

**NORTHEASTERN STATE UNIVERSITY**  
Oklahoma College of Optometry  
Tahlequah, OK 74464  
Spring Semester, 2008

**INSTRUCTOR:**

Thomas O. Salmon, OD, PhD, FAAO, Associate Professor. Office: Optom BO5.  
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**COURSE TITLE AND NUMBER:** Opt 6262 - Optometry Project II

**CLASS DAYS & TIME:** Mostly out-of-class activity; other by arrangement

**PREREQUISITES:** OPT 6122 - Optometry Project I

**CATALOG DESCRIPTION:** Continuation of Optometry 6122. Research activity under the supervision of a faculty advisor.

**COURSE PURPOSE:** Building on the literature review and research outline from the previous course, the student investigators will complete all the steps necessary to begin their optometry research projects by the end of this semester.

**EXPECTED COURSE OUTCOMES:** Student investigators are required to complete the following specific steps, as applicable to each project. Throughout the process students should work closely with their faculty advisors, who will function as co-investigators. Failure to communicate with your advisor and to keep him or her informed may adversely affect your grade, since advisor input will influence the course grade.

1. Write research protocol (detailed statement of methods)
2. Write a detailed budget
3. Prepare all materials necessary to begin the project, including a lab notebook, consents forms, data sheets, flow charts, written permission to use the clinic (Dr. Welch) or classroom space (Dr. Penisten), etc.
4. Obtain IRB approval
5. Perform a trial run, collect and analyze pilot data
6. Recruit subjects
7. Complete all other steps necessary to begin collecting data by the end of this semester
8. Submit a draft of the introduction and methods of the final paper.

**INSTRUCTIONAL MATERIALS:** No textbooks are required. Refer to course materials provided in the fall-semester research courses (OPT 6111 and 6122), most of which are available on-line at the course web site. Additional on-line resources are available through the John Vaughn Library.

**INSTRUCTIONAL PROCEDURES:** Instruction consists of guidance provided by Dr. Salmon, interaction with the project advisor and independent library research work. Refer to the guidelines you received last semester.

**STUDENT PERFORMANCE ACTIVITIES:** Work closely with your faculty advisor to complete the assignments listed below by the deadlines listed in Table 2.

- January 15 Attend class orientation.
- January 20 Contact faculty advisor to arrange a meeting to discuss methods & IRB.
- January 23 Download and read the IRB application. Learn the application procedure.
- January 20-Feb 17 Meet with advisor, fine tune and finalize protocol and IRB application.
- February 17 Submit IRB application to Dr. Jackson.
- February 17- Awaiting IRB approval; IRB revisions, if necessary  
Setting up experiment, test the apparatus and procedures
- March 3 Next IRB submission deadline
- March 16-20 Spring break
- April 10 Final protocol due to advisor
- April 30 Draft of introduction + methods due
  - Introduction <1,000 words with citations (OVS format)
  - Methods <1,000 words with figures
  - References (not part of word count)
- May 8 Trial run with preliminary data analysis  
Prepare to recruit subjects  
Prepare for data collection
- May 11-15 Final exams week (no final for this course)
- May 26-July 31 Summer session (complete the project)

Optometry 6262 has no formal assigned class times, but class meetings may be arranged as needed. New class information will be posted on Dr. Salmon's web site.

Although students chose the research topic and do most of the work, they should work closely with the faculty advisor, who is a co-investigator investigator. Students and advisors are expected to share authorship should the work be presented or published.

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:**

This course is one part of the year-long scientific research project. The main parts are the

- Literature review (OPT 6122; fall semester)
- Working out methods and preparing for data collection (OPT 6262; spring semester)
- Doing the experiment and writing the final paper (OPT 7062; summer semester)

**Table 1. Course grade components**

<b>Assignment</b>	<b>% course grade</b>
1. Attend class orientation	5
2. Contact advisor	5
3. Download, read IRB application	5
4. Finalize IRB application	5
5. Submit IRB application	5
6. Receive IRB approval	5
7. Submit written protocol to advisor	5
8. Advisor's grade for protocol	5
9. Complete trial run	5
10. Submit introduction & methods paper	5
Advisor's grade for final paper	25
Dr. Salmon's grade for final paper	25

Your grade for this course will be based on completion of the specific assignments listed above and in Table 2. Dr. Salmon will maintain a checklist to record whether or not students have completed the assignments on time. For simple assignments, meeting the deadline will earn a grade of A (numerical 100) ; < 7 days late, a B (numerical 85); and later a C (numerical 70). Each of the ten assignments will account for 5% of your course grade. Half of your course grade will be determined by the final paper (introduction & methods) grade, which will be the average of your faculty advisor's grade and Dr. Salmon's grade. To receive a grade of A on the final paper, it must well written (organization, clarity, grammar, etc.) and be scientifically sound. To summarize, the components of your course grade are listed below. For projects that don't require IRB approval, those students will be required to complete alternative assignments. For example, present to Dr. Salmon, the lab notebook, sample data sheets, procedure flow charts, letter of permission, etc.

Table 2 (attached) lists the assignments, due dates, faculty advisor's responsibilities and items that will be used to verify completion.

**ADA COMPLIANCE:** A member of the class who feels that he/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. Please advise Dr. Salmon of any such disability and the desired accommodations at the first class attended.

**INCLEMENT WEATHER/DISASTER POLICY:**

The basic premises for the inclement weather policy at NSU are:

1. Classes are expected to be held if at all possible.
2. Each student is responsible for identifying correct information about weather.
3. Neither students nor faculty are expected to risk life and limb.
4. Faculty members are obligated to hold classes, if possible, if NSU is open.

***Policy:*** During times of inclement weather, decisions concerning day classes will be made by 6:00 A.M. in order for the media to be notified and for students to receive information before they leave home for the site where the class is held. Decisions concerning night classes will be made by 3:00 P.M. The following media will be notified regarding closing of the campus:

**Radio Stations**

KRMG 740 AM Tulsa  
 KAYI 107 FM Tulsa  
 KTLQ 1350 AM Tahlequah  
 KEOK 101.7 FM Tahlequah  
 KBIX 1490 AM Muskogee  
 KMMY 97 FM Muskogee  
 KVOO 1170 AM Tulsa

**Television Stations**

KJRH Channel 2 Tulsa  
 KOTV Channel 6 Tulsa  
 KTUL Channel 8 Tulsa  
 KFSM Channel 5 Fort Smith  
 Cable Channel 96 Tahlequah

The automated attendant message at 918-456-5511 will be modified to include information about NSU during inclement weather.