recommendation of the Admissions Committee.

Grades in the College of Optometry are awarded in each course at the end of the semester as follows:

A EXCELLENT: Demonstration of consistent outstanding performance in the comprehension and interpretation of the subject.

B GOOD: Demonstration of comprehensive knowledge of the subject and marked ability to interpret it.

C FAIR: Demonstration of comprehensive knowledge of the subject.

D UNSATISFACTORY: Demonstration of an unacceptable level of understanding in some important area of the subject.

F FAILING: Failing work or withdrawal while doing failing work.

S/U The grades of S (Satisfactory) or U (Unsatisfactory) are awarded for most instances of clinical performance.

I INCOMPLETE: The grade of I (Incomplete) is a conditional and temporary grade given when a student is passing a course but for reasons beyond his/her control, has not completed a relatively small part of all requirements. The grade of I must be changed to a letter grade by fulfillment of course requirements within one academic year of the date awarded, or it will be changed automatically to a F. An I may be changed to a W only if an administrative withdrawal is granted by the Dean.

W WITHDRAW: The grade of W (Withdrawn) indicates that (a) the student was passing, or (b) no evaluative data was available at the time the student dropped the course. It is the responsibility of the student to initiate the action to drop or withdraw from a class. A student who fails to do so will be retained on the class rolls even though he/she may be absent for the remainder of the semester. In such instances, a grade of F will be awarded unless the conditions for a grade of I have been met.

- The symbol (•) may be used to indicate that a student is performing satisfactorily in a course that continues beyond a given grading period.

The GPA is the quotient obtained by dividing the total number of grade points earned by the number of semester hours in which a student is enrolled. Required courses awarded a grade of "F" must be repeated until they are passed, and all of these grades must be used to calculate the GPA. In computing the grade point average, decimals beyond two places are truncated, not rounded.

For students entering the college in fall 1997 or before, grade points are awarded as follows for each semester hour:

A	=	4.00	D	=	1.00
B	=	3.00	F	=	0.00
C	=	2.00			

For students entering the college in fall 1998 or after, grade points are awarded as follows for each semester hour:

A	=	4.00	C	=	2.00
A-	=	3.67	C-	=	1.67
B+	=	3.33	D+	=	1.33
B	=	3.00	D	=	1.00
B-	=	2.67	D-	=	0.67
C+	=	2.33	F	=	0.00

Grades of S, U, I, W, and (*) are not assigned grade point values, and are not used in the computation of the GPA.

Some courses are graded on a satisfactory/unsatisfactory scale. These grades are not used in the calculation of the GPA, but will be used in the consideration of appeals of academic suspension or probation.

If a student receives an incomplete (I) during the semester that he/she is placed on probation or suspension, the Academic Committee will not consider the final grade received for the course even if the course work is completed prior to the date the student files an appeal for reinstatement.

Academic Probation and Suspension

A full-time student in the professional program will be placed on *academic probation* at the end of a semester or summer session in which his or her semester grade point average falls below 2.00.

A student will be *suspended* from the professional program for academic reasons under any or all of the following conditions:

- the student is placed on academic probation for two consecutive semesters or three nonconsecutive semesters, including any full-time summer session;
- the student earns a grade lower than a "C" (i.e. grading of C- or lower) in four or more courses in any semester;
- the student's cumulative grade point average falls below a 2.00 in any semester after the first semester in the program; or
- the student earns a semester grade point average of 1.00 or below in any semester.

The placement of students on academic probation or suspension is carried out automatically and does not require initiating or confirming action by the Dean, the Academic Committee, or any other administrative unit. Every effort will be made by the college's Office of Student Affairs to notify students placed on academic probation or suspension. However, failure to provide students with notification of their academic status does not nullify academic probation or suspension. Each

student is responsible for knowing his or her academic status before attempting to enroll for the subsequent semester.

Besides the conditions for automatic academic probation or suspension, the Academic Committee may recommend that the Dean place or continue a student on academic probation when the student's academic performance is unsatisfactory. The committee may also recommend that the Dean suspend a student from the professional program when the student's academic performance suggests that he or she will not be able to successfully complete the program. A student may also be placed on probation or suspended if the associated clinical coursemaster recommends either of these actions based upon the criteria outlined in the clinic manual and summarized in the appended document, "Criteria for Clinic Probation and Suspension." If a recommendation for probation or suspension which is not automatic is made by the committee and accepted by the Dean, the student will be notified by the Dean's office within five (5) working days of the Dean's decision.

Removal from academic probation or suspension may be granted on appeal. Students must initiate all appeal procedures. Appeals of these actions within the college will be filed with the college Academic Committee. A student considering an appeal must consult with the Director of Student Affairs and may select additional advisors. Appeals must be stated in writing and delivered to the chair of the Academic Committee within two weeks after the last final examination as posted on the University Calendar. Appeals will ordinarily be granted only in the presence of extenuating circumstances and when subsequent improvement seems likely.

A student who has been suspended and is involved in the appeals procedure within the university is permitted to continue in school as long as the appeals procedure is in progress.

A student who has been placed on academic probation and who fails to raise his or her cumulative grade point average above a 2.00 in the subsequent semester, but who nevertheless achieves a semester grade point average of 2.50 or better, and who has no individual course grade below a "C," may be retained on academic probation.

Students placed on suspension for academic reasons may continue in the professional program only with the recommendation of and under the conditions specified by the Academic Committee and approved by the Dean. These conditions may exceed those demanded of students at the same level who are not on probation or suspension.

Students on suspension who fail to matriculate for a particular semester either because they did not file appeal in a timely manner or such an appeal was denied, must apply to the Admissions Committee for readmission to the College of Optometry. The suspension must stand for a period of at least one year. These students can only be readmitted by the Admissions Committee in competition with other current applicants. They may only be readmitted following consultation between the Admissions Committee and representatives of the Academic Committee. The Admissions Committee will then determine whether admission will be granted while the Academic Committee will determine the level at which the student is to be readmitted. Any student readmitted at a level other than the Fall semester first year will be on probation for a minimum of one semester. During this time, his/her class schedules must be approved by the Associate Dean for Professional Studies. The Academic Committee will recommend which courses, if any, must be repeated. Suspension does not require two semesters below a 2.00 but may occur at any time the student fails to satisfy any of the stipulated requirements, fails to show sufficient improvement in coursework, or fails to perform in a satisfactory manner in clinic.

Clinical Probation, Failure, and Suspension

The University of Houston College of Optometry is committed to producing competent clinicians who can render appropriate vision care and therapeutic treatment to their patients. In order to achieve this goal, students must successfully complete and achieve a grade of "Satisfactory" for their clinical rotations. Failure to do so results in Clinical Probation, Failure, or Suspension, as described below:

Clinical Probation

Students demonstrating consistently marginal performance will be placed on clinical probation. Students placed on clinical probation must demonstrate "Satisfactory" performance in all rotations (perform at the level expected for a student at that particular point in the program) by the end of the next semester or he/she will receive a grade of Unsatisfactory. A failure ("Unsatisfactory") generated in such a manner will result in a recommendation of suspension by the clinical course master.

Failure (Unsatisfactory Clinical Performance)

Students who demonstrate serious deficiencies (perform well below expected level) in examination skills, assessment and/or treatment planning—thus potentially jeopardizing the

patients' health, comfort and/or visual efficiency—will receive a grade of Unsatisfactory. Other reasons for an Unsatisfactory rating include, but are not limited to, failing to observe and/or record obvious ocular abnormalities, consistently maintaining inadequate records, unprofessional conduct, or entering false data. Students must repeat any clinical semester for which they receive a grade of Unsatisfactory.

Clinical Suspension

Students placed on Clinical Probation must demonstrate "Satisfactory" performance in all rotations (perform at the level expected for a student at that particular point in the program) by the end of the next semester or he/she will receive a grade of Unsatisfactory for both semesters and thus be suspended. Any combination of two semester grades of Clinical Probation OR Unsatisfactory will result in suspension from the College of Optometry. Clinical assignments, if any, for students on suspension awaiting appeal will be determined by the Dean of the college in consultation with the clinic director and the appropriate course master.

Procedures for Clinical Probation, Failure, and Suspension

If a student is placed on Clinical Probation at the midterm evaluation, he/she has until the end of that same semester to successfully complete the semester's clinical work. If the student is not at expected level by the end of the semester, a grade of Unsatisfactory for that semester's clinical work will be given.

Students placed on Clinical Probation at the end of a semester will receive an "I" for that semester and must demonstrate Satisfactory performance (be at the level expected for a student in that semester) by the end of the next semester. If the student does not achieve Satisfactory performance by the end of the next semester, he/she will receive two semester grades of Unsatisfactory (one for the semester in which he/she received an "I" and one for the current semester).

