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PhD Information Studies

STUDENT HANDBOOK



School of Information Studies

SOIS PhD Handbook

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1 Introduction to the Program

1.1 What to Expect

Welcome to the University of Wisconsin-Milwaukee (UWM) School of Information Studies (SOIS) PhD program in Information Studies. You are embarking on an academic adventure that will require dedication, commitment and perseverance. Unlike a Masters program that can be finished in one or two years, you are likely to be spending an absolute minimum of three, but most likely at least four, years of full-time study to complete the degree requirements. Part-time students will require longer.

For those entering this program with an MLIS, or other equivalent professional degree, you will find that the focus is different in the doctoral program. The PhD is a research degree requiring in-depth study of your chosen topics. The culmination of your efforts will be a dissertation—an impeccable piece of original research that contributes to the knowledge base of information studies.

Whether your career aspirations are to work in academe, to join industry, or to pursue a senior management role in an information agency, the outcome will depend largely on what you are willing to put into the program.

Regular communication will be important. Stay in touch with your committee once formed and particularly with your Major Professor.

1.2 Financial Aid Opportunities While a Student

There are several types of assistance available on a competitive basis through the SOIS or the UWM Graduate School. Deadlines for applying for these opportunities will vary, but generally are well in advance of the semester for which the support is sought. Students who are working full-time outside of UWM will not be eligible for project assistantships but are eligible for tuition scholarships.

1.2.1 Project Assistantships

Project Assistantships (PAships) are intended to provide research and course assistance opportunities for full-time students. Standard SOIS project assistantships will consist of a 1/3rd appointment, which covers tuition, benefits, and provides a stipend in return for 13 hours of service per week. Awarded PAships may be for the academic year (9 months) or the full year (12 months). SOIS has a limited number of PAships that are awarded competitively annually. The deadline for applying for a PAship will usually be around February 1st of the previous academic year.

PAships also may be available through funded research projects obtained by SOIS faculty. The number of openings will depend on the current number of active grants within the School. Students are encouraged to talk to faculty members to let them know of their interest in these positions. In turn, faculty members will be encouraged to advertise their available positions. Grants could also be used to fund hourly workers.

Students should check with faculty members to determine the nature of available positions. Note that hourly positions do not provide tuition remission or similar benefits.

1.2.2 Tuition Scholarships

The School will award a limited number of tuition scholarships that will cover up to 6 credits of in-state or out-of-state tuition per semester for the academic year. These scholarships will benefit students who are working full-time off campus.

Students with PAships or other forms of scholarship that already cover tuition are not eligible for tuition scholarships.

1.2.3 Graduate School Fellowships

The UWM Graduate School awards a limited number of highly competitive scholarships with similar benefits as project assistantships without work requirements. The deadline for applications is usually sometime in January for the following academic year. Information on Graduate School Fellowships may be found at:

<http://www.graduateschool.uwm.edu/students/financial-support/fellowships/>

1.2.4 Graduate School Dissertation Fellowships

Similar to the Graduate School Fellowships, the Dissertation Fellowships provide students who hold dissertator status financial support to focus on their dissertations. Consult the Graduate School for further information at:

<http://www.graduateschool.uwm.edu/students/financial-support/fellowships/>

1.2.5 Advanced Opportunity Program Diversity Fellowships

AOP Fellowships are designed to assist members of groups under-represented in graduate study, and other disadvantaged students, to enter and complete a graduate degree at UWM. Applicants must be American citizens or permanent residents of the United States. More information may be found at:

<http://www.graduateschool.uwm.edu/students/financial-support/fellowships/>

1.2.6 Adjunct Teaching

Students with appropriate expertise and interest may be hired to teach one or more classes at the bachelors or masters level. Remuneration will be on a per course basis and does not include tuition remission or benefits. Contact the SOIS Associate Dean or Assistant Dean for more information or to express your interest in being considered for adjunct teaching opportunities. See the SOIS website:

<http://www.uwm.edu/Dept/SOIS/directory/index.html>

1.3 Other SOIS and Professional Involvement Opportunities

Students are encouraged to become involved with the activities within the School. This could include attending or presenting at research colloquia, representation on the Doctoral Program Committee, or participation on other standing and ad hoc committees within the School.

Research is fundamental to the PhD program. Students are encouraged to work with faculty members or with fellow doctoral students to develop research projects of mutual interest during their time at UWM. For students seeking to enter the academy, evidence of scholarly potential and productivity prior to graduation in the form of journal articles, conference presentations, and proceedings is sought by universities.

While a student, you are also encouraged to become involved in relevant professional and scholarly societies. The connections you make and the exposure you receive through your involvement will serve you well in achieving your professional goals.

1.4 Assignment of a Major Professor

Unless a student specifically requests a particular faculty member, all doctoral students initially are assigned an "interim" advisor. By the time a student completes 12 credits, usually by the end of the second semester, a student is required to designate a faculty member from an approved list of major professors (see Appendix A) with specialized interests compatible with those of the student to act as the Major Professor. The Major Professor is expected to assist the student in planning the remainder of the program of studies, chair the student's preliminary examination committee, supervise the completion of the PhD dissertation, and conduct the dissertation defense meeting. Specific faculty members may not be available to serve as a Major Professor if they are currently at capacity (i.e., serving as a Major Professor for up to five students).

1.5 Residency Requirements

The standard Graduate School residency requirements apply for the PhD program (see <http://www.graduateschool.uwm.edu/students/current/doctoral/>).

Generally, this entails two consecutive semesters of full-time (minimum of 8 credits) enrollment, excluding summers, or three consecutive semesters of part-time enrollment (minimum 6 credits per semester), excluding summers.

Students may wish to pursue career opportunities after meeting the residency requirements. However, students are strongly discouraged from doing so until after successfully passing their preparatory essays (preliminary exams), and preferably after defending their dissertation proposal.

1.5.1 Registration Interruptions

Students may need to interrupt their studies for a variety of reasons. Consult the Graduate School policies on registration interruptions.

1.6 Contacts in SOIS and the Graduate School

School of Information Studies

General Inquiries	SOIS Front Office phone: 414 229-4707 fax: 414 229-6699
SOIS PhD Admission Materials	Linda Barajas e-mail: barajas@uwm.edu phone: 414 229-3316
Fellowship Opportunities	<u>Graduate Advising Staff</u> Sharon Lake e-mail: salake@uwm.edu phone: 414 229 -5358 Twyla McGhee e-mail twyla@uwm.edu phone: 414 229-2902 For other forms of financial aid, visit the UWM Department of Financial Aid website at: http://www4.uwm.edu/financialaid/
Academic Questions Regarding the Program	Dietmar Wolfram, Director of the PhD Program e-mail: dwolfram@uwm.edu phone: 414 229-6836
Step 2 Academic Appeals	Associate Dean Hope Olson e-mail: holson@uwm.edu phone: 414 229-6837

