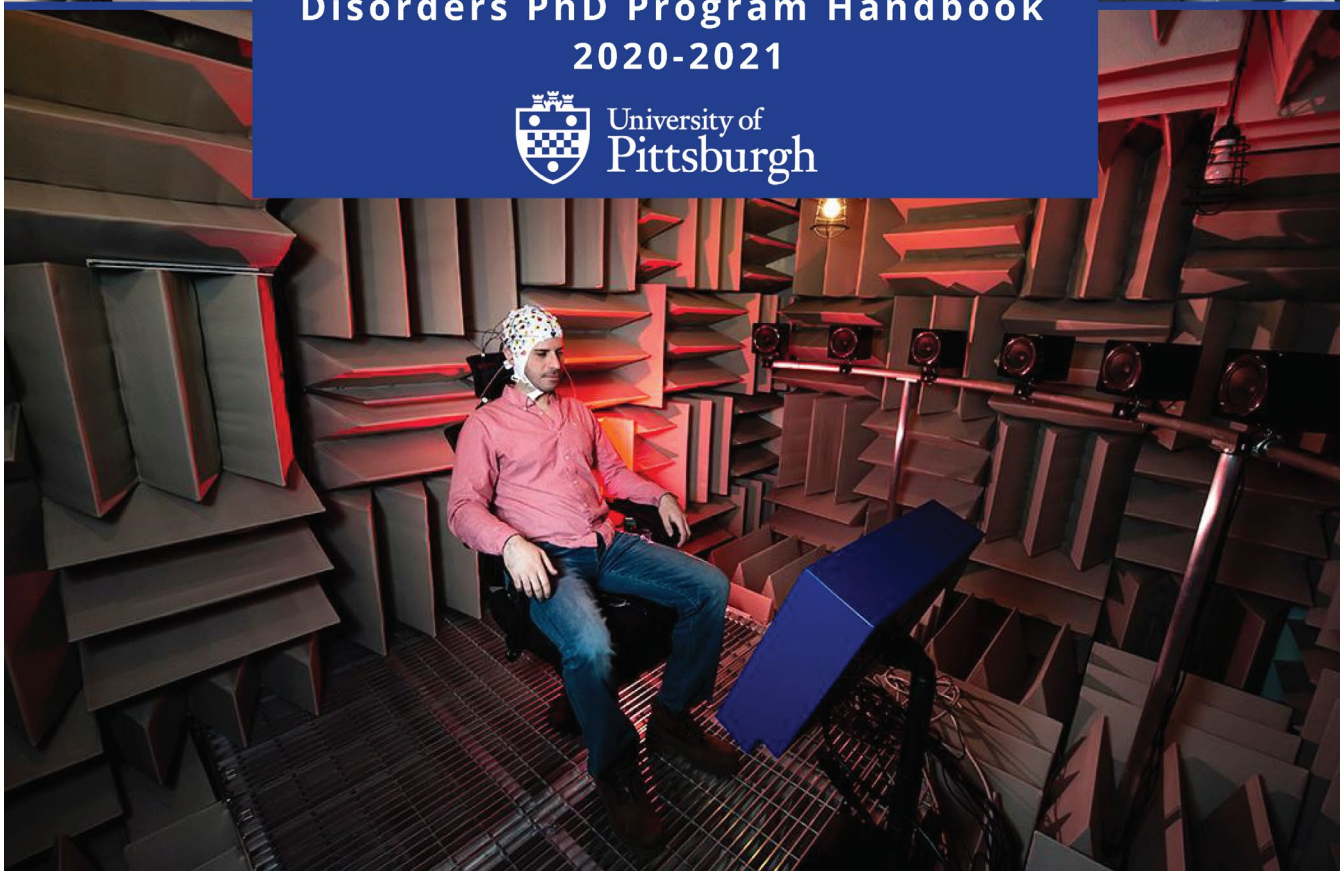




**School of Health and
Rehabilitation Sciences**
Communication Science &
Disorders PhD Program Handbook
2020-2021



CSD PhD Handbook – October 2020
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ABOUT THIS HANDBOOK

This handbook is intended to serve as a guide to the mission, training goals, and structure of the CSD PhD program, and the policies and procedures that should guide students as they work toward accomplishing their PhD training goals. It also describes some resources available to support CSD PhD students as they work toward their training goals. It supplements material available from the University of Pittsburgh Provost's office (www.pitt.edu/~graduate) that provides Regulations Governing Graduate Study, along with the University's Graduate and Professional Bulletin and information about a wide array of Student Services. **It is a work in progress, slated for overhaul during the 2020-2021 academic year, including moving to a continuously-updated online version to be maintained by the CSD Office of Academic Affairs.** If you have suggestions, updates, or corrections for this handbook, or a question regarding the policies and regulations described here, please contact the director of CSD PhD programs (Dr. Michael Walsh Dickey).