A student cannot advance to the next clinical year while on Clinical Probation. In the third or fourth year, probation or failure of any clinical rotation will result in a semester grade of Probation or Unsatisfactory for the entire semester's clinical course. If a student is placed on Clinical Probation for two or more rotations in a semester, he/she will automatically fail that semester's clinical course.

Optometry II

Optometry II clinical rotations include interpersonal skills workshops, primary care clinic, dispensary, and vision screenings (fall and spring semesters only). Students placed on Clinical Probation at the end of the spring OPT II term will repeat a semester of clinical work during the first seven weeks of the summer term following the spring OPT II term. If successfully completed, the student will then progress to OPT III clinics which he/she will complete during the second seven weeks of the summer term. Should that same student now fail or be placed on Clinical Probation for an OPT III clinic session, the student will be suspended from the clinical program due to the accumulation of two Probations and/or Unsatisfactory grades.

Optometry III

If a student is placed on Clinical Probation for a summer session, he/she will enter the fall semester on probation. The student cannot register for the second summer session for the purpose of removing Clinical Probation. If a student receives an Unsatisfactory grade either the first or second summer session, he/she must repeat the summer semester's work during the fall semester.

Any student placed on Clinical Probation or Unsatisfactory for the last semester of OPT III clinics must successfully complete another semester of all OPT III clinics prior to entering OPT IV. That student cannot register for OPT IV clinics prior to successfully completing the OPT III clinical year.

Optometry IV

Students who have previously received a grade of Clinical Probation or Unsatisfactory in any prior semester will not be allowed to begin an externship during the first semester of OPT IV. The student may appeal this provision to a committee composed of the clinic course masters, Clinic Director, and Director of Externships. This appeal must be presented in writing to the Associate Dean for Professional Studies.

Outcomes

The status of Clinical Probation and Unsatisfactory performance will be monitored by the appropriate clinical course master. The course master will notify the student in writing concerning his/her clinical status. The course master will also inform the Academic Committee chair and place a letter in the student's academic file concerning the student's status of Probation, Unsatisfactory Performance, or Suspension. The Academic Committee chair will be notified by clinical course

masters at the end of each semester regarding each probationary student's clinical status. Letters of suspension will be sent to the student through the Dean's office. The student may appeal the suspension by notifying the chair of the Academic Committee within two weeks of notification of the suspension.

College Academic Committee

The Academic Committee acts as advisor to the Dean, who may accept, reject, or modify the Committee's recommendations. The Dean may also seek advice from the Committee on academic or student issues. The Director of the Office of Student Affairs serves as advisor and resource person to the student involved and sits on the Academic Committee as an *ad hoc* (non-voting) member. The Academic Committee serves as the standing committee of the faculty to hear appeals of the following academic issues:

Academic Probation. Probation is automatic under the rules described elsewhere; it does not require action by the Committee. The Committee will hear appeals of this administrative action.

Academic Suspension. Same as above.

Disputes regarding course grades. The awarding of grades is the responsibility of the course instructor. If a student wishes to appeal a course grade, he or she should first discuss the matter with the responsible instructor. Before a student approaches a professor seeking a change of grade, he/she must obtain the necessary forms from the Office of Student Affairs. Alternatively, the student may wish to arrange a joint consultation with the instructor and the concerned department chair. Finally, if not resolved to his/her satisfaction, the student may appeal to the Academic Committee.

Requests for a Leave of Absence. Requests for Leave of Absence should initially be presented to the Associate Dean for Professional Studies who may recommend to the Dean the granting of the request and may outline requirements for return to the college. If the circumstances surrounding the request are complex, or if the student is not in good academic standing, the Associate Dean will refer it to the Academic Committee for a hearing. The Committee will consider issues which, in the student's opinion, justify a leave of absence from the professional program. Students wishing to receive this type of consideration must submit written requests to the Associate Dean. Should the student be denied a Leave of Absence by the Associate Dean, he/she may appeal that decision to the Academic Committee.

Charges of academic dishonesty. The objective of an academic dishonesty hearing is to determine whether or not an accused student

violated college and/or university policy, and, in the event of a violation, to assess an appropriate consequence. In the event of a charge of dishonesty, the chair of the Academic Committee handles all notices from faculty members and students. Unless there is a specific rule governing the particular matter, the chair of the Committee may adopt any reasonable procedure, including order of proceedings, to carry out the objectives of the hearing.

Academic Dishonesty

The information below is a summary of the college's Dishonesty Policy. A complete description of the college's Academic Policies and Procedures may be obtained through the Dean's Office or the Office of Student Affairs and is also available on the intranet.

Categories of Academic Dishonesty

Academic dishonesty is a serious breach of ethics and professional conduct. A student who engages in academic dishonesty will be expelled from the college.

Following are examples of academic dishonesty:

- stealing tests or grade books from faculty offices or elsewhere;
- using notes to aid in answering questions during examinations;
- getting another student to take a test;
- plagiarizing;
- changing answers or grades on a test after the test has been returned;
- giving or receiving aid during an examination;
- using another person's laboratory result as one's own;
- falsifying results in laboratory experiments;
- miss-shelving books with the intent of reducing access by other students;
- using mail-order or Internet term papers;
- seeking information about exam questions by a student who is taking the exam after the rest of the class;
- falsifying clinic data or records;
- any conduct which a reasonable person in the same or similar circumstance would recognize as dishonest or improper in an academic or patient care setting.

College Dishonesty Hearings

A faculty member who has reasonable grounds to believe that a student has engaged in academic

dishonesty is required to: 1) notify the student about the accusation, specifically identifying and describing the alleged offense; and 2) notify the chair of the UHCO Academic Committee or, at his/her discretion, consult directly with the Associate Dean for Professional Studies, the person designated by the College as the investigator in cases of alleged academic dishonesty.

A college hearing is investigative rather than adversarial. The chair of the Academic Committee will give the accused student written notice of the time and place of the college hearing. College hearings will be tape-recorded in accordance with university regulations. Any evidence that the Committee considers relevant may be received at a hearing. Students have the responsibility of reporting alleged academic dishonesty to either the appropriate faculty member involved or to the Associate Dean.

The Academic Committee will send a comprehensive report complete with enforcement recommendations to the Dean, who has final jurisdiction in the case.

NON-ACADEMIC REGULATIONS

Rules of Conduct

Except for the following rules of conduct and those relating to academic matters, students promulgate their own behavior codes through approved student organizations and student committees established in cooperation with the Office of Student Affairs. The college assigns great importance to self-discipline, the ability to work effectively with others, and the ability to conduct oneself in a professional manner. A demonstration of deficiency in any of these qualities will be deemed as evidence that the student is not suited to a professional career.

The faculty of the college has the authority to establish and maintain standards of ethical and personal conduct for students in the professional degree program. The Dean is responsible either for enforcing all rules governing student affairs or for delegating the enforcement to others.

By accepting admission to the College of Optometry, students indicate their willingness to subscribe to and to be governed by these rules and regulations. They acknowledge the right of the college and the university to take disciplinary action, determined through regular process, either for failure to abide by such rules and regulations or for conduct determined by such process to be detrimental to the college or the university. The college may terminate enrollment of any student at any time for what the faculty and administration

believe to be good and sufficient reasons, such as cheating, plagiarism, misuse of university property, or unprofessional conduct.

It is the responsibility of students to become familiar with the various regulations of the university and the college and to meet the conditions they impose.

Right to Privacy

Privacy of student records and other personal information is protected under the Federal Family Educational Rights and Privacy Act of 1974, as amended (PS. 93-380), and by policies issued by the university. Students who have specific questions concerning government and university policies on privacy should consult the Office of Student Affairs. Transcripts and other personal information will be released by that office only upon receiving written permission from a student or from persons authorized by law.

Sexual Harassment Policy

Sexual Harassment is unwelcome behavior of a sexual nature. "Unwelcome" behavior is determined by the *recipient*. It is not the *intent* behind the sexual behavior that counts, but its *impact* on the recipient that constitutes sexual harassment.

Sexual harassment may include:

- use of graphic or degrading verbal, written, or electronic comments of a sexual nature about a person;
- verbal remarks of a sexual nature, including sexually offensive jokes;
- any unwelcome physical contact (touching, pinching);
- actual or threatened physical assault.

These behaviors constitute sexual harassment when such conduct:

- is used as a basis for evaluation in making academic or personnel decisions affecting an individual; **or**
- creates an intimidating, hostile, or offensive environment.

Protection from sexual harassment applies not only to instructional and workplace settings, but also to clinical settings, where the person exhibiting the inappropriate behavior may be a patient, relative of a patient, or anyone working in the clinic.

Sexual Harassment is illegal. Specifically, it is a form of sex discrimination that violates Titles VII and IX of the Civil Rights Act which prohibit sex discrimination and harassment of students and all

employees in academic institutions. The University of Houston and the College of Optometry prohibit all forms of sexual harassment by its employees, students, off-campus personnel, and campus visitors.