UWM Graduate School / Center for International Education

Admission Materials Center for International Education (for international applicants)	Heidi Matera e-mail: matera@uwm.edu Phone: 414 229-4846
Graduate School	Carol Boers e-mail: cboers@uwm.edu phone: 414 229-3211
Degree Requirements (once admitted)	Pat Hayes e-mail: hayes@uwm.edu phone: 414 229-6263
Step 3 Academic Appeals	Associate Dean Gwat-Yong Lie e-mail: gwatlie@uwm.edu phone: 414 229-4100

Additional Graduate School contact information may be found at:
<http://graduateschool.uwm.edu/contact-us/directory/>

Information on Appeals processes may be found at:
<http://www.graduateschool.uwm.edu/students/policies/appeals-and-exceptions/>

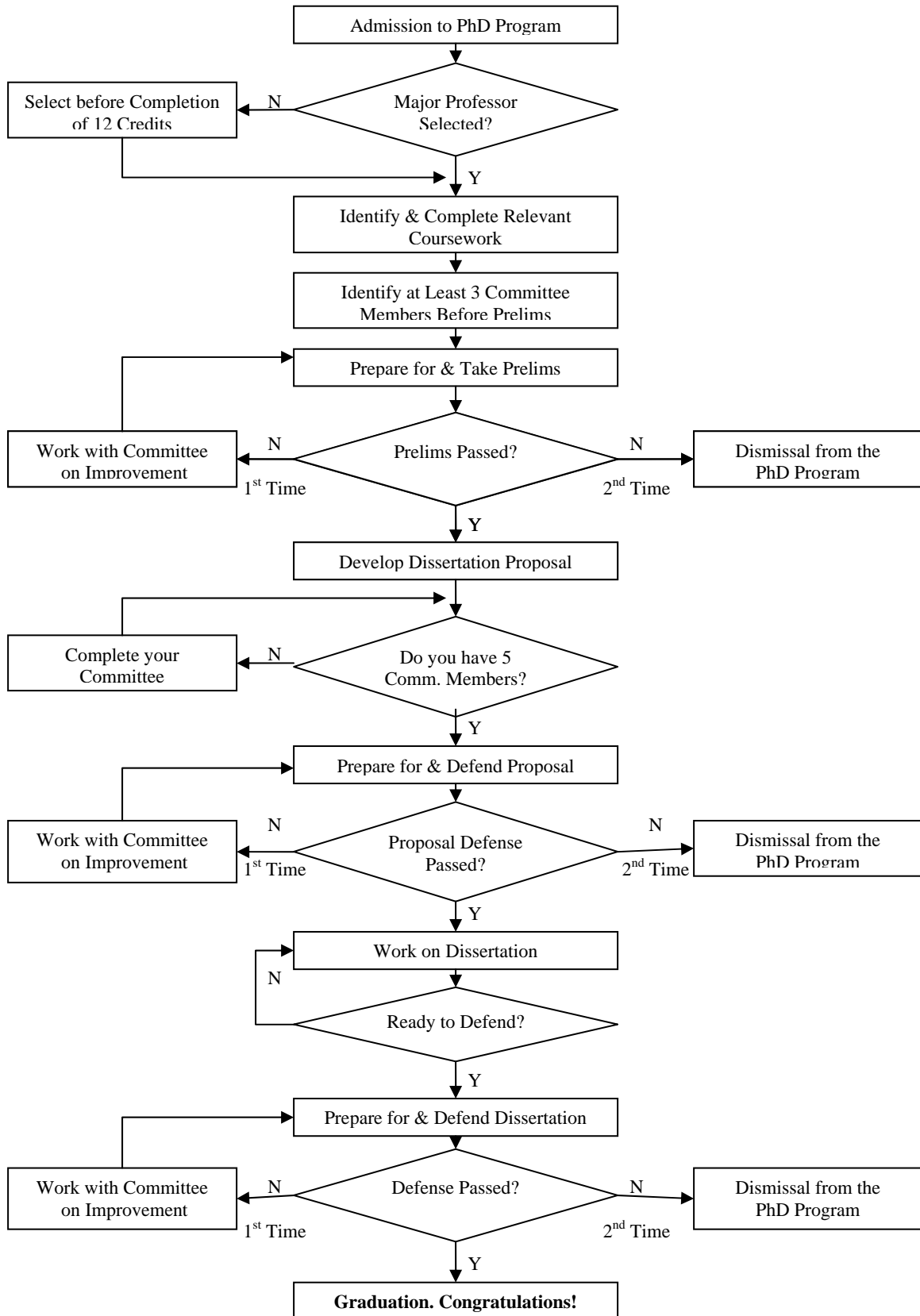
2 Milestones/Deadlines

2.1 Chart of Milestones and Deadlines

Milestone	Deadline	Student Responsibilities	Major Professor Responsibilities
Major Professor	Must be assigned within two semesters of admission		
Program of Studies	Must be filed by the time the student has completed 12 credits toward the degree, preferably by the end of the second semester in the program	Fill in the form (see SOIS website) in consultation with Major Professor	Must sign off on Program of Studies and submit to the PhD Program Director
Residency	Must be completed prior to achieving dissertator status		
Doctoral Committee	At least three members must be assigned by the time the preparatory essays are attempted	Must consult with Major Professor on potential committee members	Must approve committee membership
Preparatory Essays	Must be completed by the end of the fourth year Attempt must be registered by first week of semester in which they are to be completed & four weeks before planned start date of exam.	Must complete section I of the Prelim Application form http://www.uwm.edu/Dept/Grad_Sch/Forms/docprelim.pdf	Must complete section II of the Prelim form and section IV once completed
Dissertation Proposal Defense	Application must be made at least two weeks before the hearing date.	Must complete section I of the Dissertation Proposal Defense form: http://www.uwm.edu/Dept/Grad_Sch/Forms/prop_hearing.pdf	Must complete section II of the Dissertation Proposal Defense form
Dissertator Status	Can be sought no earlier than after completion of the Preparatory Essays	Must complete Section I of dissertator application form: http://www.uwm.edu/Dept/Grad_Sch/Forms/diss_status.pdf	Must complete Section III of dissertator application form.
Dissertation Defense	Application must be made at least The oral defense must be held two weeks prior to graduation to graduate in a given semester.	See Graduate School Guidelines under section 6 Dissertation Defense and Graduation at: http://graduateschool.uwm.edu/students/current/doctoral/	1. Complete section III of the form & return form to PhD Program Director two weeks prior to the oral defense. Include a copy of the abstract and a memo indicating the date, time, and location of the Defense.

