



RESEARCH

DIRECTIONS: PLEASE READ AND FOLLOW CAREFULLY.

- Select a Faculty Sponsor. Design your project in consultation with your sponsor. Write a working draft of pages one and two so that revisions suggested by your sponsor may be incorporated in the final proposal.
- **TYPE** your proposal on this form. Obtain sponsor and academic advisor signatures. Make two copies of the completed proposal 3/4 one for you and one for your sponsor.
- Submit the **original** to your sponsor's department chair 3/4 this is **very** important.
- **Notes on deadlines: independent study proposals are due to academic departments during the registration advisement period for the term in which the independent study will occur. Proposals submitted after published registration deadlines must be accompanied by a written explanation. Proposals received after the end of the drop/add period for the term of the proposed study may not count toward students' financial aid hours.**

INDICATE HONORS DESIGNATION (IF ANY)

Honors Degree Program Project? Yes No Honors in the Major Field Project? Yes No
(Requires Honors Program Coordinator approval at senior level.) (Requires submission of Honors in the Major contract form.)

NAME: Rising Senior Student **SSN:** XXX-XX-XXXX

Campus Box: XXXX Phone: XXX-XXX-XXXX

YOUR CLASS YEAR DURING STUDY: Sophomore Junior Senior **TERM(S)/YEAR(S) PROPOSED FOR STUDY:**
 Fall Spring, 2006--2007

SEMESTER HOURS PER TERM: 1 2 3 4 5 6 **TOTAL SEMESTER HOURS FOR PROJECT:** 8

DEPARTMENT: Psychology **LEVEL:** 200 300 400 (determined by sponsor)

ACADEMIC ADVISOR: Paul Harris **MAJOR:** Psychology

FACULTY SPONSOR(S): Jennifer Queen **COMMITTEE MEMBERS/READERS:**
Roger Ray
John Houston

PROJECT TITLE: *The abbreviated title you provide will appear on your transcript; do not exceed the spaces provided. Use one box per character, including punctuation and spacing. A full academic title for the project must also be provided to fully articulate the proposed project.*

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Full Title: Developing an Assessment of General Audio/Visual Comprehension

PLEASE PROCEED TO SECTION ONE

D E A N O F F A C U L T Y

Rec'd: _____ Rev'd: _____
 Dean: _____ Comm: _____
 Rtn'd: _____ App'd: _____

OFFICE OF STUDENT RECORDS

Course No: _____ Term: _____
 Course No: _____ Term: _____

1. PURPOSE OF STUDY

a) What are your specific objectives? Provide a thesis or brief abstract.

Although the use of multimedia technology in education has become widespread in recent years, the findings from empirically-based studies of the efficacy of such technologies are inconclusive. The proposed study aims to establish the validity and reliability of a measure for the assessment of audio/visual comprehension (AVCSA) created by our laboratory over the summer. An extensive search of the literature revealed no such general measure of audio/visual comprehension, thus necessitating the development of the AVCSA. In order to demonstrate the validity of this assessment, participants will be administered one or both forms of the AVCSA along with reading comprehension assessments and/or an intelligence test in order to provide quantitative data upon which correlational analyses will be performed. Reliability will be demonstrated through the administration of alternate forms and through test/re-test. It is anticipated that, once validated, the AVCSA will provide a powerful tool for the education community and will contribute significantly to the scientific literature. The AVCSA is anticipated to be particularly valuable in informing instructional design protocol in order to maximize students' learning.

b) How does this research project further your course of study? How are you qualified to undertake it? What specific courses have you taken which prepare you for the work?

This project will fulfill the requirements for Senior Honors in the Psychology Major. Through this research, I hope to contribute meaningfully to the field of applied cognition and to better prepare myself for scholarship and research at the graduate level. It is the continuation of independent study research and student-faculty summer scholarship research conducted during the spring and summer of 2006. Courses in cognitive psychology and learning principles and previous independent studies have provided a strong knowledge base to understand the conceptual and theoretical bases of the proposed research, while past research experience and courses in statistics and research methodology have provided the skills required to conduct experimental research and analyze and interpret data.