Sexual Harassment is not limited by gender or by superior-subordinate relationships. Although most frequently experienced by women in subordinate positions, it may also be experienced between peers, members of the same sex, or by subordinate to superior.

Course of Action

Harassment by a patient. If you believe you are being sexually harassed by a patient in a UHCO clinic, you should excuse yourself from the examination room and notify the service director immediately. This person will assist you in managing or resolving the situation. No student is ever expected to remain in a harassment situation in a clinic (internal or external), a classroom, or any other setting of the college. Sexual harassment is rare, but it does occur and is unacceptable in the college and the university. Students, like other professionals, are expected to understand what constitutes sexual harassment and to act accordingly.

Other circumstances. If you believe you have been sexually harassed by someone other than a patient, you may seek to resolve the complaint with the Dean of the college or the Director of Student Affairs. You may also contact the University Affirmative Action Office (713-743-8835) to receive counseling or to file a formal complaint.

Ignoring sexual harassment does not make it go away. Students should speak up, tell someone, keep a record of what happened, and seek support and counseling.

Code of Ethics

The following Code of Ethics was approved by the American Optometric Association in 1944.

It Shall be the Ideal, the Resolve, and the Duty of the Members of the American Optometric Association:

- | | |
|------------|--|
| TO KEEP | the visual welfare of the patient uppermost at all times; |
| TO PROMOTE | in every possible way, in collaboration with this Association, better care of the visual needs of mankind; |

TO ENHANCE	continuously their education and technical proficiency to the end that their patients shall receive the benefits of all acknowledged improvements in visual care;
TO SEE THAT	no person shall lack visual care, regardless of his financial status;
TO ADVISE	the patient whenever consultation with an optometric colleague or reference for other health professional seems advisable
TO HOLD	in professional confidence all information concerning a patient and to use such data only for the benefit of the patient;
TO CONDUCT	themselves as exemplary citizens;
TO MAINTAIN	their offices and their practices in keeping with professional standards;
TO PROMOTE	and maintain cordial and unselfish relationships with members of their own profession and of other professions for the exchange of information to the advantage of mankind.

Providing Information

All students are responsible for keeping the college's Office of Student Affairs informed of their current local address, telephone number, home address, home telephone number, and where they may be reached if employed.

Nonacademic Disciplinary Action

Any student who engages in an act that violates existing student life policy is subject to disciplinary action, including dismissal. Moreover, students who demonstrate blatant disregard for the rights of others or who show other unprofessional conduct may be dismissed from the college.

Leave of Absence

Requests for a leave of absence must be submitted in writing to the Associate Dean for Professional Studies, who will, in turn, refer such requests to the Academic Committee for its recommendation.

Personal Attire and Hygiene

Since the treatment of patients occurs in close proximity to classrooms and laboratories, each student is expected to dress appropriately and in a professional manner. Students who are not properly attired or who have not observed adequate personal hygiene may be barred from patient areas by the faculty.

Hazing

Initiations by organizations may involve no action that is either dangerous or degrading to students.

Grievances

Students have the right to appeal any action they feel is unfair or in error. The Office of Student Affairs will work closely with students to initiate the appeals procedure and to give advice. All appeals must be presented in writing to the Dean. If an appeal is determined to warrant a hearing, the Academic Committee will serve as the hearing committee. Finally, the student may appeal an unfavorable decision by the Dean to the university's Senior Vice President for Academic Affairs. Contact the Office Ombudsman Services (713-743-9112) for additional information.

Extension of Educational Program

Students in good standing may develop a plan for extending their educational program beyond the minimum time of four years. Such plans should be submitted to the Associate Dean for Professional Studies. The Academic Committee will then be asked to judge the academic feasibility of the student's plan. Approval to the plan will be given by the Associate Dean upon receiving the Committee's positive recommendation.

External Clinic Rotations

Students spend 32 weeks in interdisciplinary clinic rotations during the fourth year. Several of these clinics are in or near Houston and require no extra expense except for transportation. Other externship sites are located in other regions, states, or countries. Current externship sites are listed in this Student Handbook. Updates are available in the Office of External Programs, room 2190. Students should plan ahead for additional transportation and room and board expenses for extern assignments outside the Houston area.

I.D. Cards

Each student is required to have in his or her possession a photo-I.D. card issued by the University of Houston. This card may be obtained at the time of tuition payment, or at any time afterwards in the Cougar One-Card Office in the University Center. Phone 713-743-2273 for more information.

Parking

Adequate parking spaces for students are provided in the parking lot at the rear of the optometry building. Student vehicles parked in the patient area or any other unauthorized spaces on campus will be towed at the owner's expense. Optometry students who park in the patient parking area may be charged with unprofessional conduct.

FINANCIAL INFORMATION

For complete information about loans and scholarships or to obtain needed forms, contact the financial aid officer in the Office of Student Affairs. Following is a brief description of financial requirements and available resources.

Books and Equipment

Students are required to have access to designated textbooks and equipment. Books and supplies purchased at the University Bookstore cost approximately \$800 during the first year. Estimated books cost are approximately \$650 for the second year and \$550 for the third year. Costs for the fourth year are substantially less. Students may be required to purchase a laptop or notebook computer.

Students may purchase required equipment for the first year of study through the Optometric Student Association for slightly below cost, which is now approximately \$4,500. Trial lenses and hand-held instruments—a retinoscope, direct and indirect ophthalmoscopes—are some of the required pieces of equipment that are used throughout the student's educational career and later in professional practice. A service policy may be purchased with the equipment. Students receive specific equipment lists and information concerning purchase and rental possibilities prior to enrollment.

Educational Costs

Tuition rates for 2007 - 2008 for all UHCO students will be \$346 per semester credit hour for Texas Residents and \$621 per semester credit hour for non-residents plus the mandatory University and College fees. Tuition and mandatory fees for first year students will total approximately \$15,873 (Texas residents) and \$26,598 (out-of-state residents).

Student Employment

The optometry curriculum requires the major portion of a student's time and concentration. During the first academic year, students should outline a financial plan that does not require them to work. College assignments and clinical duties

cannot be altered to fit work schedules. Students should discuss the possibility of any employment with the Director of the Office of Student Affairs to determine if their academic performance would be jeopardized.

Work-study funds and a limited number of teaching and research assistantships are available for upper-level students with excellent academic records.

Scholarships and Financial Aid

Before pursuing a degree in Optometry, students must consider a sound financial plan for their educational expenses early in their decision-making process. Financial assistance may or may not meet all of the student's expenses. Eligible students will be awarded as much financial assistance as possible but not beyond their cost of attendance (budget). All financial aid awards are based on information provided on the Free Application for Federal Student Aid (FAFSA) (www.fafsa.ed.gov) needs analysis form. A Student Aid Report is sent to the student approximately 3 to 4 weeks after the FAFSA has been received and processed. Financial aid is not awarded until the Student Aid Report is on file at the university.

Many of the financial aid programs are funded either by governmental agencies or sponsoring individuals and organizations and therefore may be changed or eliminated at any time. All aid programs are subject to the rules, regulations and guidelines of the U.S. Department of Education, State of Texas, University, UH Office of Scholarships and Financial Aid and the College of Optometry Scholarship and Financial Aid Committee. There are no special loan application forms for the Federal loan programs or grants. Applicants who complete the FAFSA may be eligible for these loan programs. Early applicants are given first consideration for these loans. The UHCO financial aid priority processing deadline is **March 1st. All financial aid applicants are strongly encouraged to complete and submit their FAFSA online in January and no later than mid-February.**

The UHOC Financial Aid Office provides information on a variety of other private loan programs for students who need financial assistance beyond the traditional resources in order to meet their expenses. Credit based private loans are available from major lenders. These loans are not certified by the University Loan Office. Caution, these loans carry higher fees and interest rates.

Federal Stafford Loan Programs

Federal Subsidized Stafford Loans

The borrowing limit for any given year is based on the student's estimated cost of attendance less expected family contribution. Information of this nature is available in the Student Aid Report received after completing the Free Application for Federal Student Aid. Current annual loan limit is \$8,500 for graduate students for a lifetime maximum of \$65,500, including undergraduate borrowed amounts. The Federal government pays the interest while the student is enrolled in school. Students may borrow through any participating bank or credit union. Loan applicants are free to select their lender. All Stafford loans have a six month grace period.