MISSION OF THE CSD PhD PROGRAM

The mission of the CSD PhD program is to prepare the next generation of researchers driving the generation, dissemination and application of knowledge in the science and practice of audiology and speech-language pathology.

GOALS OF THE CSD PhD PROGRAM

The Department of Communication Science and Disorders (CSD) aims to provide a comprehensive program of primary research, training, and clinical education that will advance the understanding of normal processes in human communication, aerodigestive function, swallowing, balance, and related domains, pathophysiology of diseases leading to disorders in these domains, as well as assessment, treatment, and management of disorders impacting these processes across the life span. The Ph.D. program in Communication Science and Disorders is an individualized, mentored, interdisciplinary research degree intended to develop leaders in research, teaching, and service. The primary aim of the Ph.D. program is to prepare students for responsible and productive careers as teacher-scholars, by equipping them with necessary knowledge and skills in primary disciplines of audiology and speech-language pathology. In fulfilling this mission, faculty in the department as well as researchers in the University and allied programs in the greater Pittsburgh community contribute to the training of Ph.D. students and the development of scholars specializing in human communication and aerodigestive science and disorders.

The Ph.D. training goals described above are to be achieved by attaining the core CSD Ph.D. competencies described in Table 1 below.

Table 1: CSD Ph.D. Core competencies

1. Comprehensive depth and breadth of knowledge in program specialization within Communication Science and Disorders (CSD)
a. <u>Specialized training</u> : Acquire core knowledge of critical concepts, methodologies, and theoretical frameworks in a chosen specialized area within CSD.
b. <u>Interdisciplinary breadth</u> : Develop understanding of an interdisciplinary perspective, and ability to assess how related fields merge and intersect with selected specialized area.
c. <u>Theoretical grounding</u> : Develop critical thinking and analytical skills needed for practicing scientists in chosen specialized area within CSD
2. Develop ability to conduct and communicate scholarly research
a. <u>Analytical methods</u> : Demonstrate an understanding and application of statistical theory and experimental design required for conducting novel research in CSD
b. <u>Research conduct</u> : Develop the ability to conduct independent research projects within selected specialized area within CSD
c. <u>Scientific communication</u> : Develop the ability to communicate critical scientific information effectively in oral and written modalities
3. Professional preparation in CSD
a. <u>Teaching and mentoring preparation</u> : Acquire teaching and mentoring experience
b. <u>Grantsmanship</u> : Develop the ability to procure funding for research and other scholarly pursuits
c. <u>Ethical conduct</u> : Develop an understanding of research ethics and incorporate ethical standards in own research
d. <u>Professional practice</u> : Develop the ability to evaluate disciplinary research and contribute to the scientific review process
4. Professional and career development
a. <u>Professionalism and service</u> : Acquire service experience inside and outside CSD (academic, professional, community)
b. <u>Management and leadership</u> : Develop management and leadership skills needed for academic success
c. <u>Career development</u> : Develop and refine tools needed for post-PhD placement and long-term success

These core competencies are achieved through a variety of formal and informal activities, including didactic classwork inside and outside CSD, workshops and other training experiences, laboratory experiences, and both formal and informal mentoring. These activities are further described in the CSD PhD curriculum map, below.

STRUCTURE OF THE CSD PhD PROGRAM: CSD and the broader training environment

CSD at the University of Pittsburgh is embedded in a rich research and clinical context. This context enables students to craft their own individualized training plan, enabling attainment of the training goals and core competencies above.

CSD is housed in the School of Health and Rehabilitation Sciences (SHRS). Other departments in SHRS include: Health Information Management, Occupational Therapy, Physical Therapy, Rehabilitation Science and Technology, and Sports Medicine and Nutrition. SHRS also has programs in Disability Studies, Emergency Medicine, and Rehabilitation Counseling. CSD shares with other departments in SHRS the goals of advancing the basic science of critical human capacities (like communication), understanding the nature of and improving treatment for disorders affecting those capacities, and promoting successful living by people with related disabilities.

There are 2 PhD programs in SHRS: the CSD PhD program, and the PhD in Rehabilitation Science (RS). Students in the CSD and RS PhD programs interact informally, in the context of shared courses (such as the statistics sequence taught by Dr. Lauren Terhorst), research labs, and presentations and seminars. The CSD PhD program is one of the largest in the country. There are also several professional doctorate programs in SHRS, including the Doctor of Audiology (AuD), Doctor of Clinical Science (CScD) in Speech-Language Pathology, and the Doctor of Physical Therapy (DPT). CSD PhD students may also interact informally with students with other professional programs in CSD and SHRS, in the context of classes, labs, and seminars.