			<p>(The application will be forwarded to the Graduate School. The Graduate School will review the application and produce a warrant. The warrant will be forwarded to you so that it may be signed at the Defense Hearing.)</p> <p>2. Receive warrant for oral defense and dissertation evaluation forms at conclusion of Final Defense</p> <p>3. Immediately return both the warrant and the evaluation forms to Educational Psychology Doctoral Office.</p>
Graduation	<p>Students must apply for graduation by the second week of the semester in which they plan to graduate</p> <p>Students must graduate within seven years of entry into the program.</p>	<p>You must provide a copy of the dissertation to the Director of the PhD program.</p>	

2.2 Flowchart of Degree Activities



3 Coursework

Students will need to complete a minimum of 33 credits of approved coursework at the 700-level or higher in research methods, a major area, and a minor area. Coursework completed prior to entry into the PhD program may be considered for transfer into the program with the following stipulations:

- the course was not counted towards the completion of another degree
- the course is deemed appropriate and relevant to the program by the student's Major Professor and the Director of the PhD program
- the course was completed within the past five years (may be less for rapidly changing areas, to be determined by the Major Professor)

Standard Graduate School minimum and maximum credit loads apply (see <http://www.graduateschool.uwm.edu/students/policies/>). Full-time students are discouraged from taking more than 9 credits per semester.

Students, along with their Major Professor, should develop a plan for coursework that will prepare the student to carry out research in their areas of interest. Although an identified dissertation topic is not required upon entry to the program, students should begin to formulate ideas for potential topics as soon as possible thereafter. These interests will guide the coursework to be taken in each of the three areas.

Information about coursework may also be found on the SOIS website at: http://www.uwm.edu/Dept/SLIS/academics/phd/phd_program_details.html.

3.1 Preparatory Coursework (when required)

Students who do not bring an MLIS degree or equivalent will be required to complete the four core courses of the MLIS program (501, 511, 571, 591) prior to taking any doctoral courses. These courses will not count towards the PhD degree requirements

In addition, some doctoral courses may require students to first complete lower level courses at the undergraduate/graduate level as deemed necessary by the student's Major Professor. Again, these courses will not count towards the degree requirements. It is strongly recommended that students consult closely with their Major Professor upon entry into the program to plan a strategy for course completion in each area.

3.2 Research Methods

All students are required to complete a minimum of 12 credits in research methods, including L&I Sci 901–Doctoral Seminar in Information Studies. Barring exceptional circumstances, this course will be taken in the student's first semester in the program. At least 3 credits of approved coursework in quantitative methods in the social sciences taken at the 700-level or higher is necessary and at least 6 additional credits in approved research methods coursework are needed. The remaining credits will be guided by the student's planned research areas and may include coursework in qualitative, quantitative

or humanities-based research methods. Additional coursework may be required at the discretion of the Major Professor. A non-exhaustive list of potentially relevant courses appears in Appendix B.

3.3 Major Area

Students must complete a minimum of 12 credits of coursework in one of three major areas of the program: Information Policy, Information Retrieval, or Organization of Information. Each major area has a required seminar course, usually taken mid-way through the student's coursework:

- 910 – Doctoral Seminar in Organization of Information
- 960 – Doctoral Seminar in Information Policy
- 970 – Doctoral Seminar in Information Retrieval

Additional coursework may come from approved existing graduate courses within the SOIS, advanced special topics classes offered within the School at the 700-level or higher, Independent Research (L&I Sci 999), or approved courses offered outside of the School.

3.4 Minor Area

Students must complete a minimum of 9 credits in a minor area. This minor area may consist of one of the other two major areas within the PhD program, a minor outside of the School in an allied subject area, or a specialty area that is constructed in consultation with the Major Professor. Students who pursue one of the remaining major area topics as their minor will need to complete the required seminar course for that area. In all cases the minor area courses must be approved by the Major Professor.

Minor areas outside of information studies may be selected in any field relevant to the student's research interests (e.g., Psychology, Sociology, Political Science, Computer Science, Education). Students may need to complete foundational coursework in the area if they do not bring prior background. An interdisciplinary minor may be constructed with the approval of the Major Professor.

3.5 Tentative Schedule for Required Courses

Course	Semester
901 – Doctoral Seminar in Information Studies	Fall
910 – Doctoral Seminar in Organization of Information	Spring or Summer
960 – Doctoral Seminar in Information Policy	Spring or Summer
970 – Doctoral Seminar in Information Retrieval	Spring or Summer

Students should consult other units on campus for the schedule of relevant course offerings in research methods and their minor areas, where appropriate.

4 Program of Studies & Annual Review

4.1 Forms and Submission Requirements

All students are required to submit a Program of Studies by the time they have completed 12 credits in the program—usually, by the end of the second semester. This document outlines the student’s academic strategy for completion of the course requirements for the program. One signed original and three copies are to be submitted to the Director of the PhD program, along with one copy of the student’s vita.

4.2 Making Changes to the Program of Studies

The Program of Studies serves as a guide to completion of the course requirements. It is understood that, for various reasons, changes may need to be made to reflect changes in course selection, an area of study, or changes in the student’s doctoral committee composition. These may be made in consultation with the student’s Major Professor and filed at any time with the PhD Program Director.

The Program of Studies form may be found at:

http://www.uwm.edu/Dept/SOIS/docs/phd_pos.pdf

4.3 Annual Review of Student Progress

Students will be required to submit an annual report of their progress in the program, due August 1st each year. Student progress will be evaluated by the student’s doctoral committee. Students who are found to be making unsatisfactory progress will be given a semester to rectify the situation before any disciplinary action may be taken.

The Annual Report form may be found at:

http://www.uwm.edu/Dept/SOIS/docs/phd_progress.pdf

5 Doctoral Committee

5.1 Selecting Committee Members

A doctoral committee of five faculty members will be in place by the time the student undertakes her/his dissertation proposal.

All doctoral committees shall be chaired by a Major Professor from the SOIS graduate faculty.

At least three of the committee members must be SOIS faculty members who hold graduate faculty status (see Appendix A).

A faculty member in an allied area from outside the School will be required for the committee unless the student can make a compelling case for all members to come from the School.

A fifth member is required and may come from SOIS or another school or college on campus. A qualified faculty member who is external to UWM may be appointed to the committee with the approval of the Major Professor and PhD Program Director. Retired faculty members are not eligible to serve as major professors. However, with the approval of the Major Professor and PhD Program Director, a retired faculty member may serve as a member of the committee.

5.2 Changing Committee Members

Students may request a change in their doctoral committee composition with the approval of their Major Professor. If the student wishes to change Major Professors, this may be done with the approval of the PhD Program Director.

If a student's Major Professor retires or leaves the university prior to the student's graduation, the student will be required to find another eligible Major Professor. However, the former Major Professor may continue as a member of the committee.

6 Preparatory Essays (Preliminary Examination)

6.1 Planning for the Preparatory Essays

Students will be required to complete the doctoral preparatory essays towards the end of their coursework. These serve as the student's preliminary examination. The purpose of the essays will be to demonstrate the student's mastery of coursework and relevant subject matter and the student's qualifications to proceed with dissertation research.

At the beginning of the semester that students are eligible to take the preparatory essays, both the student and the Major Professor must complete Sections I and II of the Application for the Doctoral Preliminary Examination

(<http://www.graduateschool.uwm.edu/forms-and-downloads/students/doctoral-preliminary-examination-application.pdf>).

After the form is returned to the Graduate School, eligibility is validated and the Graduate School completes Section III. After the exam, the examining committee members and the PhD Program Director complete Section IV and submit it to the Graduate School.