Federal Unsubsidized Stafford Loans

These loans are for eligible students who (1) require additional funds beyond the subsidized Stafford loan or (2) show no financial need based on information provided on the Free Application for Federal Student Aid needs analysis form; i.e. their FAFSA Expected Family Contribution (EFC) figure is higher than their financial aid budget total. Current eligibility for this loan is \$38,500 for the Fall & Spring semester and \$45,167 for the 12 month period per academic period (Fall, Spring, Summer) **less** any subsidized Stafford loan amount already awarded. The annual maximums shown are for both types of Stafford loans combined. (See also the Financial Aid Budget Limitation note).

Unsubsidized Stafford Loan Interest Payments

Students are cautioned to use this loan program only when necessary because the Federal government does not pay the interest while the student is in school. Students should make the decision to: 1) have the interest added (capitalized) to the amount borrowed or 2) make quarterly interest payments while enrolled when billed.

Enrollment

All students must enroll for at least 6 hours each long semester in order to be considered for the Stafford loans. Per Federal loan guidelines, Summer enrollment will require a 12 hour minimum enrollment.

Interest Rates:

Effective July 1, 2006, the interest rate for all Stafford loans, subsidized and unsubsidized disbursed on or after July 1, 2006, will be at a 6.8% fixed rate.

Loan Fees

Loan fees for the Stafford loans are deducted prior to disbursement to the student. Presently, a three percent origination fee is deducted. For 2006-2007, a majority of the lenders will not have any loan fees.

Lifetime and Annual Stafford Loan Limits

Total Stafford lifetime limit allowed for graduate or professional students is \$189,125, i.e., \$65,500 in Subsidized and \$123,625 in Unsubsidized Stafford Loans. The graduate debt limit includes loans received for undergraduate study.

Students are reminded that the maximum nine (9) month Stafford loan limit is \$38,500. The twelve (12) month limit is \$45,167 less any previous amount borrowed for the previous Fall and Spring semesters. Simply put, the maximum student can borrow for the Fall, Spring and Summer semesters is \$45,167, subsidized and unsubsidized combined.

Summer Financial Aid

The only financial assistance available in the Summer is Stafford loans (12 hours minimum Summer enrollment required) OR private loans for enrollments of less than 12 hours.

Other Tuition & Fee Payment Options

If your financial aid file is not complete or you do not have accepted sufficient financial aid, there is an Emergency Tuition Loan process available. The ETL will pay for your tuition & fees for the current semester only. This loan will incur an interest charge. Additionally, an students will also be placed in an installment plan if their financial aid is insufficient. The maximum installment charge will be \$30.

Financial Aid Budget Limitation

In no case will the student be awarded aid over and above their financial aid budget total. For example, if the financial aid budget total is \$36,000, the total of all aid offered, grants, loans, scholarship etc.) will not exceed \$36,000.

Other Loan Programs

Many state optometric associations and related organizations have loan or grant programs for resident students. To obtain information or apply, students should contact their state optometric association.

Awards and Scholarships

The UHCO Scholarship Committee and/or the UHCO Financial Aid Office will notify by e-mail all eligible students of any currently available scholarship. Each scholarship will have different requirements, deadlines and application forms.

Scholarship information will also be posted on the Scholarship Bulletin Board in the UHCO student lounge. The UHCO Scholarship and Financial Aid Committee meets as necessary to review all scholarship applications.

College of Optometry Loans

A limited number of short-term loans are available for unexpected emergency financial needs. Students who experience such needs should contact the UHCO Assistant Dean of Student Affairs or the UHCO Financial Aid Advisor for information on this loan.

STUDENT SERVICES

Office of Student Affairs

The college's Office of Student Affairs provides student services for future optometrists. Students may call or visit the Office for assistance or information about any of the following:

Admissions

The Office of Student Affairs works with the Admissions Committee to provide administrative support, correspondence with applicants, database management, and interview coordination.

Recruitment and Pre-Optometry Advising

The college actively recruits promising applicants throughout the United States and Canada. The undergraduate advisor provides academic counseling and guidance for all interested prospective applicants.

Student Counseling

The Director of Student Affairs is available to provide guidance and counseling about a broad range of student issues, both academic and nonacademic. Professional student counseling is also available at the UH Counseling and Testing Center (713-743-5454). The Director of Student Affairs serves as student advocate and advisor in dealings with the Academic Committee.

Financial Aid Services

The college supports a full-time financial aid officer to assist students with loans and scholarships. The financial aid officer also serves as an *ad hoc* member of the college's Scholarship and Financial Aid Committee. The financial aid officer is located within the UHCO Student Affairs Office. Contact: 713-743-2048 or e-mail: LYbarra@optometry.uh.edu

TEXOCOP

The Texas Optometry Career Opportunities Program (TEXOCOP) is a federally funded project

to increase the numbers of underrepresented individuals entering the profession of optometry. TEXOCOP provides an intense six-week summer program designed to assist promising undergraduate students in preparing for admission to the program. Many second- and third-year optometry students are employed as TEXOCOP Instructors and Teaching Assistants.

Tutoring

Tutoring is available for optometry courses. Students may sign up to request tutoring in the Office of Student Affairs. It is the student's responsibility to identify the need for tutoring and actively seek assistance. The tutoring program also provides a source of income for academically advanced second- and third-year students.

Registrar Services

Registration, academic records, immunization records, residency status determinations, graduation, orientation, and degree confirmation are handled by the Office of Student Affairs. Notary services are available, as well.

Messages

Students who must unavoidably miss classes or exams may use the Office of Student Affairs to notify the college at large. However, students should contact instructors directly if they must miss an exam, class, or clinic. Instructors should always be notified before—not after—an exam or important assignment must be missed.

College Tours

Upon request, the Office of Student Affairs arranges college tours for prospective students and their families. Representatives of student organizations are recruited to conduct the tours and to meet with interested individuals.

Libraries

The Weston A. Pettey Library, with holdings of over 10,000 text & reference volumes, 10,000 slides, 300 videos, and numerous computer programs related to vision science and vision care, is the premier vision science library in Texas. Fifteen networked databases are available to library users at the library. Printing and downloading are available free of charge. The recently remodeled library has a large computer lab that provides word processing and other programs, Internet connections, and e-mail access for students. Each of the ten small study rooms also has computer hook-ups. Additionally, there are two audio-visual rooms, a large conference room, and a reading room. The library staff is knowledgeable and willing to help meet a student's Library needs.

Students may also use the materials and services of the M.D. Anderson Library or any of the other libraries on the University of Houston campus.

Optometric Services

Students, faculty, staff, and members of their immediate families (spouse, children, parents, and siblings) may obtain full optometric services at the clinical center operated by the college. These professional services, excluding ophthalmic materials, are provided without cost.

The service director alone has the authority to extend professional courtesy to a patient, in the form of a total or a partial waiving of the examination fee.

Health Insurance

All students enrolled at the University of Houston are eligible for a private endorsed insurance policy. Information is available through the University Health Center, 713-743-5151. The American Optometric Association provides medical insurance at low rates, or students may contract for health insurance at a special group rate.

ORGANIZATIONS

Alumni Association

Many activities essential to the realization of the goals of the college are carried out by the College of Optometry Alumni Association. Reorganized in 1991, the Alumni Association includes student recruiting, graduate placement, and fund-raising among its supportive roles. The UHCO Alumni Association is formally affiliated with the UH Alumni Organization.

Alumni, members of the ophthalmic business community, and other friends support the college through participation in the Annual Fund. The fund supports such professionally vital activities and programs as clinical research, graduate fellowships, postgraduate residencies, continuing education, library acquisitions, development of learning resources, and alumni affairs.

Student Organizations

Students are urged to participate in student government at the college and campus-wide levels. In the college, each class elects representatives annually and students serve on standing faculty committees.

Student affiliates of optometric associations offer additional opportunities to participate in student governance and activities. Information is provided by each college organization.

The student organizations at the college include:

OSA - Optometric Student Association
 NOSA - National Optometric Student Association
 SVOSH - Student Volunteer Optometric Services to Humanity
 STOA - Student Texas Optometric Association
 FCO - Fellowship of Christian Optometrists
 BSK - Beta Sigma Kappa

PROFESSIONAL CURRICULUM

Curriculum Rationale

Optometrists are health care professionals who competently solve human eye and vision problems. Most optometrists work in primary care practice, serving patients who need eye and vision care, who seek periodic evaluation of their eye and vision status, or who are referred by other professionals. The optometrist cares for most of the public's eye and vision problems, most of the time.

The practice of primary care optometry is concerned with the prevention, diagnosis, treatment, and management of diseases and disorders of the vision system, eye and associated structures as well as the diagnosis of related systemic conditions. In order to properly function as an optometrist, mastery of several bodies of knowledge is necessary. An understanding of the stimuli that initiate vision, the anatomy and physiology of the structures that mediate vision, and visual information processing represent a portion of the appropriate knowledge base called vision science. Understanding of optical physics for the provision of appropriate visual images is critical for the correction of refractive errors and binocular vision anomalies. Understanding pathophysiological and molecular biological processes, pharmacological processes, and systemic physiology and pathology are necessary for the proper diagnosis and treatment of eye diseases and the recognition, co-management or referral of systemic diseases with ocular and visual manifestations.