2. REQUIRED ACADEMIC TIME

What activities (conferences, library research, laboratory research, studio work, writing, etc.) will you undertake to meet your objectives? How many hours do you estimate each activity to require during a typical week of the term. To earn four semester hours of credit you should average 9-12 hours of work per week in the fall or spring.

Fall

Running subjects: 8 – 10 hours per week

Conferences with faculty sponsor: 1 hour per week

Seminar with other members of research program: 2 hours per week

Library research: 1 – 2 hours per week

Data entry and analysis: 1 – 2 hours per week

Spring

Data entry and analysis: 2 – 3 hours per week

Conferences with faculty sponsor: 1 hour per week

Seminar with other members of research program: 2 hours per week

Library research: 3 – 4 hours per week

Thesis writing: 3 – 4 hours per week

3. PRELIMINARY BIBLIOGRAPHY

Which books, periodicals, journals, primary documents, and other sources will you explore? Use a proper bibliographic form accepted by the discipline in which your project falls. Attach a separate sheet if necessary.

Please see attached bibliography.

4. MEANS OF EVALUATION

Indicate the criteria upon which your grade will be based. Please estimate the percentage of each category that applies to your study and provide a brief, but specific, description of each (i.e., a 50-page paper, ten journal entries of 250 words, nine laboratories, seven finished sculptures, etc.).

a) 50 % PAPER

50 page paper will follow the guidelines for set forth for publication by the APA. Paper will be submitted to peer-reviewed journal at some point during Spring semester

b) _____ % JOURNAL

c) 30 % LAB/STUDIO

Anticipated laboratory time is approximately one hour per participant for individual administration of the Slosson Full-Range Intelligence Test (~50 participants), plus an additional hour per every 5 participants for group administration of the AVCSA and reading comprehension measures (10 – 15 hours), and supervision and training of a laboratory assistant

d) 10 % EXAM: ORAL/WRITTEN

NOTE: If the project is for the Honors Degree Program or Honors in the Major Field, indicate in item "d" the percentage of your grade which will be determined by your presentation to the Examining Committee/Readers.

Oral defense to committee members

e) 10 % OTHER

Meeting with advisor to set up deadlines and procedures. Seminar meetings with advisor, other students and faculty discussing issues related to this research. Presentation of research at AERA.

5. STUDENT, SPONSOR, AND ADVISOR SIGNATURES

STUDENT: _____

Date: _____

SPONSOR: _____

Date: _____

SPONSOR: _____

Date: _____

ADVISOR: _____

Date: _____

6. DEPARTMENT CHAIR AND PROGRAM DIRECTOR APPROVAL AND SIGNATURE

(To be completed by faculty sponsor's department chair. If the project fulfills a requirement for a special program, e.g., Honors, LACA, International Relations, you must also obtain approval from the program director.)

_____ APPROVED; I certify that a majority of the department's members have approved this study.
(Forward to the Office of Dean of Faculty.)

_____ MODIFICATIONS REQUIRED; list modifications on separate sheet and return proposal to student. If student wishes to pursue the project, s/he must make the modifications required and return the proposal for departmental approval. If subsequently approved, the department chair should initial below that the changes have been made, and forward to the Dean's Office.

_____ APPROVED; I certify that the majority of the members of the department have approved this study as amended.

_____ DECLINED; the department will not reconsider this proposal. (List reasons and return to student.)

CHAIR: _____

Date: _____

PROGRAM DIRECTOR: _____

Date: _____

7. DEAN'S OFFICE APPROVAL AND SIGNATURE

(To be completed by the Assistant Dean.)

_____ APPROVED; forward to the Office of Student Records.

_____ MODIFICATIONS REQUIRED; the Academic Affairs Subcommittee and/or Dean of the Faculty will approve this project if you will make the modifications and/or additions specified on the attached sheet and submit them in the form of a written statement to the Assistant Dean of the Faculty within five days. This written statement must be signed by your faculty sponsor and attached to this form.

_____ APPROVED; the Academic Affairs Subcommittee and/or Dean of the Faculty approve this study as amended.
(Forward to the Office of Student Records.)

_____ DECLINED; the Academic Affairs Subcommittee and/or Dean of the Faculty will not approve this project for the reasons specified below. The project will not be reconsidered.

Assistant Dean: _____

Date: _____

Bibliography

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