

SYLLABUS

ORT 790 RESEARCH IN ORTHODONTICS

COURSE DIRECTOR: CYNTHIA S. BEEMAN, D.D.S., Ph.D

SECOND AND THIRD YEAR ORTHODONTIC GRADUATE STUDENTS

COURSE DESCRIPTION:

Clinical or basic scientific research in an area of dental interest. Independent research proposal designed by the graduate students. Completed research is submitted as a Masters thesis and defended as a requirement for the Masters Degree.

COURSE OBJECTIVES:

Graduate orthodontic students must complete and defend a Masters thesis research project as a requirement for graduation and receipt of their clinical certificate. Students receive a Masters of Science degree through the University of Kentucky Graduate School after the student has carried out productive, independent research on a problem of dental significance. This course does not have formal didactic structure.

COURSE EVALUATION:

Thesis Defense. Grades will be assigned each semester by the course director based on student progress reports filed in writing by the Thesis Advisor. Progress will be assessed following the expectations listed below.

All activities in this course are conducted under the College of Dentistry Code. The College has high expectations of each student concerning professional and academic responsibilities, including self-governance. If you have questions about expected standards of behavior, it is your responsibility to discuss and clarify these questions with the course director.

SECOND YEAR EXPECTATIONS

By the end of the first year (May 31), the student will have identified a thesis project and discussed it with the Director of Orthodontic Graduate Program Research. The Director will help the student identify a thesis committee, following the guidelines outlined by the Head of Graduate Studies and the Master's Program Oversight Committee. By August 31 of the 2nd year, the student should present a research prospectus to the thesis committee, and after preliminary approval by the committee, the student will develop the protocol for review by the Master's Program Thesis Protocol Review Committee. If appropriate, assurances from the Medical Institutional Review Board or the Institutional Animal Care and Use Committee should be obtained. The student is expected to begin data collection during the second year, and will have a minimum of two thesis committee meetings each semester to discuss his/her progress. By the end of the second year, the thesis committee should have received the initial draft of the literature review and materials and methods section of the thesis.

THIRD YEAR EXPECTATIONS

By the beginning of the third year (August 1), the student should have completed data collection, and by September 15, analysis should be complete. The student is expected to submit the results of the research to the AADR/IADR for presentation at the Annual Session the next spring. The deadline for abstract submission is mid-late September. An initial draft of the thesis (literature review, materials and methods, and results) should be submitted to the committee by December 31. The student is expected to meet with the committee at least twice during the Fall and Spring semesters.

The student is expected to participate in College Research Day during the spring of the 3rd year, and to attend to AADR/IADR Annual Session (upon acceptance of the abstract). In rare circumstances pre-approved by the Program Director and the Director of Orthodontic Graduate Program Research, an alternative national scientific session may be considered in lieu of the AADR/IADR meeting.

If the student expects to receive a May degree, application should be made to the Graduate school at the beginning of the Spring semester (see <http://www.research.uky.edu/gs/> for exact dates). The Graduate School web site will provide the deadlines to apply for the thesis examination (oral defense) and to submit the final thesis. The application to sit for the thesis examination must be made at least 2 weeks before the oral defense, and this deadline falls during the first week of April, in order to receive the May degree.

The student is expected to provide a copy of the thesis to the committee at least 2 weeks before the examination. Following successful completion of the examination, the student must submit the final thesis to the Graduate School by the deadline listed on the Graduate School web site (usually the last week in April/first week in May). In order to receive the clinical certificate in orthodontics, the following MUST be provided to the Director of Orthodontic Program research:

1. Final copy of thesis: hard and digital copies
2. Manuscript suitable for publication to AJODO, Angle Orthodontist or peer reviewed scientific journal (the manuscript should follow the guidelines of the journal to which it will be submitted): hard and digital copies
3. Endnote libraries for the thesis and manuscript
4. Powerpoint thesis defense presentation: digital copy

The Director of Graduate Program Research will sign the graduation checklist after the above items are submitted and reviewed.