Pitt CSD is also embedded in and enriched by a strong network of clinical and research partner programs across the University of Pittsburgh and the broader Pittsburgh community. These include departments within Pitt and the University of Pittsburgh Medical Center (such as Neuroscience, Otolaryngology, Engineering, Education, and Psychology), allied institutions in Pittsburgh (such as Carnegie Mellon University, Duquesne University, the Center for the Neural Basis of Cognition, and the Learning Research and Development Center), and clinical partner institutions (including the University of Pittsburgh Medical Center and VA Pittsburgh Healthcare System). CSD PhD students may take advantage of coursework, research, and clinical experiences across these programs as they build a personalized program of study, designed to help them to attain their training goals.

STRUCTURE OF THE CSD PhD PROGRAM: CSD PhD curriculum map

The CSD PhD program helps students to attain their training goals by providing them with a structured set of formal and informal training experiences across classroom, laboratory, and other settings, leading to achievement of key program milestones. The CSD PhD curriculum map in Table 2 below lays out these training experiences and milestones, and shows how they map onto achievement of the CSD PhD core competencies described above (Table 1).

Table 2: CSD PhD curriculum map

1. Comprehensive depth and breadth of knowledge in CSD	Coursework	Milestones	Informal activities
<u>Specialized training:</u>	CSD PhD seminars (in specialty: CSD3479, CSD3049) Research practicum (CSD 3971)	Pre-dissertation project	Experiences inside home lab
<u>Interdisciplinary breadth:</u>	CSD PhD seminars (out of specialty: CSD3479, CSD3049) Courses outside CSD; PhD pro-seminar (CSD 3060)	None	Lab experiences outside home lab
<u>Theoretical grounding:</u>	Intro to PhD Studies (CSD3048) PhD comps (CSD2972)	PhD comps, Prospectus	Lab experiences
2. Conducting and communicating scholarly research			
<u>Analytical methods:</u>	12 credits: basic methods (HRS 2927-2928); research design (PSYED 2030, BCHS 2520); advanced methods	Pre-dissertation project, Prospectus	Lab experiences
<u>Research conduct:</u>	Research practicum (CSD 3971) Dissertation credits (CSD3000)	Pre-dissertation project Dissertation	Lab experiences; RCR Workshops https://ctsi.pitt.edu/education-training/responsible-conduct-of-research-training/
<u>Scientific communication:</u>	Intro to PhD Studies (CSD3048) PhD pro-seminar (CSD 3060)	Prospectus defense Dissertation defense Article submission requirement	CSD 3048 presentations (1 st year), pre-dissertation think alouds (2 nd year) in RRT; Lab meetings

Table 2: CSD PhD curriculum map (continued)

3. Professional preparation in CSD			
<u>Teaching and mentoring preparation:</u>	Teaching practicum (CSD 2970), TA position, FACDEV 2200, CRTL certificate (Associate level)	None	
<u>Grantsmanship:</u>	Grantwriting course (not required)	Grant application requirement (SHRS)	Assisting mentor with grant applications; submitting own applications (F31; SHRS diss grant)
<u>Ethical conduct:</u>	Not required		Ethics training requirements for F31
<u>Professional (research) practice:</u>	Intro to PhD Studies (CSD3048) PhD pro-seminar (CSD 3060)	None	
4. Professional and career development			
<u>Professionalism and service</u>	Professionalism Series offered by the Center for Doctoral and Postdoctoral Career Development https://www.dpcd.pitt.edu/doctoral-and-postdoctoral-professionalism-series ; CSD 3060 (2 nd year PhD student organizers)		Service on CSD, University, or external organizations; co-review of journal articles with mentor; collaborations internal/external to home lab; 412 CEUs (3 rd year PhD student organizers)
<u>Management and leadership</u>	RCR Workshops https://ctsi.pitt.edu/education-training/responsible-conduct-of-research-training/ (optional)	Management of pre-dissertation project, dissertation project	Achieved through labwork (e.g., training/managing UG or junior graduate-student lab members)
<u>Career development</u>	Center for Doctoral and Postdoctoral Career development (e.g., negotiating a job offer; interviewing skills) https://www.dpcd.pitt.edu/calendar-of-events (optional) PhD pro-seminar (CSD 3060)		Achieved through labwork (e.g., reviewing job descriptions; drafting, giving/receiving feedback on application materials, interviews, job talks)

The coursework requirements and milestones described in the CSD PhD curriculum map are further described below in the relevant Policies of the CSD PhD Program subsections.