During the semester that you are undertaking the preparatory essays, you may enroll for a minimum of 1 graduate credit and still be considered full-time for financial aid or grant purposes. International students should check with the Center for International Education (CIE) for more information. This status is available for one semester only, and does not fulfill residence requirements. To request this option, you must have already submitted your application for the Doctoral Preliminary Examination. Teaching, project, and research assistants must also submit the Graduate Assistant Justification form for approval to enroll for this one-credit exemption. See the Graduate School documents on "prelims" for more information

(<http://www.graduateschool.uwm.edu/students/current/doctoral/>)

The preparatory essays must be successfully completed within four years of initial enrollment.

6.2 Format

The essays will consist of three areas: research methods, the major area, and the minor area. The essays represent non-credit research papers based on topics assigned by the student's doctoral committee. The timeline for completion of the essays will be at the committee's discretion but must be completed by the end of the semester in which they are attempted. There will also be an onsite oral defense component to the essays to allow committee members to ask questions of the student and for the student to elaborate on her/his essay contents.

6.3 Evaluation

Based on the committee's assessment of the essays and the oral defense, students will be recommended for advancement toward the PhD or academic dismissal from the program.

The rubric for assessing student responses to each of the three areas follows:

HIGH PASS

- The student demonstrates a thorough understanding of the topic.
- Ideas are presented in a logical, insightful, and well-organized manner.
- New interpretations or novel ideas are presented regarding the topic.
- The student appropriately cites and integrates an extensive range of literature on the topic.
- The essay is of a publishable quality.

PASS

- The essay covers the key ideas and issues associated with the topic.
- The student demonstrates a clear understanding of the concepts presented and correctly applies analytical reasoning to the topic.
- An adequate number of relevant sources are appropriately acknowledged and applied in the essay.
- The essay is clearly organized and presented.

FAIL

- The student's response does not show a clear understanding of fundamental concepts or key ideas are missing.
- Ideas are not presented logically and in an organized manner.
- The student is unable to articulate relationships between key ideas.
- Ideas presented are simply a recitation of others' ideas.
- Insufficient numbers of sources are cited in developing the response.

6.4 Retaking the Preparatory Essays

If the essay results are found to be unsatisfactory, the student will have one opportunity to repeat the essay in a future semester after conferral with the Major Professor on how to prepare for the next attempt. Students who fail one of the three areas may be allowed to resubmit their failing response during the same semester with the approval of the committee. Students who fail two or more areas of the preparatory essays will be required to retake the entire essays in a future semester.

7 Candidate for Degree

7.1 Eligibility & application process

You are eligible to become a dissertator when you have:

1. Completed all major and minor course requirements.
2. Passed the doctoral preparatory essays.
3. Submitted a dissertation topic summary or proposal hearing form to the Graduate School.
4. Met residence requirements.
5. Cleared incomplete and "progress" grades/reports in non-research courses.
6. Achieved a 3.0 or higher cumulative GPA.

You must submit an Application for Doctoral Dissertator Status for this information to be verified and approved by the Graduate School and your graduate program unit. You must submit the form before the semester begins.

7.2 Maintaining Continuous Enrollment

According to the Graduate School, doctoral students with dissertator status must maintain continuous registration.

- A dissertator must register for 3 graduate-level dissertation or research credits (at the current per-credit dissertator rate) each semester until the dissertation is accepted by the Graduate School. During any summers in which you use University facilities or faculty time, are a fellow or research assistant, or plan to graduate, you must register for 3 graduate-level credits (dissertator rate) in the regular eight-week summer session. Three is the minimum (and the maximum) number of graduate credits required per semester.
- The Graduate School will monitor your registration every semester to be sure that you are registered properly. The Graduate School has the authority to remove you from dissertator status if you are not in compliance with dissertator regulations. The Graduate School will notify you and your program unit of dissertator status requirements and of any registration problems. If you do not maintain continuous registration, you will be placed in a default status.
- Default status: If you break the continuous registration requirement after attaining dissertator status, you will be assessed a completion (dissertator default) fee of 12 credits. After re-entry, the 12 credit completion fee is reduced by 3 credits per semester for each consecutive semester of enrollment. If you return for at least 4 consecutive semesters following a break in registration, the completion fee is not assessed.

7.3 Staying Focused: Avoiding Becoming a Permanent ABD

The structure of the program changes for students after completion of the preparatory essays. Unlike the structured format of the program during coursework, the program now

becomes open-ended with no pressing deadlines other than the degree completion deadline. In consultation with their Major Professors, it is up to students to set appropriate goals for themselves to complete their dissertation proposal and ultimately their dissertation. At this stage, students are considered to be “All But Dissertation” or ABD. This is a time when students may develop a case of “thesisitis”, where dissertation work is postponed or students hit a wall and don’t know how to proceed. Don’t let minor setbacks derail your plans.

If you find yourself in a position where you have become bored with your proposed topic or uncertain about how to proceed, talk to your Major Professor for guidance and to your classmates for moral support. Everyone undertaking a PhD program goes through a period of introspection where they may run out of steam for a short time. You must not let this become a long term obstacle. Once you lose momentum towards completion of your dissertation research, it becomes harder to get back to work—and progressively so, the longer you procrastinate.

On a similar note, once students (particularly full-time students) reach dissertator status, they may wish to venture out into the working world to begin pursuing the career options that prompted them to undertake doctoral study. Ideally, students should not pursue these options until they have completed their degree. However, for a variety of reasons including financial needs or other career and family obligations, this becomes a necessity. If you are in a position where you must seek or return to external employment while still completing the degree, be sure to develop an agenda for completion of the dissertation and **stick to it**. It becomes all too easy to focus on the new career opportunity that was opened up by pursuing the PhD and forget that without the PhD in hand this opportunity may be only temporary. This is particularly true in academe where a faculty member is hired as an ABD with the understanding that the degree completion is imminent. A few years later the degree is still in progress and the faculty member’s contract is not renewed. A short-term gain was replaced with a potentially longer term career liability. The lesson here is simple: Don’t become a permanent ABD.

A useful resource for dissertators is the “All-But-Dissertation Survival Guide” archive available at: <http://www.abdsurvivalguide.com/secret.html>

8 Dissertation

8.1 Preparing the Proposal

Approval of the dissertation proposal, which ordinarily should occur within two semesters after successfully passing the preparatory essays, allows a student to proceed towards completion of the dissertation. The dissertation represents a piece of original research that contributes to the knowledge base of the field. The proposal establishes the foundation on which the dissertation research will be undertaken. Generally, the proposal will consist of three chapters:

- 1) An introduction that outlines the research problem and specific questions to be undertaken, along with a brief summary outlining the significance of the research problem and how it will contribute to the knowledge base of the field.
- 2) A thorough review of relevant literature on the topic that provides a context for the research
- 3) A detailed presentation of the methodology to be used, including the types of data/evidence to be collected and analytical techniques to be used. This includes detailed data collection instruments such as surveys or interview protocols to be used.