Other responsibilities exist beyond the individual patient/practitioner relationship. Often visual health is a societal phenomenon, and optometrists must educate the community concerning what constitutes a good visual environment. For example, optometrists have been involved in the designing of more easily seen traffic signals and signs, automobile and highway lighting and marking, classroom design, and much more. They also are involved in community-wide visual screening of both school children and the general population.

The major educational goal is to produce health care practitioners who have appropriate knowledge, skill, and competence to fulfill the role

of delivering primary eye and vision care; who counsel patients concerning health promotion; and who manage curative or preventive regimens in consultation with other health care practitioners.

Professional Degree Program

The educational program in optometry requires four academic years and two summer sessions. All fourth-year students begin studies just after the end of their third academic year. One-third of the fourth-year class serves external multidisciplinary primary care clinical rotations during each of the three semesters. One-third serves in an external medical setting, and one-third rotates through specialty clinics each term. Didactic courses are taken during the specialty clinic rotations. Students must satisfactorily complete a total of 177 semester hours, at least seven hours of which must be in approved electives. With permission of the Associate Dean for Graduate Studies, students may also take graduate courses in physiological optics for elective credit in the professional degree program.

The professional degree curriculum is currently under review and is likely to change for the 2006-07 academic year.

**Doctor of Optometry Program Curriculum
(177 hours)**

First Professional Year

Fall Semester		Cr.
OPTO 5314	Optics I	3
OPTO 5111	Optics I Lab	1
OPTO 5320	Vision Science I	3
OPTO 5334	Neuroanatomy & Physiology	3
OPTO 5134	Neuroanatomy Lab	1
OPTO 5233	Adv. Human Anatomy	2
OPTO 5234	Adv. Human Physiology	3
OPTO 5133	Adv. Human Anatomy Lab	1
OPTO 5271	Optometry I	2
OPTO 5171	Clinic Practicum I Lab	1
Total		20

Spring Semester		Cr.
OPTO 5282	Community Health Opt.	2
OPTO 5315	Optics II	3
OPTO 5112	Optics II Lab	1
OPTO 5194	Ophthalmic Optics Lab	1
OPTO 5221	Vision Science II	2
OPTO 5335	Ocular Anatomy & Physiol.	3
OPTO 5135	Ocular Anatomy Lab	1
OPTO 5331	Gen. Pathology & Medicine	3
OPTO 5272	Optometry II	2
OPTO 5172	Clinic Practicum II	1
Total		19

Second Professional Year

Fall Semester		Cr.
OPTO 6311	Optics III	3
OPTO 6219	Vision Science III	2
OPTO 6132	Medical Lab Procedures	1
OPTO 6434	General Pharmacology	4
OPTO 6163	Primary Optometry Lab	1
OPTO 6190	Ophthalmic Optics Lab.	1
OPTO 6373	Primary Optometry	3
OPTO 6173	Clinic Practicum III	1
OPTO 6234	Ocular Pathology I	2
Total		18

Spring Semester		Cr.
OPTO 6312	Optics IV	3
OPTO 6351	Pediatric Optometry I	3
OPTO 6151	Pediatric Optometry I Lab	1
OPTO 6291	General Clinic II	2
OPTO 6174	Contact Lens Lab	1
OPTO 6335	Ocular Pathology II	3
OPTO 6374	Contact Lens I	3
OPTO 6224	Perception	2
OPTO 6333	Ocular Pharmacol./Ther.	3
Total		21

Third Professional Year

Summer Semester		Cr.
OPTO 7493	General Clinic IIIA	4
OPTO 7150	Developmental Optometry	1
	Electives *	2
Total		7

Fall Semester		Cr.
OPTO 7494	General Clinic IIIB	4
OPTO 7375	Contact Lens II	3
OPTO 7361	Geriatric Optometry	3
OPTO 7352	Pediatric Optometry II	3
OPTO 7152	Pediatric Optometry II Lab	1
OPTO 7230	Glaucoma	2
OPTO 7336	Ocular Pathology II	3
	Electives *	1
Total		20

Spring Semester		Cr.
OPTO 7495	General Clinic IIIC	4
OPTO 7330	Ophth Lasers, Refract Surg	3
OPTO 7130	Opht Laser Refract Surg Lab	1
OPTO 7162	Vision Rehabilitation Lab	1
OPTO 7262	Rehabilitative Optometry	2
OPTO 7337	Ocular Pathology IV	3
OPTO 7383	Practice Management I	3
OPTO 7120	OPT III Rounds/Case Discus.	1
OPTO 7253	Pediatric Optometry III	2
	Electives *	1
Total		21

Fourth Professional Year

Rotation A (Summer or Fall or Spring)		
Externship I – Primary Care		
OPTO 8990	Community Health Clinics	9
OPTO 8991	Community Health Clinics	9
Total		18

Rotation B (Summer or Fall or Spring)		
Externship II – Medical Care		
OPTO 8992	Community Health Clinics	9
OPTO 8993	Community Health Clinics	9
Total		18

Rotation C (Summer or Fall or Spring)		
Specialty Clinic/Didactic		
OPTO 8696	General Clinic IV	6
OPTO 8338	Rounds & Recent Dev.	3
OPTO 8384	Practice Management II	3
	Electives *	3
Total		15

* Elective requirements may be fulfilled at any time prior to graduation. They are listed in the curriculum only for suggested times

ACADEMIC COURSES

The professional curriculum is delivered by two academic units: optometric sciences and basic sciences.

4140: Animal Physiology Lab for Optometrists Cr. 1. (3-0). Laboratory experiments in vertebrate organ function to aid in understanding of these systems.

4340: Animal Physiology for Optometrists Cr. 3. (3-0). Analysis of vertebrate organ systems with emphasis on generalizable functions useful to the health care provider.

5198:5298:5398: Special Problems and Research Cr.1 to 3 per semester. Prerequisite: consent of department chair. Qualified students with special interests in the sciences may take elective lecture course or independent study in community health optometry; environmental optometry; health sciences; optics; pediatric optometry; primary optometry; rehabilitative optometry; vision sciences. Selection of a problem; study design; collecting and analyzing data; preparation of report. The latter must be completed for credit to be earned. Maximum period, three semesters.

5111: Optics I Laboratory Cr. 1. (0-3). Selected experiments in geometrical optics.

5112: Optics II Laboratory Cr. 1. (0-3). Selected experiments in physical and modern optics.

5121: Vision Science I Laboratory Cr. 1. (0-2). Laboratory experiments and exercises relevant to monocular sensory aspects of vision.

5131: Clinic III Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5172 and 5272. Laboratories in phorometry and advanced diagnostic and therapeutic techniques. Continued practice in diagnostic and therapeutic techniques used in optometric practice with emphasis on preparation for the Pre-Clinic Basic Competency Examination.

5132: Medical Laboratory Procedures Cr. 1. (0-3). Medical laboratory procedures; analysis and interpretation of results.

5133: Human Anatomy Laboratory Cr. 1. (0-3). Laboratory in human anatomy with emphasis on head and neck.

5134: Neuroanatomy Laboratory Cr. 1. (0-3). Laboratory in neuroanatomy with emphasis on the visual system.

5135: Ocular Anatomy Laboratory Cr. 1. (0-3). Laboratory in ocular anatomy.

5151: Pediatric Optometry I Laboratory Cr. 1. (0-3). Procedures used in the diagnosis and prognosis of strabismus and amblyopia.

5171: Clinic I Laboratory Cr. 1. (0-3). Prerequisite: Concurrent enrollment in OPTO 5271.

Laboratories in diagnostic and therapeutic techniques used in primary care optometric practice. Introduction to ocular health assessment techniques and use of ophthalmic diagnostic agents.

5172: Clinic II Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5191; concurrent enrollment in OPTO 5272. Laboratories in objective and subjective examination of refractive error, and binocular vision assessment. Application of psychophysical methods to the clinical examination.

5282: Community Health Cr. 2. (2-0). This course is designed to acquaint the student with the organization of the health care delivery system and to provide the underpinning of the profession of optometry including its history and socioeconomic, ethical and legal elements. It will include epidemiology and biostatistics as they apply to optometry.

5190: General Clinic I Cr. 1. (0-3). Prerequisites: OPTO 5271, 5171, 5272, 5172, and 5194; concurrent enrollment in 5131. Vision screening and laboratories in ophthalmic optics.

5191: Primary Optometry Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5172, 5271, 5272, 5194; Concurrent enrollment in 5131. Laboratory exercises in eye movements, accommodation and convergence relationships, and binocular vision analysis.