POLICIES OF THE CSD PhD PROGRAM: SHRS PROGRAM REQUIREMENTS

This section lists requirements for all SHRS PhD students (both CSD and RS). They are listed in the chronological order in which they must be completed (earlier to later in the program).

Program Entry Requirements

When you begin the CSD PhD program, you will need to (1) complete a module on plagiarism, and (2) read and acknowledge your agreement to abide by the relevant student handbooks.

Plagiarism module: Successful completion yields a certificate; please print it and submit a copy to the CSD Academic Affairs Administrator for your file. The module is at the following URL:

<http://www.umuc.edu/writingcenter/plagiarism/index.cfm>.

Handbook acknowledgment: Incoming students need to sign and submit a form indicating that they have read and understood, and agree to abide by, the policies in (a) the SHRS Graduate Student Handbook (which you can find at <http://www.shrs.pitt.edu/current-students/student-handbooks>) and (b) this handbook (CSD PhD handbook). Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will generate a DocuSign version of the Handbook Acknowledgment form for you to complete. This form must be completed and submitted by either October 1 (if you begin the PhD program in the Fall term) or February 1 (if you begin the PhD program in the Spring term) of the year you enroll in the CSD PhD program.

SHRS Manuscript and Grant Submission Requirements

(NOTE: These requirements apply to all SHRS PhD students, CSD and RS)

Manuscript submission requirement

Prior to scheduling the dissertation defense, each PhD student will demonstrate a minimum amount of experience in manuscript writing and submission by completing:

- 1 co-authored manuscript accepted for publication, and
- 1 first authored manuscript submitted and reviewed by a peer-reviewed journal.

Data-based manuscripts are strongly preferred.

Grant submission requirement

Prior to scheduling the dissertation defense, each PhD student will demonstrate a minimum experience with grant writing and submission by completing one of the following:

- Submission and peer-review of a Doctoral Research or Research Fellowship Grant applications (these can be from NIH, Private Foundations, or the SHRS Dissertation Grant Award)
- Submission and peer-review of Pilot study grant applications (e.g., foundations, professional societies, the UPMC Rehab Institute Pilot Award)
- Completion of a grant writing course
- Submission and peer-review of a patent application
- Submission and peer-review of an SBIR like applications, or other options to secure funding for technology development (pitching an idea for commercial development, etc.)

POLICIES OF THE CSD PhD PROGRAM: CSD PhD PROGRAM REQUIREMENTS

This section lists requirements for all CSD PhD students. These are specific to the CSD PhD program and are in addition to the SHRS PhD student requirements listed above. These requirements are again listed in roughly the chronological order in which they must be completed (earlier to later in the program).

Academic Advisor, Plan of Study, and Plan of Study Committee

Academic advisor

Upon admission to the CSD PhD program, you will be assigned an academic advisor, who is typically your primary research mentor. Any change of advisor must be agreed on by the student and the advisor, in discussion with the CSD PhD Program Director, and must be reported to the Dean's office using the Change of Academic Advisor form on the SHRS Current Student: Forms site (at <https://www.shrs.pitt.edu/current-students/forms>). Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will generate a DocuSign version of the Change of Academic Advisor form for you to complete.

Plan of Study

Within the first month of your first term of enrollment in the program, you will work together with your advisor to identify a set of courses and other training experiences in your specific area of study. These may include courses that have been recommended by other students with similar interests, and they may be inside CSD or may involve the partner research and clinical departments and institutions described above. You can peruse the offerings of other departments online, and you can find each term's course offerings in the University's schedule of classes (at <http://www.registrar.pitt.edu/courseclass.html>).

Within your first term of enrollment in the PhD program, you will begin to draft your plan of study in close consultation with your advisor. This plan typically includes two components: (1) brief statements of (a) your longer-term professional goals after obtaining the PhD degree and (b) your relevant previous training, experience, independent and directed studies, laboratory experiences, and/or research projects; and (2) a list of the courses that you plan to take each term and an approximate timetable for completion of coursework and all other program milestones. Your advisor will help you to select courses and other experiences (including teaching and research practica) will help you achieve your PhD-program and longer-term goals. Please also take advantage of previous Plans of Study shared by other PhD students in the CSD PhD Shared Resources folders, created and maintained by the PhD student body. It is important to note that this plan is not at all "set in stone" and often changes during a student's course of studies.

Your plan of study will include a Plan of Study course-listing form, in which you will list the courses you intend to take during your PhD program. The SHRS Registrar requires you to submit the course-listing portion of your plan of study on the approved CSD-specific PhD Plan of Study form. Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will share a DocuSign version of the CSD PhD Plan of Study form with you for you to complete and for you and your advisor to sign.