If a dissertation topic is undertaken as part of a larger faculty member-initiated research project, the student must delineate her/his unique contributions to the project.

8.2 Defending the Proposal

At least two weeks before the proposal defense, the student must notify the PhD Program Director of the time, date and location of the proposal defense hearing. A Doctoral Dissertation Proposal Hearing form must be filled out, available at: http://www.uwm.edu/Dept/Grad_Sch/Forms/prop_hearing.pdf).

Based on the proposal defense, if the committee concludes that the student is not ready to proceed with the dissertations, he or she will be allowed one opportunity to re-define the proposal at a time decided by the committee. Failure to pass the proposal defense the second time will result in dismissal from the PhD program.

8.3 Seeking Institutional Review Board Approval (where required)

Any research involving human subjects is subject to Institutional Review Board (IRB) approval. This includes any form of survey research, ethnographic study, or similar study where human subjects are involved. This may include research based on data collected from Internet-based sources containing individually identifiable information. Any research falling under IRB jurisdiction must be approved before data collection can begin. This includes data collection for pilot studies preceding the dissertation. Proposed research may be found to be exempt from full Board review, requiring minimal risk review, or requiring full Board review.

Consult the IRB website for more information about review categories and procedures: <http://www.uwm.edu/Dept/EHSRM/IRB/index.html>.

8.4 Undertaking the Dissertation Research

A detailed proposal will provide the roadmap for completing the dissertation. Data or evidence collection is an open-ended process and may require a considerable investment of time. Students should estimate the time needed for data collection and analysis and plan their degree completion accordingly.

8.5 Organizing the Dissertation

Dissertation format requirements are published in Master's Thesis and Doctoral Dissertation Format Requirements.

(<http://www.graduateschool.uwm.edu/students/current/thesis-and-dissertation-formatting/>). The Graduate School holds a workshop on thesis/dissertation formatting and graduation requirements every semester. Students are strongly encouraged to attend this workshop once they begin to work on their dissertation.

8.6 Defending the Dissertation

The defense of the dissertation must be done onsite at UWM.

The following text is taken from the Graduate School website at: (<http://www.graduateschool.uwm.edu/students/current/doctoral/>)

8.6.1 Application

First, complete and submit Part I of the Application for the Doctoral Dissertation Defense and Graduation (through [PAWS](#)), no later than the end of the second week of the semester you expect to graduate. You must also pay a non-refundable \$40 graduation processing fee, which will be billed by the Bursar's office during the semester. If you do not graduate when anticipated, another application must be submitted; an additional fee is not required. The Graduate School then completes Part II of the application and sends it to your program unit for completion of Part III.

At the same time you submit Part I of the application, send a draft of the dissertation to your major professor, who is responsible for determining the readiness of your dissertation for defense and scheduling a tentative defense date.

In order to graduate in the semester you applied for, the dissertation defense must be held at least two weeks before the graduation ceremony date. The Spring and Fall semesters are the best for scheduling defenses; scheduling during the summer may be very difficult.

8.6.2 Committee Evaluation

Next, submit a draft of the dissertation to each of the five members of the doctoral examining committee, which is your doctoral committee. All committee members must read the dissertation in its entirety. The time allowed for members to read the dissertation is determined by the individual program units. A member cannot keep the dissertation for an inordinate amount of time because of the press of other duties. Service as a doctoral committee member is an integral part of a faculty member's teaching assignment, fully comparable to conducting classes.

After the committee members have read the dissertation, they advise your major professor on its readiness for defense. If substantial revisions are necessary, they must be completed before the defense date is confirmed. Your major professor contacts you to confirm this date.

8.6.3 Defense Readiness Confirmation

By mid-semester, the defense date should be set. Your major professor returns the application for defense and graduation to the Graduate School, confirming the date.

About a month before the defense, you must have dissertation format reviewed by the Doctoral Student Specialist for Graduate School requirements. Contact Pat Hayes [hayes@uwm.edu] or (414) 229-6263] to make an appointment.

At this meeting, you will be given the "Survey of Earned Doctorate" form, the "Microfilm Agreement" form and the "Refund of Disbursement" form. These forms must be completed and submitted with the final approved copy of your dissertation.

Readiness for defense does not indicate acceptance of the dissertation; it means the committee agrees that you have met the terms of your proposal and that the dissertation is defensible. The decision to hold a doctoral defense, moreover, is not solely that of the committee. If you insist on defending the dissertation before the committee believes it is ready, you may defend.

At least a week prior to the defense, the Graduate School sends a warrant to your department's graduate representative. This is the document the committee will sign on the day of the defense. If committee membership or the defense date changes, the Graduate School must be notified, and a new warrant will be issued.

8.6.4 Defense

The subject of the doctoral defense is the dissertation itself. The dissertation defense provides an opportunity for you to demonstrate your expertise after several years of preparatory coursework, research, and writing. You also will demonstrate your ability to explain ideas and methods embodied in the dissertation and to defend the implications and conclusions of your research.

The defense allows your committee members to verify your independent scholarly contributions. They may offer guidance regarding publication possibilities for the dissertation and encourage further research efforts in your area of academic specialization.

8.6.5 Voting

All committee members are responsible for reading and voting on the dissertation.

At the conclusion of the defense, the committee may vote either pass or fail, or it may decide to defer the decision. The warrant (indicating pass or fail) or the deferral form must be returned to the Graduate School within 10 working days of the defense or a deferral is automatically assigned.

Pass. To pass the defense, a simple majority of the committee must vote to pass—in this case three out of five. No absentee ballots are allowed.

Fail. If you fail the defense, you may re-defend once after a waiting period, to be determined by the committee and communicated to you in writing. The Graduate School requires that this second defense take place within one calendar year of the original defense. A new application and warrant are required for the second defense.

Defer. If the committee determines that you need more than 10 working days to complete revisions to the dissertation, a deferral form must be so marked and submitted to the Graduate School within 10 working days of the defense.

Your major professor must notify you and the Graduate School of the specific reasons for the deferral action and the completion date required by the committee (not to exceed 4 months from the original defense date). If satisfactory changes are not made within 4 months, the deferral turns into a fail. You then have 8 months from the deferral deadline to pass a second defense.

You cannot graduate in deferral status and must register for the next semester if the deferral is not changed to a Pass by the Graduate School dissertation submission deadline.

The entire committee is responsible for verifying that the dissertation revisions have been made to their satisfaction. At this point, the committee passes or fails the dissertation and the major professor returns the signed warrant to the Graduate School.

8.7 Submitting the Dissertation

The following text is taken from the Graduate School Thesis and Dissertation Formatting website at: (<http://www.graduateschool.uwm.edu/students/current/thesis-and-dissertation-formatting/>)

You must schedule appointments to have your thesis format reviewed by the Graduate School and to submit the final, approved copy. To schedule appointments and for other graduation issues contact Pat Hayes at (414) 229-6263 or e-mail hayes@uwm.edu

8.7.1 Doctoral Dissertation Submission

At the format review appointment you will receive other forms that must be completed and turned in with the final copy of the dissertation. These forms are the Survey of Earned Doctorates, the UMI [dissertation publishing] Doctoral Dissertation Agreement Form, and the Refund of Disbursement form.

