

**NORTHEASTERN STATE UNIVERSITY**  
Oklahoma College of Optometry  
Tahlequah, OK 74464  
Spring Semester, 2012

**INSTRUCTOR:** Thomas O. Salmon, OD, PhD, FAAO, Professor. Office: Room BO5.  
Office Hours: 10-12:00 Tuesday-Friday. Other times by appointment.  
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**COURSE TITLE AND NUMBER:** Opt 6262 - Optometry Project II

**CLASS DAYS & TIME:** Monday, Jan 23, 10AM-12 lecture. Others 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, student investigators will prepare everything necessary to begin their experiments by the end of this semester. For non-experimental projects, make substantial progress toward project completion.

**EXPECTED COURSE OUTCOMES:** Student investigators are required to complete the following specific steps, as applicable to each project. Work closely with your faculty advisors, who are co-investigators. Part of your grade is based on how well you communicate and work with your advisor.

1. Write a detailed methods protocol statement.
2. Prepare everything necessary to begin the project by the end of this semester. (Lab notebook, consents forms, data sheets, flow charts, budget, written permissions (clinic space, Dr. Welch; classroom space, Dr. Wyatt), etc.
3. Complete an IRB application and obtain approval as necessary.
4. Perform a trial run, collect and analyze pilot data
5. Recruit subjects
6. Submit a draft of the introduction and methods of the final paper.

**INSTRUCTIONAL MATERIALS:** No textbooks are required. Handouts have been or will be provided, including materials from the previous two research courses and online (web site, Blackboard).

**INSTRUCTIONAL PROCEDURES:** Instruction consists of an introductory lecture and assignments from Dr. Salmon, collaboration with the faculty advisor and independent research work.

**STUDENT PERFORMANCE ACTIVITIES:** Key dates and deadlines.

- January 23 Introductory lecture
- January 24 Contact faculty advisor to arrange a meeting to discuss methods & IRB.
- January 24 Download and study the current IRB application.
- Jan - Feb Finalize the research question.  
Finalize the project title.  
Outline and plan everything necessary to run the study.  
Complete the IRB application.
- **February 13** Email the IRB application to Dr. Salmon.
- February 20 Submit complete IRB application via email to: [irb@nsuok.edu](mailto:irb@nsuok.edu)  
More information at the IRB web site: <http://arapaho.nsuok.edu/~IRB/>
- February 27 Official submission deadline for the March 1 IRB meeting
- March 19-25 Spring break
- March 26 Official submission deadline for the March 29 IRB meeting
- March 20, 21 National Boards, Part I
- **April 20** Submit final methods protocol to advisor. It must describe your methods

- April 23 in enough detail that someone could read it and run the experiment.
- April 30 Official submission deadline for the April 26 IRB meeting
- May 2 Email project paper (introduction and methods; MS Word .doc file) to your advisor and Dr. Salmon. Follow the formatting guidelines below.
- May 3-9 Trial run with preliminary data analysis
- May 6-10 Prepare to recruit subjects.
- May 11 Prepare for data collection.
- May 12 Final exams week (no final for this course)
- May 21 ARVO 2012 (Dr. Salmon will attend.)
- NSUOCO convocation
- NSU spring commencement
- Summer semester begins

#### *Role of faculty advisor*

Although students chose the research topic and do most of the work, they should work closely with their faculty advisor, who is a co-investigator. Students and advisors share authorship on all papers and posters submitted for this course or for publication. On publications or presentations, student names should be listed before the faculty advisor's name.

#### *Emails to Dr. Salmon*

In all email communication with Dr. Salmon, start the subject line with, *Project 2012*.

#### *IRB for projects that don't require human subjects*

Students doing a research that does not require IRB approval, that is no human subjects, must submit a simulated IRB application to Dr. Salmon by March 1. Refer to the methods from one of your reference papers to create a hypothetical IRB application.

#### *Paper length requirements*

The final paper for this course will include an abstract, introduction, methods and references section. Length requirements are summarized below.

Paper component	2 student investigators	1 student investigator
Abstract	< 300 words	< 300 words
Introduction	~ 1,000 words	~ 700 words
Methods	~ 1,000 words	~ 700 words
References	≥ 25	≥ 20

**STUDENT EVALUATION:** The course grade will be computed as shown in the table below.

Course component	Due date	Course grade %
1. Email IRB draft to Dr. Salmon	Feb 13	5%
2. Email application to IRB, cc Dr. Salmon	Feb 20	5%
3. Forward IRB approval to Dr. Salmon	May 9	10%
4. Final paper (advisor's grade)	April 30	35%
5. Final paper (Dr. Salmon's grade)	April 30	35%
6. Do trial run and email Dr. Salmon	May 2	10%

Meeting the deadline will earn a maximum grade of A (numerical 100); < 7 days late a B maximum (numerical 89); and later a C maximum (numerical 79). To receive a grade of A on the final paper, it must be well written (organization, clarity, grammar, etc.) and scientifically sound. The table below list paper length requirements.

**OFFICE HOURS:** Tuesday - Friday 10-12:00 or at other times by appointment.

**OTHER INFORMATION:**

Go to <http://offices.nsuok.edu/academicaffairs/SyllabiInformation.aspx> for information pertaining to academic misconduct, American Disabilities Act compliance, inclement weather/disaster policy, the Teach Act, accessibility and release of confidential information.

Please also go to <http://optometry.nsuok.edu/CurrentStudents/ClinicHandbook/ProfessionalBehavior.aspx> for academic and professional behavior policies for the College of Optometry.