

NORTHEASTERN STATE UNIVERSITY
Oklahoma College of Optometry
Tahlequah, OK 74464
Summer Semester, 2009

INSTRUCTOR:

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COURSE TITLE AND NUMBER: Opt 7062 - Optometry Project III

CLASS DAYS & TIME:

Wednesday, May 26, 9:00-9:15 AM; Meeting for the entire class followed by appointments for the project groups.
Out-of-class research.

PREREQUISITES:

OPT 6262 - Optometry Project II

CATALOG DESCRIPTION OF COURSE: Continuation of Optometry 6262.
Research activities under the supervision of a faculty advisor.

COURSE PURPOSE: Building on the methods developed in the previous course, complete the optometry research project by the end of this semester (July 30). The final products of this effort will be a publishable-quality manuscript, and a poster ready to submit to a scientific meeting.

EXPECTED COURSE OUTCOMES: Student investigators are required to complete the following steps, as applicable to the their projects. Throughout the process, work closely with your faculty advisors, who will function as co-investigators.

1. Select an optometry journal for publication, and obtain a copy of guidelines for submission of a manuscript. Consult with your advisor on this. If unsure, choose *Optometry and Vision Science*.
2. Write a final paper, which is formatted as a publishable manuscript, according to the journal's guidelines. The instruction for authors for *Optometry and Vision Science* may be found at: <<http://edmgr.ovid.com/ovs/accounts/ifaauth.htm>>
3. Make a PowerPoint poster, ready for presentation at Oklahoma Research Day.
4. Prepare an application for your poster, including an abstract for Oklahoma Research Day.
5. All assignments are due on Friday, July 30 at 5:00 PM.

INSTRUCTIONAL MATERIALS:

There is no required textbook for the course.

Refer to materials provided in the previous research courses (OPT 6111 and 6122) and on-line research resources available online. I plan to put useful reference material and announcement on Blackboard.

INSTRUCTIONAL PROCEDURES: Instruction consists of guidance provided primarily by the project faculty advisor and Dr. Salmon. Refer to the guidelines you received before. For specific questions on formatting of assignments, refer to the course web site or contact Dr. Salmon.

STUDENT PERFORMANCE ACTIVITIES: Work in close collaboration with your faculty advisor to ensure completion of all assignments by the end of the semester (July 30). Important dates:

- May 26 Class orientation at 9:00 AM; individual project appointments after
- June 18 Submit a copy of manuscript guidelines to your faculty advisor.
- July 2 Complete data collection (recommended deadline).
- July 30 Submit final paper, formatted and ready for journal submission. You should print three copies; one for you advisor, and two printed copies for Dr. Salmon. In addition, send an electronic copy to your advisor and Dr. Salmon (Microsoft Word file).
- July 30 Submit an electronic copy of the PowerPoint poster to your advisor and Dr. Salmon.
- July 30 Submit an electronic copy of an abstract ready for submission to Oklahoma Research Day 2008 to your advisor and Dr. Salmon.

Although students do most of the hands-on work, advisors should work as co-investigators. Students and advisors are expected to share authorship in any publications or presentation coming out of the project.

Academic dishonesty includes plagiarism and the failure to report known instances of plagiarism. This behavior is incompatible with the profession of optometry. Suspected academic dishonesty will be referred to the Student Evaluation Committee and can be grounds for immediate dismissal from the College of Optometry.

STUDENT EVALUATION: The table below summarizes the relative weight of course grade component. Specifics of the assignments are explained below.

Assignment (due date)	Relative weight (%)
Manuscript of journal article (7/30) (Dr. Salmon, Advisor, Projects Committee)	60
Poster (7/30)	20
Oklahoma Research Day abstract	5
Advisor's grade for overall performance	15
TOTAL	100

- Manuscript guidelines. Working with your advisor, select a peer-reviewed optometric journal to which you can submit your manuscript. Submit a copy of the manuscript guidelines to your faculty advisor by June 18.
- Manuscript. Write a publishable research article, which is formatted and ready to submit to the optometric journal you choose. An experimental paper should include the following:
 - Cover page with title, authors, date, name of journal, keywords
 - Abstract (<300 words)
 - Introduction (approximately 500 words or less)
 - Methods (1,000 words or less, with figures and tables if possible)
 - Results (500 words or less with figures and tables if appropriate)
 - Discussion (1,000 words or less)
 - References formatted according to the journal's guidelines

Literature reviews should be about 6,000 words long and cite 50-100 references. They should provide a publishable, comprehensive review of the topic. The final paper must be submitted to Dr. Salmon in both hard copy (3 copies) and electronic format (Microsoft Word).

Each paper will be reviewed by your advisor, Dr. Salmon and another faculty member and be graded based on scientific merit and quality of writing. Papers that are difficult to read because they are poorly written will be downgraded. After receiving a grade recommendation from the reviewers, the Projects Committee will assign the final grade for the paper. Papers submitted after the deadline will be downgraded. To receive an A grade, the paper must meet the July 30 deadline and be written well enough that it would be ready for submission to a peer reviewed journal.

- Make a PowerPoint poster summarizing your paper, with the same major divisions as the paper, and with tables and figures. Refer to the web site for an example. Submit the poster for Oklahoma Research Day 2009, or some other scientific meeting, and email Dr. Salmon a copy of the PowerPoint file.
- Prepare the application for Oklahoma Research Day, including an abstract of the poster.
- The faculty advisor will assign a grade based on the overall quality of work.

ADA COMPLIANCE: A member of the class who feels that he or she has a disability and needs special accommodations of any nature should advise Dr. Salmon. He will work with the student and the University's Office of Student Affairs to provide reasonable accommodations to ensure a fair opportunity to perform.

INCLEMENT WEATHER/DISASTER POLICY:

Refer to information provided in the previous course syllabus, or the NSU web site. For school closing information, refer to Tulsa radio station KRMG (740 AM), TV channels 2, 6, 8 (Tulsa) or 5 (Fort Smith), or call the main NSU telephone number, 918-456-5511. The basic premise for the inclement weather policy at NSU is that neither students nor faculty are expected to risk life, limb or vision.