Plan of Study committee

By the first month of your second term of enrollment in the program, you must *form your Plan of Study committee*. In consultation with your advisor, you will select a minimum of 2 additional full-time CSD faculty members to serve on this committee. The purpose of this committee is to provide advice, support, and guidance as you progress through the program, to approve your plan of study, and to monitor your progress in the program. The committee must include at least three full-time faculty members. (*Note: the plan of study committee may but need not be your comprehensive examination or dissertation committee.*)

Before the end of your second term of enrollment in the program, you must *schedule your initial Plan of Study meeting*. At this meeting, you will present your initial plan of study to your Plan of Study committee. Your Plan of Study will be discussed, potentially amended, and approved by the committee during this meeting. Following your initial Plan of Study meeting, your initial Plan of Study coursework form must be submitted to the CSD Academic Affairs administrator. Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will share a DocuSign version of the CSD PhD Plan of Study form for you to complete and for you and your advisor to sign.

Annual Progress Report and Annual Progress Meetings

Annual progress report

Starting in your second year in the program, you will be required to *submit an annual progress report*. You must submit this report by October 1 of each academic year. will submit this progress report by completing the CSD PhD Student Annual Report Qualtrics Survey, available here: https://pitt.col.qualtrics.com/jfe/form/SV_0P1kozdmN790Y4t. A copy of this form will be submitted to your advisor, the CSD Academic Affairs administrator, and the CSD PhD Program director. The Academic Affairs Administrator, Sharon Joyner, will generate a DocuSign version of this form for you and your advisor to sign. Annual progress reports must be submitted once annually, from the end of your first year of the PhD program until you graduate.

Annual progress meeting

By October 15 of each academic year, you will be required to *convene your annual progress meeting*. In your annual progress meeting, you and your Plan of Study committee or your dissertation committee (once you have advanced to candidacy) will review your progress for the year – particularly progress toward program milestones like completing coursework or your pre-dissertation project – highlight your achievements research, teaching, service, and professional development, discuss any changes to your plan of study, and your plans for the upcoming year. Following the annual review meeting, you and your advisor must *update your Plan of Study course listing document* with any changes to your plan of study. Please contact the CSD Academic Affairs Administrator, Sharon Joyner (slj49@pitt.edu), who will generate a DocuSign version of the Plan of Study for you to update and for you and your advisor to sign.

Teaching experience requirement

One of the key competencies of the CSD PhD program is *acquiring teaching experience* (Competency 3a: Professional Preparation in CSD - Teaching Preparation). In order to support achievement of this competency, students must complete a teaching experience during their PhD program. This requirement can be satisfied in one of three ways, with the choice of teaching experience to be made with guidance from the student's mentor:

1. Serving as a Teaching Assistant for a laboratory course section offered through CSD. These are CSD 1027 (Anatomy and Physiology of Speech Lab, accompanying CSD 1023, A&P of Speech), CSD 1029 (Anatomy and Physiology of Hearing Lab, accompanying CSD 1024, A&P of Hearing), CSD 1028 (Hearing Science Lab, accompanying CSD 1025, Hearing Science), CSD 1030 (Speech Science Lab, accompanying CSD 1026, Speech Science), or CSD 1234 (Evaluation and Treatment Writing Practicum, accompanying CSD 1231, Evaluation and Treatment of Communication Disorders). Selection of students for this limited set of positions is competitive and is made by the course instructors, in coordination with the Director of Financial Aid.
2. Registration for FACDEV 2200, Practicum on University Teaching, or CSD 2970, Teaching Practicum. These variable-credit courses (1-3 credits) provide structured opportunities for students to develop teaching skills under the guidance of an experienced instructor. See example CSD 2970 learning contracts and FACDEV 2200 syllabi in the [Teaching Training Resources](#) folder. These teaching-training opportunities are intended to be completed in conjunction with an existing CSD course. If pursuing a registration for CSD 2970 or FACDEV 2200, students must consult with the Vice-Chair for Academic Affairs regarding their planned choice of existing CSD course and instructor.
3. Complete the Associate Level of CIRTL Certification through Pitt's Center for Integrating Research Teaching and Learning. CIRTL is an NSF-sponsored program hosted by the Department of Engineering focused on STEM teacher training. See description of requirements and instructions for registration [here](#).

This teaching requirement is effective for PhD students entering during the 2020-2021 academic year and thereafter.

Coursework Requirements

The CSD PhD program is intended to provide students and their mentors with significant flexibility in designing a course of study. The specific coursework requirements are listed below. All these coursework requirements must be completed before admission to candidacy (i.e., beginning work on the dissertation).