5192: Contact Lens Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5190 and concurrent enrollment in OPTO 5374 and OPTO 5292. Modification of rigid lenses. Procedures for fitting and dispensing rigid and flexible contact lenses. Introduction to contact lens clinic policies and procedures for follow-up care and record-keeping.

5194: Ophthalmic Optics Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5311 and 5111; concurrent enrollment in OPTO 5312, 5112. Lenses and frame selection; ordering; fabrication; verification; dispensing procedures.

5222: Vision Science III Cr. 2. (2-0). Normal and abnormal eye movements, pupil responses, and accommodation.

5223: Perception Cr. 2. (2-0). Development and function of visual perception.

5232: Ocular Pathology I Cr. 2. (2-0). Prerequisites: OPTO 5335, 5171, 5234, and 5135. Development of logical diagnostic sequence for patients with disease presentations. Obtaining appropriate problem-focused history. Familiarization with various presentations of ocular disease, isolate specific tissue(s) affected by the disease process, and identify the main features of the condition. Management or referral of patient will be covered.

5234: Advanced Human Physiology Cr. 2. (2-0). Advanced human physiology for health care professionals with emphasis on the physiology of major organ systems of the body specialized for eye-care practitioners and vision scientists.

5271: Optometry I Cr. 2. (2-0). Prerequisite: Concurrent enrollment in 5171. Overview of the optometric examination. Discussion of the diagnostic examination process with emphasis on the patient history interview. Introduction to problem-oriented record-keeping as applied to optometric practice.

5272: Optometry II Cr. 2. (2-0). Prerequisites: OPTO 5271; concurrent enrollment in OPTO 5172. Conventional therapies utilized in delivering basic optometric primary care services, diagnostic strategies, and problem solving. Topics of discussion include: epidemiology of ametropias; diagnosis, management, and treatment of ametropias; optical principles of diagnostic instrumentation; symptoms and management of binocular vision anomalies and presbyopia.

5292: General Clinic II Cr. 2. (0-10). Prerequisites: OPTO 5331, 5131, 5132, 5190, 5222, 5232, and 5373. Clinical practice in the primary care clinic. Patient communication and interpersonal relationships.

5311: Optics III Cr. 3. (3-0). Physical and optical characteristics of ophthalmic lenses and prisms; multifocal lenses.

5312: Optics IV Cr. 3. (3-0). Theory of lens design; reflectance; absorption; protective lenses; optics of anisometropia, aphakia, and aniseikonia; optics of visual aids.

5314: Optics I Cr. 3. (3-0). Prerequisites: Concurrent enrollment in OPTO 5111. Propagation of light; reflection and refraction; lenses and prisms; aberrations.

5315: Optics II Cr. 3. (3-0). Prerequisite: concurrent enrollment in OPTO 5112. The nature of light; apertures and stops; optical instruments; photometry dispersion; polarization, interference, diffraction; lasers and modern optics.

5320: Vision Science I Cr. 3. (3-0). Monocular sensory aspects of vision; including sensitivity to light and color, and spatial vision.

5321: Vision Science II Cr. 2. (2-0). The optics and image-forming properties and refractive conditions of the eye.

5233: Advanced Human Anatomy Cr. 2. (2-0). Prerequisites: Concurrent enrollment in OPTO 5133. Advanced human anatomy for health care professionals with emphasis on the gross anatomy and histology of the human structure for the eye-care specialist and vision scientist.

5331: General Pathology and Medicine Cr. 3. (3-0). Fundamental pathological processes; anomalies of cellular function; disorders of organ systems; immunology; and principles of medicine.

5332: Ocular Pathology II Cr. 3. (3-0). Prerequisites: OPTO 5135, 5171, 5335, 5234, 5233, and 5232. Etiological, histo-pathological clinical presentation, differential diagnosis, treatment and management (medical, surgical, and laser) of diseases of the anterior segment of the eye.

5333: Ocular Pharmacology and Therapeutics Cr. 3. (3-0). Prerequisites: OPTO 5434 and concurrent enrollment in OPTO 5332. Ocular pharmacology and therapeutics; actions of ophthalmic drugs; clinical considerations including indications, contraindications, and side-effects.

5334: Human Neuroanatomy and Physiology Cr. 3. (3-0). Prerequisite: concurrent enrollment in OPTO 5134. Neuroanatomy and neurophysiology with emphasis on the visual system.

5335: Ocular Anatomy and Physiology Cr. 3. (3-0). Anatomy and physiology of the eye and visual system.

5351: Pediatric Optometry I Cr. 3. (3-0). Role of the optometrist in the diagnosis, remediation, and clinical management of enigmatic learning problems including visual and auditory perception skills, learning disabilities, dyslexia and minimal brain damage; clinical procedures and practices in the diagnosis and prognosis of strabismus and amblyopia.

5373: Primary Optometry Cr. 3. (3-0). Prerequisites: concurrent enrollment in OPTO 5191, 5131, and 5222. Understanding of vision analysis data pertaining to binocular vision including: stereopsis, fixation disparity, accommodation and convergence relationships, and binocular refraction.

5374: Contact Lens I Cr. 3. (3-0). Prerequisites: OPTO 5190, and 5373. Concurrent enrollment in OPTO 5192. Optometric diagnosis and treatment: effects of contact lenses on corneal physiology;

applied optical principles of contact lenses; rigid and flexible contact lens fitting; patient care of lenses; adverse effects of contact lenses.

5434: General Pharmacology Cr. 4. (4-0). General principles of pharmacodynamics, pharmacokinetics, and therapeutics. Fundamental biochemical and cellular sites and mechanisms of action of drugs.

6120: OPT III Rounds/Case Discussion Cr. 1. (1-0). Clinical decision making through case discussions. Case presentations and discussion will be used to illustrate and integrate clinical diagnosis and management. Topics include binocular anomalies, refractive problems, low vision, and systemic and ocular pathology.

6142: Environmental Optics Laboratory Cr. 1. (0-3). Consideration of environmental and ocular factors which bear upon seeing in practical situations, lighting design and the measurements and specification of lighting levels. Occupational and social factors which predispose the individual to vision anomalies or decreased visual efficiency; philosophies, rationales, and strategies for preventing environmental conditions which threaten vision health.

6152: Pediatric Optometry II Laboratory Cr. 1. (0-3). Prerequisites: OPTO 5151 and 5351; concurrent enrollment in 6352. Instrumentation and methods used to remediate anomalies of binocular vision.

6160: Women's Health for Optometrists Cr. 1. (1-0). Prerequisites: Open to all optometry students. Students may take either OPTO6160 or 6360 but not both. A survey of the biopsychosocial correlates of women's health, addressing current issues and providing up-to-date information about diseases and conditions that affect women uniquely, disproportionately, or differently. Emphasis on diseases and conditions with which optometrists deal will be presented.

6162: Vision Rehabilitative Laboratory Cr. 1. (0-2). Techniques for assisting visually impaired patients including trial frame refraction, fitting bioptic telescope systems, use and verification of telescopic, microscopic, and magnifier systems. Billing codes and strategies for payment from agencies will be discussed.

6170: Photodocumentation Cr. 1. (1-0). Review of basic principles and materials of photography and their application to ocular documentation, both internal and external.

6180: HIV Infection and AIDS for Optometrists Cr. 1. (1-0). Epidemiology, pathophysiology and immunology of HIV infection with emphasis on clinical pathology for the optometrist.

6198:6298:6398: Special Problems in Optometry Cr. 1-3 per semester. Independent study of problems in clinical optometry.

6220: Refractive Surgery and Ophthalmic Lasers Cr. 2. (2-0). Prerequisites: OPTO 5315, 5232, 5332, and 5333. Principles of refractive surgery, including pre-operative, procedural, post-operative, and complication management of radial keratotomy, lamellar, and laser procedures. Familiarization with laser instrumentation, surgical procedures, and management of ocular conditions with lasers. Types of lasers, laser-tissue interactions, technical considerations, pre- and post-operative considerations.

6230: Contact Lens Pathology Cr. 2. (2-0). Contact lens-related problems covering symptomology, signs, etiology, histopathology, treatment, and patient management.

6231: Corneal Disease Cr. 2. (2-0). Corneal and conjunctival disorders unrelated to contact lens wear. Post-operative care for surgical refractive procedures. Clinical signs, symptoms, histopathology, emphasis on differential diagnosis, treatment and management.

6233: Ocular Pathology: A Case Approach Cr. 2. (2-0). Prerequisite: consent of instructor. Designed for third- and fourth-year students. Discussion of methodology for decision-making involved in management of common ocular pathological conditions, using a case presentation approach.

6250: Decision-Making in Optometric Practice Cr. 2. (2-0). Prerequisite: consent of instructor. Designed for third- and fourth-year students. Application of strategic thinking to optometric diagnosis and management.