8.7.2 Survey of Earned Doctorates

Responses from the Survey of Earned Doctorates (SED) become part of a database that began in 1920. Reports generated from the database display information in a manner that does not identify any individual. Although completion of the Survey is voluntary, it is highly encouraged. Information gathered by the SED is used for policy formation and research funding at national and state levels.

8.7.3 UMI Publication Agreement and Fees

All UWM doctoral students are required to publish their dissertation through UMI and pay the fee for this service. The booklet, *Publishing Your Dissertation*, explains the terms of publication and contains the Doctoral Dissertation Agreement Form. For an additional fee, UMI will register copyright for you with the Library of Congress. The publishing fee (required) and the copyright fee (optional) must be paid to the Cashier's Office before the final copy of the dissertation is submitted to the Graduate School.

8.7.4 Refund of Disbursement Form

The Refund of Disbursement form is used for internal accounting of the fees that will be paid to UMI. Three copies of this form are required. The Cashier's Office will attach a receipt for the fees to the form. One copy, with receipt attached, must be turned in with the dissertation; one is for your records; one is retained by the Cashier's Office.

8.7.5 Checklist for Dissertation Submission

Bring to the final appointment:

1. One copy of the approved, signed, correctly formatted dissertation. Your major professor signs in three places: the approval page, the abstract, and the curriculum vita.
2. If you would like a personal bound copy of your dissertation, provide one additional copy of the above. Any paper quality is acceptable for this copy.
3. One copy of the Refund of Disbursement form, with receipt attached.
4. The completed Survey of Earned Doctorates
5. The Doctoral Dissertation Agreement Form (remove from the booklet)

8.8 Public Presentation

Within two weeks of the successful defense, the doctoral student will give a public presentation of her/his research. The student must notify the PhD Program Director of the preferred time for the presentation.

9 Preparing for Graduation

9.1 Graduation Procedure

Approval of the dissertation by the Student's Doctoral Committee satisfies a final requirement for the PhD degree in Information Studies from the UWM-SOIS. The standard UWM PhD requirements for completion as detailed in the Doctoral Student and Advisor Manual will apply:

http://www.uwm.edu/Dept/Grad_Sch/Publications/DocManual/index.html#f.

Note that for the PhD in Information Studies all degree requirements must be completed within seven years from the date of initial enrollment in the doctoral program. Within SOIS there is one exit requirement, which is an exit interview.

9.2 Exit Interview

Upon completion of the Ph.D., graduates will be invited to participate in an exit interview to solicit confidential feedback on their experience in the program. A follow-up interview/survey will be conducted several years after graduation to gauge longer-term outcomes and attitudes toward the program.

**APPENDIX A - SOIS Faculty Members Eligible to Serve as Major Professors
and Committee Members**

Eligible Major Professors

Name	Areas
Mohammed Aman, Professor	<ul style="list-style-type: none"> • Education for Information Professionals • Educational Technology • Multiculturalism • Digital Government and E-Democracy
Johannes Britz, Professor	<ul style="list-style-type: none"> • Information ethics • Information development • Information marketing • Information and knowledge management • Management of information services
Elizabeth Buchanan, Associate Professor	<ul style="list-style-type: none"> • Information ethics • Information policy • Research methods • Research ethics • Distance education
Alexandra Dimitroff, Associate Professor	<ul style="list-style-type: none"> • Information seeking behaviors • Evaluation of digital libraries • Search outcome evaluation
Hope Olson, Professor	<ul style="list-style-type: none"> • Classification theory • Classification and culture • Organization of information • Feminist, poststructural, and postcolonial perspectives
Dietmar Wolfram, Professor	<ul style="list-style-type: none"> • Applied informetrics • Information retrieval (IR) systems design & evaluation • Modeling and simulation of IR systems • User studies of IR systems • Technology education for information professionals
Iris Xie, Associate Professor	<ul style="list-style-type: none"> • Interactive information retrieval • Information retrieval system design and evaluation • Digital libraries • Human-computer interaction • Information need and user behavior
Jin Zhang, Associate Professor	<ul style="list-style-type: none"> • Information retrieval algorithms • Visualization for information retrieval • Artificial intelligence • Human-machine interfaces • Digital libraries • Database systems • Internet search engine optimization & resource organization

SOIS faculty members who hold Graduate Faculty status are available to serve as dissertation committee members.

Eligible Dissertation Committee Members

Name	Areas
Jacques du Plessis, Assistant Professor	<ul style="list-style-type: none"> • Reusable knowledge objects • Objectives of education • Core components of education • Computer mediated instruction • Instructional games
Maria Haigh, Assistant Professor	<ul style="list-style-type: none"> • Evaluation and interpretation of information system quality (quantitative and qualitative) • Cultural differences in information system usage • Interactions between scientific users and information systems • Use of computer systems for scholarly collaboration.
Thomas Haigh, Assistant Professor	<ul style="list-style-type: none"> • Role of technology in broader social change, especially the concept of a "revolutionary" technology and its curious longevity • Relationships between the institutional aspects of work, technology, and the subjective identities of different groups of worker (including managers, professionals and technicians) • The exercise of power in organizations, and its relationship to expertise • The concept of information and its ideological dimensions • The particular characteristics of computer technology; the senses in which it is, and in which it is not, different from earlier technologies
Laretta Henderson, Assistant Professor	<ul style="list-style-type: none"> • Children's literature • Young adult literature • Multicultural children's & young adult literature • Family & community literacy
Wooseob Jeong, Associate Professor	<ul style="list-style-type: none"> • Human computer interaction, • Multimodal interfaces, especially haptic and auditory displays • Multilingual/multiscript information/library systems • Information retrieval/image retrieval • Digital libraries • Information seeking habits of ethnic groups such as immigrants and foreign students • Education in library and information science • Definition of library and information science
Joyce Latham, Assistant Professor	<ul style="list-style-type: none"> • Politics of public libraries • Public library history • Public library governance and administration with an emphasis on free speech / free expression
Hur-Li Lee, Associate Professor	<ul style="list-style-type: none"> • Information organization, • Collection development, • Scholarly communication,

	<ul style="list-style-type: none"> • Social and cultural aspects of information and information services
Tomas Lipinski, Professor	<ul style="list-style-type: none"> • Information law and policy • Information ethics • Legal problems affecting libraries • Management and communication of legal and government information • Jurimetrics and legal informetrics • Telecommunications policy, economics of information
Xiangming Mu, Assistant Professor	<ul style="list-style-type: none"> • Human-computer interaction • Digital library • Interface design • Metadata • Distance learning • Multimedia • Video streaming • Internet architecture and design
Terrance Newell, Assistant Professor	<ul style="list-style-type: none"> • Instructional systems technology (IST) in school library media contexts • Immersive technologies (e.g., virtual reality) and K-12 information literacy instruction • Epistemic games • Situated information literacies
Thomas Walker, Associate Professor	<ul style="list-style-type: none"> • Information science • Research methods • Business information; • Special libraries • Indexing and abstracting • The organization and retrieval of web-based information • Information resources and services • Music bibliography
Michael Zimmer, Assistant Professor	<ul style="list-style-type: none"> • Ethics and information technology • Information policy • Web search engines • Web 2.0 and library 2.0 • Privacy and surveillance theory • Information and web literacy

APPENDIX B

Graduate Research Methods & Analysis Classes Available On Campus

Note: This list is not exhaustive and may not include all eligible courses or changes to courses in other units. Students are encouraged to explore departmental listings for additional offerings.