PhD-level courses are numbered in the 3000 series, but courses numbered in the 2000 series also may be appropriate for doctoral study. Specific requirements include:

PhD Content Seminars

Each student enrolled in the PhD program in Communication Science & Disorders must take at least **3 PhD-level content seminars** within the department (course numbers in the 3000s). Two of the seminars must be in your general area of concentration (i.e., speech-language-voice-swallowing pathology/science OR audiology/hearing science). One seminar must be in the other general area of concentration. Students should enroll in the PhD seminars early in their academic coursework. If you would like to suggest a seminar on a particular topic, please (1) find out how many of your fellow students would take such a seminar, and (2) inform the CSD PhD program director (Professor Dickey) of the topic and the number of interested students.

Note that due to faculty teaching commitments in other parts of the CSD curriculum, we cannot promise that PhD content seminars will be available when you might want them most. *For that reason, whenever such seminars are offered, and whether or not they are focused on topics that are directly related to your primary research interests, you should take them.* The major purpose of PhD content seminars is to engage you in a style of thinking, together with your peers; it is less critical for your scientific education whether the seminars focus on topics that you might assume will be of most interest to you.

Note as well that some other PhD seminars, that primarily focus on providing you with “tools” (such as a seminar in Grantwriting, or the Introduction to PhD Studies [below]), do not count toward this requirement. Nevertheless, they provide critical complementary experiences and tools that can be used in these content seminars.

Introduction to PhD Studies (CSD 3048)

The Introduction to PhD Studies course is required of all PhD students. The primary purpose of this seminar is to provide you with an opportunity to begin to learn and practice the kinds of scholarly thinking and activity that one undertakes when contributing to the research base in our discipline. You are strongly encouraged to take this course during the second term of study, or as soon as possible thereafter. This course is offered only once a year, typically in the spring term.

Pro-Seminar

The PhD Pro-Seminar is a required non-credit course (CSD 3060) that **all PhD students must register for and attend each term until they enter full-time dissertation status (FTDI)**. The Pro-Seminar co-meets with Research Round Table (RRT), meeting for one hour each week. It features both research presentations (CSD’s annual speaker series) and professional-development sessions intended to foster PhD students’ training and professional development.

This course provides you the opportunity to learn about content and advances outside of your own interest area, to observe faculty and other PhD students as they model scholarly discussion, to receive feedback on research plans or presentations from colleagues (students and faculty), and to hone your own scholarly skills, including speaking and answering questions in front of an audience and posing questions to/participating in discussions with other speakers. *Students are expected to attend and participate actively in these sessions.* During the second year of the PhD program, each student will be required to talk about their research. In addition, second-year PhD students will be responsible for co-organizing the RRT speaker series and co-developing professional-development sessions, together with the CSD PhD Program Director and CSD’s Office of Research.

Statistics and Design

Students are required to take a minimum of 12 credits of statistics and experimental design. Typically, this translates to a minimum of 3 courses in statistics and 1 in experimental design. Students typically enroll in an introductory statistics sequence during each of their first two terms in the program, and a more advanced statistics or analysis course to be chosen in consultation with their advisor. The more advanced course should align with the research interests of the student and could include multilevel modelling, item-response theory or psychometrics, clinical-trial or epidemiological methods, or survey or qualitative analysis methods. The experimental design course may be scheduled either concurrently with or following the introductory statistics courses.

SHRS has two graduate courses in statistics – open to CSD and RS PhD students – that will serve many students’ needs for 6 of these 12 credits. *CSD PhD students are strongly encouraged to take these courses to satisfy their introductory stats sequence requirements.* These courses are taught by Professor Lauren Terhorst (Occupational Therapy) and are:

(1) HRS 2927: Statistical Methods for Health Science Research I, 3 credits - the first of a two-course series. Topics covered include measurement, frequency distributions, histograms, bar graphs, stem-and-leaf displays, boxplots, scatterplots, measures of central tendency, measures of variability, point estimation, interval estimation, sampling distributions, one and two-sample tests of hypotheses for means and an introduction to non-parametric tests.

(2) HRS 2928: Statistical Methods for Health Science Research II, 3 credits - the second of the two-course series. Topics covered include one and two way analysis of variance, multiple comparisons for main effects and interactions, analysis of covariance, multiple comparisons for adjusted means, correlation, simple linear regression, multiple regression, and meta-analytic methods.

While the 12 credits are mandatory, exceptions are sometimes made. If you have previously taken PhD-level statistics and/or design courses you can check with your advisor and plan of study committee about an appropriate course of action.

