

# University of Michigan Medical School - Course Catalog - 2022-2023

<b>Ophthalmology: OPHTH-8440 - Research</b>	
Required/Elective	RESR
Prerequisites:	
Restriction days:	720
Keywords:	
Course Objectives:	
MPathways Course ID	048604
Subl Maize/Blue Designation	None
Rule of 4 Exemption	Exempt from Rule of 4 (no more than four experiences from one department will satisfy requirements for graduation)
Grading Basis Code	GRD
Instructor(s)	Dr. Ariane Kaplan Clerkship Director arianek@med.umich.edu
Course Contact	Lauren Prisk Clerkship Coordinator lgagneau@med.umich.edu
Site Coordinator	Lauren Prisk Clerkship Coordinator lgagneau@med.umich.edu
Permission to Enroll	Yes
Permission Contact Information	Lauren Prisk Clerkship Coordinator lgagneau@med.umich.edu
Permission Instructions	WHEN SUBMITTING YOUR REQUEST TO ENROLL PLEASE NOTE: Faculty member that agreed to be your mentor or state you still need one. It is ultimately the student's responsibility to find a mentor and notify Lauren Prisk no later than two months prior to the elective beginning. Once a mentor has been identified, students are required to complete the UMMS Proposed Research Elective form and return to Dr. Ariane Kaplan/Lauren Prisk.
Available to Visiting Students	No
Average Number of Patients Seen Each Week	N/A
On-Call Responsibility	N/A
Where to Report First Day of Clerkship	Individually Arranged with Supervisor/Preceptor; 8am.

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Time Distribution: Outpatient Clinical Care (%)	0%
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Time Distribution: Emergency Department Clinical Care (%)	0%
Time Distribution: Service Learning (%)	0%
Time Distribution: Conferences/Lectures/Seminars (%)	0%
Time Distribution: Simulation (%)	0%
Time Distribution: Basic Science Research (%)	0%
Time Distribution: Clinical Research (%)	0%
Time Distribution: Independent Study (%)	0%
Time Distribution: Other (%)	100%
Time Distribution: Other Explanation	Approximately 40 hours per week
Activities: Expected hours per week in formal educational sessions (sum of lectures, conferences, teaching rounds) - Maximum 40 hours per week	NA
Activities: Overall number of elective hours per week (Note: M4 electives should carry approximately 40 hours of work per week) - Maximum 80 hours per week	Approximately 40 hours per week
Course Description	Individually arranged research experience within the Department of Ophthalmology and Visual Sciences. Varies from purely clinical to purely laboratory experience, depending on faculty preceptor and the research project. Students selecting this elective will develop an appreciation for the problems involved in vision research and the application of such research to clinical ophthalmology.
Coure Description 2	Students are expected to attend Grand Rounds on Thursday mornings and department CME conferences.

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Course Description 3	Faculty preceptor will outline expectations and complete an end of rotation evaluation. Students are asked to submit a project outline and goals prior to rotation beginning and an update on each by the end of the rotation.
LCME Topics: Please review the topics below, and check the corresponding checkbox for any and all topics you cover in this M4 course. Coverage is indicated if it appears in your course objectives or as a significant topic covered during your course.	Communication skills, Research methods, Self Directed Learning
Methods to be used in student evaluation include	Participation in conferences, Assessment of write-ups/notes, Attendance at specified events, Other (specify in course description)
Medical Student Competencies- Communication	C-ch. Communicate effectively with colleagues, other health professionals and health-related agencies, including the transitions of care
Medical Student Competencies- Professionalism	PR-ra. Demonstrate responsibility and accountability to patients, society, and the profession
Medical Student Competencies- Leadership, Teamwork, & Interprofessionalism	LTI-lm. Demonstrate an understanding of how productive teams can be built, led and managed, LTI-or. Demonstrate the ability to manage one's own and others roles on teams
Medical Student Competencies- Practice Based Learning & Improvement	PBLI-sl. Engage in self-directed learning, reflective practice, guided self-assessment, and demonstrate receptivity to feedback, PBLI-ca. Locate, critically appraise, apply evidence, and weigh the uncertainty to guide decision making to achieve optimal patient outcomes, PBLI-et. Demonstrate the ability to utilize current and adapt to emerging technology
Medical Student Competencies- Critical Thinking & Discovery	CTD-ct. Apply creative/critical thinking to develop new information and solutions, CTD-ps. Apply problem assessment and problem-solving skills
I have reviewed all of the above and the start dates and enrollment limits from Course Set-up for this course.	YES, approved.
Previous Catalog Number	001GENR.U
Learning Objectives	<ol style="list-style-type: none"> <li>1. Demonstrate analytical and critical thinking skills towards research goals. (Critical Thinking &amp; Discovery) (CTD-ps, CTD-ct)</li> <li>2. Demonstrate ability to lead and work as product team member in a research group. (Professionalism) (PR-ra, LTI-or, LTI-lm)</li> <li>3. Demonstrate interpersonal and communication skills that result in effective information exchange within research group. (Interpersonal</li> </ol>

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<b>OPHTH-8440 continued. . .</b>	
Learning Objectives cont.	& Communication Skills) (C-ch) 4. Demonstrate ability to conduct an appropriate and comprehensive literature search to effectively contribute to research project. (Practice Based Learning) (PBLI-sl, PBLI-ca, PBLI-et)