BUSINESS SCHOOL

702 Business Statistics. 2 cr. G.

Statistical concepts essential in business. Descriptive statistics, basic probability, common sampling distributions, statistical inference; application to business problems emphasized. Counts as repeat of BusMgmt 701. Prereq: grad st.

714 Multivariate Techniques in Management Research. 3 cr. G.

Multivariate analysis of variance, principal component analysis, factor analysis, conjoint analysis, bootstrap resampling, cluster analysis, canonical correlation, data mining (classification trees and neural networks); computer implementation. Prereq: grad st; BusMgmt 709(P) or Bus Adm 754(P).

754 Statistical Analysis. 3 cr. G.

Business applications of probability theory and statistical methods to managerial problems of prediction, inference and decision making under uncertainty. Prereq: grad st; Bus Adm 701(P) & 702(P).

914 Advanced Multivariate Techniques in Management Research. 2 cr. G.

Analysis of research problems in various management disciplines using advanced multivariate methods such as discriminant analysis, clustering, multidimensional scaling, logit and probit models. Prereq: grad st; Bus Adm 714; Bus Adm 754 or 912.

EDUCATION

Educational Psychology

Course rotations can be found at:

http://www4.uwm.edu/soe/departments/ed_psychology/research_methodology/phd_course_rotation.cfm

624 Educational Statistical Methods I. 3 cr. U/G.

Overview of common statistical techniques used in educational research, including univariate and bivariate descriptive statistics, chi square and linear regression. Prereq: jr st. (Not eligible for credit toward the PhD, but serves as a prerequisite for Ed. Psych. courses that are eligible.)

626 Workshop in the Computerized Analysis of Educational Data. 1 cr. U/G.

Workshop in designing, implementing and interpreting the computer analysis of survey, research or test-program type data using a popular comprehensive statistical analysis package. Prereq: jr st & prior or conc reg in applied statistics course. Additional work required for grad cr. (Not eligible for credit toward the PhD, but serves as a prerequisite for Ed. Psych. courses that are eligible.)

720 Techniques of Educational and Psychological Measurement. 3 cr. G.
Principles of measurement with major emphasis upon standardized instruments for measuring intelligence, achievement, aptitude, attitude, interest and personality. Prereq: Ed Psy 624(P) & grad st.

724 Educational Statistical Methods II. 3 cr. G.
Univariate analysis of variance, including one-way and n-way designs, repeated measures, and multiple comparisons. Prereq: grad st; Ed Psy 624(P), 626(C).

820 Multiple Regression and Other General Linear Models. 3 cr. G.
General linear model with applications in the social sciences, including methods such as multiple regression analysis and the analysis of covariance. Prereq: grad st; Ed Psy 724(P) or cons instr.

823 Structural Equation Modeling. 3 cr. G.
Study of applied structural equation modeling including path analysis, confirmatory factor analysis and other latent variable models; exposure to computer programs used for model analysis. Prereq: Ed Psy 825 or equiv; cons instr.

824 Advanced Experimental Design and Analysis. 3 cr. G.
Advanced topics in the design and statistical analysis of experiments particularly as applied to educational settings. Lec; lab. Prereq: grad st; Ed Psy 724(P) or 626(P) or equiv computer proficiency.

825 Multivariate Methods. 3 cr. G.
Multivariate analysis methods such as multivariate analysis of variance, discriminant analysis, factor analysis and principal components analysis are considered in relation to each other; applications in the social sciences. Prereq: grad st; Ed Psy 724(P) or cons instr; Ed Psy 820(R).

826 Analysis of Cross-Classified Categorical Data. 3 cr. G.
Use of methods that include chi-square, log linear, and log multiplicative association models to analyze cross-classified categorical data; with application to the social sciences. Prereq: grad st; Ed Psy 724(P).

827 Survey Research Methods in Education. 3 cr. G.
Design and analysis of simple random, stratified, systematic, cluster, two-stage, and multi-stage survey sampling designs; randomized response; control of nonresponse; questionnaire design. Prereq: grad st; Ed Psy 724(P).

829 Instrument Development. 3 cr. G.

Students will develop an instrument to measure some psychological construct of research interest. Topics include construct development, test and item specifications, item writing, conducting reliability and validity studies. Prereq: grad st; Ed Psy 724(P).

929 Seminar in Statistics and Research Design. 3 cr. G.

Specific topic and any prerequisites announced in schedule of classes each time course is offered. May be repeated with change in topic to max of 9 cr. Prereq: grad st; cons instr.

Curriculum & Instruction

729 Qualitative Research and Field Studies in Educational Settings. 3 cr. G.

Examination of qualitative techniques as applied to educational research and evaluation in schools, classrooms, and other educational settings. Not open to students who have cr in Ad Ldsp 729 which is identical to CurrIns 729. Prereq: grad st; Ed Psy 528(P) or equiv.

829 Advanced Qualitative Research Techniques for Education Settings. 3 cr. G.

Advanced examination of qualitative research techniques in three areas: conceptual design; data collection methods; and data analysis and reporting. Not open to students who have cr in Ad Ldsp 829, which is identical to CurrIns 829. Prereq: Ad Ldsp 729 (CurrIns 729) or cons instr.

LETTERS & SCIENCE

Communication

700 Quantitative Research in Communication. 3 cr. G.

Introduction to the methods and techniques of quantitative research in communication, with special focus on problems of experimental and field research. Prereq: grad st.

701 Critical Analysis of Communication. 3 cr. G.

Introduction to the methods and techniques of humanistic research in communication, with special focus on problems of criticism and history. Prereq: grad st.

702 Qualitative Research in Communication. 3 cr. G.

Methods and techniques of qualitative research in communication; special focus on problems of discourse analysis and interaction observation. Prereq: grad st.

972 Advanced Methods in Communication Research: 3 cr. G.

Multivariate statistical methods. Advanced and emerging new methodologies for communication research. Retakable w/chg in topic to 6 cr. Prereq: grad st; Commun 700(P), 701(P), 702(P), 770(P); or cons instr

English

707 (701) Seminar in Methods of Literary Analysis: (Subtitled). 3 cr. G.

Two or more theoretical and methodological approaches to literature, with application to selected literary texts. Specific topics and any additional prerequisites announced in Timetable each time course is offered. CompLit 707 & MAFL 707(701) are jointly offered; they count as repeats of one another. Retakable w/chg in topic to 9 cr max. Prereq: grad st & cons MAFL coord comm chair.