Other possible courses to fill out your 12-credit sequence include:

Introductory statistics sequence:

PSYED 2018 – STATISTICS 1

PSYED 2019 – STATISTICS 2: ANOVA

Experimental design:

PSYED 2030 - EXPERIMENTAL DESIGN

BCHS 2525 – INTRODUCTION TO APPLIED RESEARCH

Advanced topics in statistics and analysis methods

HRS 2582 - ANALYSIS OF CLINICAL DATA/EVIDENCE FUNCTIONAL CHANGE

NUR 2011 – APPLIED STATISTICS FOR EBP (evidence-based practice)

PSY 2575 – TOPICS IN PSYCHOLOGY: LINEAR MIXED EFFECTS MODELS IN R

PSYED 2410 - APPLIED REGRESSION

PSYED 3416 - MULTIVARIATE STATISTICS

STAT 2200 – APPLIED NONPARAMETRIC STATISTICS

STAT 2391 – ADVANCES IN APPLIED STATISTICS

These are options only; feel free to seek other options and discuss other possibilities with your advisor and Plan of Study committee. Additional statistics and design courses are offered through PSYED and other departments. Registering for additional credits is encouraged, if it makes sense for your plan of study.

Required Credits

A total of 72 credits beyond the Bachelor's degree is required for the CSD PhD program. Up to 30 graduate-level credits (2000- and 3000-level courses; e.g., from a Master's program) can be transferred to your PhD program, and up to 12 additional credits may be transferred for work beyond the Master's degree (e.g., from another PhD program). At least 36 credits must be completed at the PhD level (i.e., while enrolled in a PhD program). *Most students take far more than this 36-credit minimum.*

Credits may be transferred using the Credit Transfer form, available on the SHRS Current Student: Forms site (at <https://www.shrs.pitt.edu/current-students/forms>). Transcripts and course descriptions must be submitted for each course for which transfer credit is requested. Please note: if you transfer credits it will shorten the maximum time that you are allowed for completing your degree, from 10 years to 8 years.

Courses outside CSD

1. *To identify courses outside of the CSD department, you may want to talk to your fellow students and consult the CSD PhD student shared resources.* Many have taken classes in other departments including psychology, linguistics, neuroscience, epidemiology, statistics, etc. that they have found interesting and applicable to their areas of research interest.
2. Full-time graduate students at the University of Pittsburgh are eligible to *cross register for graduate courses* during the fall and spring terms, at Carnegie Mellon University (CMU), Duquesne University, the Pittsburgh Theological Seminary, and Robert Morris College, without paying tuition to the host institution. CSD PhD students often find excellent offerings through CMU's department of Psychology, for example, or through the joint University of Pittsburgh-CMU Center for the Neural Basis of Cognition (CNBC; take a look at the Course Offerings link available here: <http://www.cnbc.cmu.edu/training/graduate/cnbc-grad-training-program/>). The SHRS Registrar is the contact person for the cross-registration process; for all such cross-registrations, you will need to complete and submit a Pittsburgh Consortium for Higher Education (PCHE) form, available from the SHRS Current Student: Forms site (at <https://www.shrs.pitt.edu/current-students/forms>).
3. While not required, coursework in *teaching and grant preparation*, and *teaching practica*, are strongly recommended. These are bedrock skills that practicing faculty and researchers need to have. **CSD and SHRS are currently working on developing regularly-offered grantwriting courses; a PhD-level grantwriting course focused on F31s is being offered in CSD during the 2020-2021 academic year.**
4. In addition, PhD (Doctor of Philosophy) students are recommended to *take a course in the History and/or Philosophy of Science*. The University of Pittsburgh has a world-class faculty and program in this area.

I and G Grades

In some circumstances, a student will be unable to complete all of the requirements for a given course (didactic/classroom course, or research or teaching practicum) by the end of the term. In these cases, the student will receive either an Incomplete (I) or a G grade for the course, and must complete remaining requirements within a set period of time.

I Grade

An I grade will be assigned for incomplete class work. This work could be an incomplete assignment in a traditional didactic course, or it could be incomplete research work in a research practicum or seminar. The course instructor will have discretion in determining when to assign an I grade.

Incomplete grades should be completed *no later than the end of the following term*. If the incomplete grade is assigned for a course taken in the fall term, the work must be completed by the end of the spring term. If the incomplete grade is given in the spring, it is expected to be completed by the end of the summer term in August.

If an I grade is assigned, the student and instructor must fill out and submit a Completion Agreement for an I Grade and submit it to the CSD administrator. S/he will transmit a copy to SHRS Student Services and to the CSD PhD program director. The Completion Agreement form can be found at the SHRS Current Student: Forms site, <https://www.shrs.pitt.edu/current-students/forms>.

G Grade

A G grade should only be issued for classwork unfinished because of extenuating personal circumstances (e.g., a medical issue, a family situation). It is the responsibility of the faculty member to clearly state to the student the expected due date.