6253: Pediatric Optometry III Cr. 2. (2-0). Prerequisites: OPTO 5151, 5351, 6152, and 6352. Clinical assessment and management of the young patient (birth through preschool) with emphasis on the modification of standard clinical procedures to accommodate the very young patient and how the development of various visual functions impact treatment and management decisions.

6255: Role of the Optometrist in Reading and Education Cr. 2. (2-0). Prerequisite: consent of instructor. Designed for third- and fourth-year students. Overview of reading models, characteristics for different developmental reading levels, common disorders that lead to, or contribute to reading failure. Optometry students will gain appreciation for perspective of other professions and have a working knowledge of theories of vision and reading.

6260: Orthokeratology Cr. 2. (2-0). Prerequisite: consent of instructor. Designed for third- and fourth-year students. Familiarization with orthokeratology and CKR as alternatives to refractive surgery. Corneal topography, how it is measured and altered will be discussed in detail. Course will include hands-on experience with corneal topographers.

6262: Rehabilitative Optometry Cr. 2. (2-0). Concepts of management of patients with visual impairment, neurological injuries, and multiple handicaps. Includes examination strategies, the optics of low vision devices, and their use. Also includes the rehabilitation system and referral networks.

6331: Ocular Pathology III Cr. 3. (3-0). Prerequisites: OPTO 5232, 5332, 5134, and 5334. Congenital anomalies and diseases of the posterior segment and optic nerve. Differential diagnosis and interpretation of clinical data.

6332: Ocular Pathology IV Cr. 3. (3-0). Prerequisite: OPTO 6331. Neuro-optometry including the neurological assessment of the eye and visual system. Routine non-invasive assessment of the pupil, diplopia, nerve palsies, transient vision loss, optic nerve, nerve head and visual fields, and diagnostic imaging procedures.

6342: Environmental Optometry Cr. 3. (3-0). Principles of electro-magnetic radiation, photometry, and illumination. Analysis of vision tasks, design of visual environments, and ocular safety.

6352: Pediatric Optometry II Cr. 3. (3-0). Prerequisites: OPTO 5151, 5191, 5351 and 5373; concurrent enrollment in 6152. Treatment of binocular vision anomalies including those conditions which result in a reduction of visual efficiency (phorias, decreased vergence facility) and conditions which result in decreased binocular function (amblyopia and strabismus).

6360: Advanced Women's Health for Optometrists Cr. 3. (3-0). Prerequisite: open to all optometry students. Students may take either OPTO 6160 or 6360 but not both. An in-depth examination of the biopsychosocial correlates of women's health, addressing current issues and providing up-to-date information about diseases and conditions that affect women uniquely, disproportionately, or differently. Emphasis on diseases and conditions with which optometrists deal will be presented.

6361: Geriatric Optometry Cr. 3. (3-0). Prerequisites: OPTO 4333, 5132, 5232, 5332, 5373; concurrent enrollment in 6491. Psychological, physiological, social, and ocular problems of the elderly. Examination procedures in the care of geriatric patients. Special eye and

vision problems of concern to the elderly patient. Special problems of the institutionalized and the bedridden patient. Problems of therapy management and compliance.

6375: Contact Lens II Cr. 3. (3-0). Prerequisites: OPTO 5192, 5374. Concurrent enrollment in OPTO 6491. Advanced contact lens fitting techniques. Special topics in contact lens fitting.

6383: Practice Management I Cr. 3. (3-0). Beginning a practice. Issues in the analysis, purchase, and sale of an optometric practice. Office design and location. Personnel policies. Legal and financial aspects of various practice modes.

6442: Environmental Optometry Cr. 3. (3-0). Principles of electro-magnetic radiation, photometry, illumination. Analysis of vision tasks, design of visual environments, ocular safety.

6490: General Clinic IIIA Cr. 4. (2-12). Prerequisites: OPTO 5151, 5192, 5292, 5333, 5351, and 5374. Clinical practice under supervision of clinical faculty; emphasis on general care of children; diagnosis and treatment of ocular diseases; contact lenses; vision training; clinical rounds.

6491: General Optometry Clinic IIIB Cr. 4. (0-16). Prerequisite: OPTO 6490. Clinical practice under supervision of clinical faculty; emphasis on general care of children and geriatric populations; diagnosis of ocular disease; contact lenses; visual training and dispensing.

6492: General Clinic IIIC Cr. 4. (0-16). Prerequisite: OPTO 6491.

7163: Rehabilitative Optometry II Cr. 1. (1-0). Prerequisite: OPTO 6362. Performance monitoring and continuous care of individuals with vision impairments. Case presentations emphasizing the multidisciplinary approach of vision rehabilitation care.

7198:7298:7398: Special Problems in Optometry Cr. 1-3 per semester. Independent study of problems in clinical optometry.

7253: Pediatric Optometry III Cr. 2. (2-0). Clinical assessment and management of the young patient (birth through preschool) with emphasis on the modification of standard clinical procedures to accommodate the very young patient and how the development of various visual functions impacts treatment and management decisions.

7384: Practice Management II Cr. 3. (3-0). Prerequisite: OPTO 6383. Managing an optometric practice. Day-to-day operations of a practice including communication with patients and the community; office equipment; establishing office policies; enhancing and expanding

professional services; dispensary services; and estate planning.

7391: Recent Developments/Rounds Cr. 3. (3-0). Recent developments and case presentations with emphasis on integration of knowledge representing the full scope of optometry.

7691: Specialty Optometry Clinic IV Cr. 6. (0-16). Prerequisite: OPTO 6492. Emphasis on total scope of primary optometric care in a group practice setting.

7990:7991: Community Health Clinic Cr. 9 semester hours per 320 clock-hour unit. (0-40). Patient care provided in an interdisciplinary health care setting. Clinical environments are external to the campus in hospitals, health centers, prepaid care facilities, extended care centers, home health services to special populations, and ambulatory care centers. Practice in various areas of community health is provided, and a community health project will be completed.

7992:7993: Community Health Clinic Cr. 9. (0-20). Patient care provided in medical and surgical eye care setting.

Summary of Elective Courses

Students must satisfactorily complete a minimum of seven semester credit hours of approved elective courses to qualify for the O.D. degree. Courses in the graduate program or upper division courses in another college may be selected with the approval of the student's academic advisor and the Associate Dean.

FACULTY

Faculty Emeriti

Charles R. Stewart. Professor Emeritus of Optometry. O.D., Ph.D., Ohio State University.

Troy E. Fannin. Professor Emeritus of Optometry. O.D., Ohio State University.

Donald G. Pitts. Professor Emeritus of Optometry and Physiological Optics. O.D., Southern College of Optometry; Ph.D., Indiana University at Bloomington.

James F. Koetting. Professor Emeritus of Optometry and Physiological Optics. O.D., Southern College of Optometry; Ph.D., University of Houston.

Faculty

Raymond Applegate. OD, Indiana University; PhD. University of California Berkeley, Professor and Borish Chair of Optometry; Director of the Visual Optics Institute.

R. Norman Bailey. Professional Staff and Adjunct Associate Professor of Optometry. M.A., George Peabody College for Teachers; O.D., Indiana University at Bloomington; M.B.A., University of Houston; M.P.H., University of Texas-Houston School of Public Health.

Harold E. Bedell. Professor of Optometry and Physiological Optics. Ph.D., University of Florida.

Jan P. G. Bergmanson. Professor of Optometry and Physiological Optics. O.D., Pennsylvania College of Optometry; Ph.D., The City University, London, England..00

Rudy Black. Clinical Associate Professor of Optometry. O.D., University of Houston.

Roger L. Boltz. Associate Dean for Professional Studies and Associate Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

Sara Brown. Clinical Assistant Professor of Optometry. O.D., Indiana University School of Optometry.

Han Cheng. PhD, OD, University of Houston

Yuzo Chino. Professor of Optometry and Physiological Optics. Ph.D., Syracuse University.

Susana Chung. PhD, University of Houston

Patricia Cisarik-Fredenburg. OD, University of Waterloo

Debra Currie. Clinical Assistant Professor of Optometry and Physiological Optics. O.D., University of Waterloo; M.S., University of Houston.

Kia Eldred. Clinical Associate Professor of Optometry. O.D., University of Houston.

Karen D. Fern. Associate Professor of Optometry and Physiological Optics. O.D., Pacific University.

Donald Fox. Professor of Optometry and Physiological Optics. Ph.D., University of Cincinnati.

Laura J. Frishman. Associate Dean for Graduate Studies and Research and Professor of Optometry and Physiological Optics. Ph.D., University of Pittsburgh.

Amber Gaume Giannoni. Clinical Assistant Professor of Optometry OD, University of Houston

Nancy George. Clinical Associate Professor of Optometry. O.D., University of Houston.