713 Qualitative Research in Writing and Literacy. 3 cr. G.
Seminar on the issues and practice of qualitative research as it applies to areas of inquiry related to writing and literacy. Prereq: grad st.

756 Research and Methodology in Rhetoric and Composition. 3 cr. G.
Research methods, theoretical issues, and scholarly resources for rhetoric and composition. Extensive reading and research assignments geared to students' professional needs and goals as scholars. Prereq: grad st; English 753(P), 755(P) or cons instr.

760 Research Methods in Linguistics and ESL. 3 cr. G.
Introduction to basic research methodology in linguistics and ESL. Prereq: grad st; cons instr.

Geography

727 Qualitative Research. 3 cr. G.
Qualitative research as applied in geography, including the relationship between quantitative and qualitative approaches, issues of interpretation, and ethics of field work. Prereq: grad st.

History

712 Historiography and Theory of History. 3 cr. G.
Seminar on history of historical writing and thought, including such theoretical problems as objectivity, generalization, the nature of historical explanation, and the value of history. Prereq: grad st.

713 Historical Research Methods. 3 cr. G.
Seminar addressing evaluation of evidence, quantitative methods, and application of social science methodology to historical research. Prereq: grad st.

Mass Communication

701 Mass Communication Theory and Research Design: 3 cr. G.
Principles for generating research questions and hypotheses; fundamentals of research design, including reliability, validity, generalizability, and interpretation. Prereq: admis to MA prog in Mass Comm or cons instr.

Political Science

701 (817) Techniques of Political Science Research. 3 cr. G.
Introduction to basic techniques of collecting, coding, processing, analyzing, and presenting political data. Prereq: grad st; one undergrad stats course or cons instr.

702 Advanced Techniques of Political Science Research. 3 cr. G.
Advanced course in quantitative analysis stressing the application of econometric techniques to the study of politics. Prereq: grad st; Pol Sci 701(P).

Sociology

752 Fundamentals of Survey Methodology. 3 cr. G.
Seminar in the principles of survey design that are the basis of standard practices in the field of sociology. Prereq: grad st.

754 Questionnaire Design. 3 cr. G.
Seminar in the design, evaluation, pretesting, ordering, and formatting of questions and questionnaires. Prereq: grad st.

760 Advanced Statistical Methods in Sociology. 3 cr. G.
Review of elementary statistics. Probability theory and its applications. Multivariate analysis. Nonparametric statistical inference. Measurement theory. Selected statistical models for hypothesis testing and theory construction. Prereq: grad st; score of 85 on dept diagnostic examination.

951 Seminar in Research Methodology. 3 cr. G.
Discussion of selected topics in research design, research methods, statistical analysis, and model construction. Retakable to 9 cr max with cons adviser. Prereq: grad st.

979 Methods of Research and Analysis for Urban Social Institutions I. 3 cr. G.
Seminar on logic, design, and presentation of social science research. Inductive and qualitative methods, theory construction, and ethics and procedures of research in natural settings. Sociol 979 & Urb Std 979 are jointly-offered; they count as repeats of one another. Prereq: grad st.

982 Methods of Research and Analysis for Urban Social Institutions II. 3 cr. G.
Evaluation of different methods of generating data and their applications to the analysis of public policies and programs. Sociol 982 & Urb Std 982 are jointly offered; they count as repeats of one another. Prereq: grad st; min. score of 85 on dept diagnostic exam.

Urban Studies

731 Quantitative Analysis for Public Administration and Urban Research. 3 cr. G.
Application of various quantitative methods to problems in public administration and urban research, including analysis of spatial distributions, quantitative modeling, bivariate and multivariate analyses. Prereq: grad st.

NURSING

755 Grounded Theory and Concept Analysis--Two Qualitative Approaches in Depth. 3 cr. G.

In-depth exploration of two diverse qualitative research approaches, including the philosophical foundations and experience in application of the methods to nursing problems. Prereq: grad st; Nurs 725(P).

881 Measurement for Nursing Research. 2 cr. G.

Study of theories of measurement and scaling, properties of research instruments, design and testing of instruments for nursing research. Prereq: admis to doctoral prog in nursing or cons instr.

882 Qualitative Approaches to Nursing Research. 3 cr. G.

Diverse qualitative design and analysis strategies used in the study of nursing phenomena. Emphasis will be to critique existing research and to plan future research. Prereq: admis to doctoral prog in nursing or cons instr.

883 Quantitative Approaches to Nursing Research. 3 cr. G.

Major quantitative designs and data management/analysis strategies used in clinical nursing research. Emphasis will be to critique existing research and to plan future research. Prereq: admis to doctoral prog in Nursing or cons instr.

884 Computer Applications for Qualitative Analysis. 1 cr. G.

Types, uses, and implications of computer applications for qualitative data analysis; includes in-depth experience with a selected program. Prereq: Nurs 882 (P), or Ad Ldsp 729 (P), or Urb Std 979 (P), or Educ 881 (P); or cons instr.

885 Advanced Quantitative Methods in Nursing. 3 cr. G.

In depth study of quantitative research methods with an emphasis on decision making for intervention studies and research with large data sets, advanced analytic strategies, communicating and interpreting results. Prereq: grad st; Nurs 883(P), Nurs 881(P), Multivariate Statistics(P) or cons instr.

886 Advanced Qualitative Methods in Nursing. 3 cr. G.

Enable student to acquire the advanced knowledge and skills needed to design and implement studies best suited to qualitative modes of investigation. Prereq: grad st; Nurs 882(P) or cons instr.

SOCIAL WELFARE

951 Quantitative Research Methods. 3 cr. G.

An in-depth, hands-on review of experimental, quasi-experimental, and non-experimental approaches to the design and implementation of quantitative research studies. Prereq: grad st; admis to the Social Work Ph.D. Program or written cons instr

952 Qualitative Research Methods in Social Work. 3 cr. G.

Seminar on the philosophical and methodological issues of qualitative research. Students will conduct exploratory original field research and produce a research proposal based on their findings. Prereq: grad st; admis to the Soc Wrk Ph.D. prog or writ cons instr.

961 Introduction to Statistical Methods. 4 cr. G.

Reviews basic parametric and nonparametric tests, including descriptive statistics, correlation, basic inferential statistics, one- and two-way ANOVA, OLS regression, nonparametric statistics, and handling missing data. Prereq: grad st; admis to the Social Work Ph.D. program or written cons instr

962 Applied Multiple Regression Analysis. 3 cr. G.

Multiple regression analysis concentrating on OLS regression techniques but also covering logistic and Poisson regression. Prereq: grad st; admis to the Social Work Ph.D. program or written cons instr.

963 Measurement Methods and Related Multivariate Statistics. 3 cr. G.

Survey of concepts and applications of Classical True Score and Item Response Theory and multivariate statistical methods relevant to test evaluation and construction. Prereq: grad st; SocWrk 961(P) & 962(P); admis to the Soc Wrk Ph.D. program or written cons instr.



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