Adrian Glasser. Assistant Professor of Optometry and Physiological Optics. Ph.D., Cornell University.

Samuel Hanlon. Clinical Associate Professor of Optometry O.D., Southern California College of Optometry; MS, California State University at Fullerton.

Ronald S. Harwerth. Chair, Department of Basic Sciences and Professor of Optometry and Physiological Optics. O.D., University of Houston; Ph.D., University of Texas-Houston Health Science Center.

Ralph J. Herring. Director of Administration and Finance for the University Eye Institute and Adjunct Assistant Professor of Optometry. O.D., University of Houston.

Nicky R. Holdeman. Associate Dean for Clinical Education; Executive Director, University Eye Institute, Chief of Medical Services, and Associate Professor of Optometry. O.D., University of Houston; M.D., Texas Tech University.

Ying-Sheng Hu. Research Associate Professor, MS, Chinese University of Science

Randall Jose. Associate Professor of Optometry. O.D., University of California, Berkeley.

Ailene Kim. OD, Southern California College of Optometry

Kimberly Lambreghts. Clinical Assistant Professor of Optometry. R.N., Pace University and O.D., SUNY College of Optometry. Director, Family Practice Service

Norman E. Leach. Clinical Service Director and Adjunct Associate Professor of Optometry. O.D., M.S., University of Houston.

John W. Lewis. MS, Rice University

Ruth E. Manny. Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

Danica Marrelli. Clinical Associate Professor of Optometry. O.D., University of Houston.

Bronwen Mathis. Clinical Assistant Professor of Optometry OD, University of Houston

Alison M. McDermott. Assistant Professor of Optometry and Physiological Optics. Ph.D., University of London.

William Miller. Visiting Assistant Professor of Optometry. O.D., Ph.D., Ohio State University.

Katrina Parker. Clinical Assistant Professor of Optometry

Anastas F. Pass. Associate Professor of Optometry. O.D., Illinois College of Optometry, M.S. University of Houston.

Lloyd Pate. Clinical Associate Professor of Optometry. O.D., University of Houston.

Ana M. Perez. Clinical Associate Professor of Optometry and Physiological Optics; O.D., InterAmerican University School of Optometry.

David M. Perrigin. Associate Professor of Optometry. O.D., University of Houston.

Judith Perrigin. Associate Professor of Optometry. O.D., University of Houston.

Marcus Piccolo. Associate Dean for Professional Advancement and Associate Professor of Optometry. O.D., Pennsylvania College of Optometry.

Sam Quintero. Chair, Department of Clinical Sciences and Associate Professor of Optometry. O.D., University of Houston.

John Robson. Senior Research Professor of Vision Science, MA, Ph.D

Fernando Romero-Borja. Senior Research Scientist, MA, Ph.D

Jerome Rosner. Professor of Optometry. O.D., Pennsylvania College of Optometry.

Jade Schiffman. Clinical Associate Professor of Optometry

Padhmalatha Segu. Clinical Associate Professor of Optometry. O.D., University of Houston.

Lanny Shulman. Assistant Dean for Student Affairs and Clinical Associate Professor. OD, Ph.D University of Houston

Earl L. Smith III. Dean and, Greeman-Petty Professor, and Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

Gregory L. Stephens. Associate Professor of Optometry. O.D., Ph.D., Ohio State University.

Scott Stevenson. Assistant Professor of Optometry and Physiological Optics. Ph.D., Brown University.

Jerald W. Strickland. Professor of Optometry. O.D., Ph.D., Indiana University at Bloomington.

Sri Thorta. OD, University of Houston

Stephanie Tom. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Hospital-Based Optometry, Veterans Administration medical Center, Lexington, KY.

James Walters. Associate Professor of Optometry and Physiological Optics. Ph.D., Michigan State University; O.D., New England College of Optometry.

Janice Wensveen. Clinical Assistant Professor of Optometry. O.D., University of Waterloo; Ph.D., University of Houston.

Suzanne Wickum. Clinical Associate Professor of Optometry. O.D., University of California, Berkeley.

Stanley Woo. Visiting Assistant Professor of Optometry. O.D., University of California, Berkeley.

Mona Younes. Clinical Assistant Professor of Optometry. M.B.Ch.B. in Medicine, University of Alexandria, Egypt; O.D., M.S., University of Houston.

EXTERNAL EDUCATION CLINIC SITES

Each fourth-year student spends 32 weeks at two of these sites under the supervision of regular or adjunct faculty. These sites have been selected because of the number of patients available, the variety of vision and general health problems, and because there is a broad range of primary health care offered in conjunction with optometric care.

1st Eye Care, Dallas, TX

Alamo Eye Care, San Antonio, TX

Allan J. Panzer, OD, Private Practice, Houston, TX

Barnet Dulaney Perkins Eye Center, Mesa, AZ

Bellaire Eye Associates/Bellaire Contact Lens, Bellaire, TX

Berkeley Eye Center, Houston, TX

Bridge Builders Eye Clinic, Dallas, TX

Centro Boston de Optometria, Madrid Spain

Clear View Laser Vision Center, Grapevine, TX

Coastal Eye Associate, Webster, TX

Colorado Optometric Center, Denver, CO

Commonwealth Eye Services, Lexington, KY

Conroe/Woodland Eye Clinic, Conroe, TX

Dishler Laser Institute, Greenwood Village, CO

Dr. Charles Garcia and Associates, St. Joseph Medical Place 1, Houston, TX

Eye Care Associates of Humble, Humble, TX

Eye Care of Greenville, Greenville, TX

Eye Center of Texas, Houston, TX

Eye Doctor's Office Inc., Dallas, TX

Eye Foundation of Utah, Salt Lake City, UT

Family Optical and Eye Care Centers, McAllen, TX

First Eye Care Infinity Laser Vision, Dallas, TX

Ft. Carson Hospital, Colorado Springs, CO

Ft. Hood, Darnell Army Hospital, Killeen, TX

Ft. Sam Houston, Brooke Army Medical Center, San Antonio, TX

Fry Eye Associates, Garden City, KS

Golden Eye Clinic, Center, TX

Good Neighbor/San Jose/Richmond State School/TIRRS /Dr. Whitsett, Houston, TX

Hermann Eye Center, Houston, TX

Hopping Eye Associates, Ltd, LLP, Houston, TX

Houston Eye Associates, Houston, TX

Houston Eye Care Clinic, Houston, TX

IHS Hospital, Albuquerque, NM

IHS Hospital, Santa Fe, NM

Jeffrey M. Ekery, OD, Private Practice, El Paso, TX

Kirtland Air Force Base Hospital, Albuquerque, NM

Lakeline Vision PC, Austin, TX

Liberty Hill Eye Associates, Liberty Hill, TX

Mann Eye Institute, Humble, TX

McCormick Vision Center, Inc., Austin, TX

Maplewood Eye Care Center, Wichita Falls, TX

Naval Medical Center, San Diego, CA

Naval Medical Clinic, Quantico, VA

Naval Regional Medical Center, Corpus Christi,
TX

Navy Regional Clinic, New Orleans, LA

Neuro-Eye Diagnostic, P.A., Houston, TX

Oak Hill Eye Care, Austin, TX

Offutt Air Force Base Hospital and Laser Institute,
Omaha, NE

Omaha Eye and Laser Institute, Omaha, NE

Optix Eye care and Laser Management, Dallas,
TX

Plano Eye Associates, East Plano, TX

Plano Eye Associates, Plano, TX

Plaza Vision Center, Dallas, TX

Phoenix Medical Center Eye Clinic, Phoenix, AZ

Randolph Air Force Base Hospital, San Antonio,
TX

St. Erik's Eye Hospital, Sweden

School of Optometry, Queensland Institute of
Technology, Brisbane, Australia

Sharp Eye Consultants, San Antonio, TX

Signature Eye Care, Cedar. TX

Space Center Eye Associate, Houston, TX

Sunset Eye Care, San Angelo, TX

UTMB Galveston, Galveston, TX

University Eye Associates, Houston, TX

V.A. Hospital, Amarillo, Amarillo, TX

V.A. Hospital, Albuquerque, NM

V.A. Hospital, Lyons, NJ

V.A. Hospital, Palo Alto, CA

V.A. Hospital, Spokane, WA

V.A. Hospital, Temple, TX

V.A. Hospital, Topeka, KS

V.A. Clinic, Tulsa, OK

V.A. Hospital, West Haven, CT (Low Vision
rotation)

Vision Health Specialties, Midland, TX

Vision Source-Arlington, Arlington, TX

Vision Source-Mission Bend, LLP, Houston, TX

Wilford Hall Medical Center (Lackland), San
Antonio, TX

Wuerzburg Army Hospital, Germany

York Eye Associates, PC, Gainesville, TX

Zhongshan Ophthalmic Center, China