When given a "G" grade, the student should be instructed to complete some clearly defined work (e.g. a final examination paper) within a specified period of time. The "G" must be completed *no later than one year after the term or session in which the class was taken*. A student should not request or be given a "G" grade if, in actuality, they need to repeat the course. Once the deadline has passed, a "G" grade will remain on the students record and they will be required to register for the class again, if the class is needed to fulfill requirements for graduation.

If an I grade is assigned, the student and instructor must fill out and submit a Completion Agreement for an I Grade and submit it to the CSD administrator. S/he will transmit a copy to SHRS Student Services and to the CSD PhD program director. The Completion Agreement form can be found at the SHRS Current Student: Forms site, <https://www.shrs.pitt.edu/current-students/forms>.

CSD PhD Milestones: Pre-Dissertation Project and Research Practicum Credits

Pre-Dissertation Project

The pre-dissertation project is a major milestone for the PhD program. It is relevant to PhD Competency 1a (“Comprehensive depth and breadth of knowledge in program specialization: Specialized training”). The pre-dissertation project must involve identifying and answering novel research question, and it should provide students with exposure to key domain-specific research methods and/or scientific literature. The project may involve collection of novel data or novel analysis of existing data. The exact nature of the pre-dissertation project will be determined by you and your advisor and may vary significantly between students.

Students typically begin planning their pre-dissertation project while they are taking Introduction to PhD Studies (CSD 3048). Students should complete their pre-dissertation project during the second year of their program. They should register for research practicum (CSD 3971) during each term they are working on their pre-dissertation project.

The pre-dissertation project should culminate in a manuscript potentially suitable for publication, as determined and approved by your advisor. *You may not begin your comprehensive examinations until your pre-dissertation manuscript is accepted as complete by your advisor.* Once your project has been accepted by your advisor, you must submit a Pre-Dissertation Project Approval Form to the CSD Academic Affairs Administrator. Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will prepare a DocuSign version of this form for you and your advisor to complete and sign.

Research Practicum Credits

All students are required to register for at least 6 credits of research practicum (Research Practicum for PhD Students; CSD 3971) during their degree program. These credits usually are taken over the course of more than one term, and typically as you develop and conduct your pre-dissertation research project.

For each term that you are involved in a research practicum (or in any other non-didactic learning experience or research work, i.e., directed or independent studies; teaching practica; dissertation work), you must develop a contract with your advisor that specifies the requirements for a “Satisfactory” grade. The information in the contract needs to be specific enough to ascertain whether you are meeting appropriate objectives. New contracts are formulated each term that the work continues, and in the case of continuing experiences (e.g., research practica related to the predissertation project; dissertation work), these contracts must be sufficient to illustrate that you are making good progress. Both you and your advisor should each keep a record of these contracts. You will receive a grade of satisfactory/unsatisfactory each term.

An “Incomplete” grade can be given, but this is reserved for situations where the mentor determines that a relatively short remediation or completion of a task would be sufficient to change the grade to “Satisfactory.” In this case, the mentor and the student should formulate a contract clearly stating what needs to be achieved to change the grade to “Satisfactory.” See discussion under “I and G Grades” above for timelines and procedures related to resolving an “Incomplete” grade. If the remediation is not completed by the relevant deadline, a grade of “Unsatisfactory” will result.

CSD PhD Milestones: Comprehensive Examinations

Prior to beginning the comprehensive exam process, you will consult with your advisor to select faculty members to serve on your comprehensive examination committee. This committee may be different from your plan of study committee. The comprehensive exam committee must include at least three University of Pittsburgh graduate faculty members. (A current list of University graduate faculty may be found here: <https://ir.pitt.edu/graduate-faculty-roster/>.) Two of those faculty members must have primary appointments in Communication Science and Disorders; Pitt graduate faculty with secondary or adjunct appointments in CSD may count as the third committee member. You must ask each of these faculty members if they will serve on your committee.

The comprehensive exam involves two substantive written projects, to be completed *independently* by the student, and an open-ended oral examination. Students should complete the entire comprehensive examination, including the oral examination, within two academic terms. See below for further description of the written and oral components of the comprehensive exam, along with a detailed timeline for completion, submission, and review of these

You may not begin the comprehensive exam until you have completed: (a) all required coursework described above; (b) your predissertation research project, as approved by your advisor; and (c) all proposed plan of study coursework and non-didactic credits - or, alternatively, obtained your committee's approval to accept any and all modifications to this plan. *You must be registered for comprehensive examination credits (CSD 2972) while you work on the exam.* The maximum allowable credits of CSD 2972 is 3 per term. To maintain full-time status while working on the comprehensive examination, the student would need to register for 6 additional credits – typically of independent study and/or research practicum, for a total of 9 credits per term. Although it is not be advisable, it is permissible for you to take other academic courses while you work on your exam.

A detailed timeline for the comprehensive exam, describing the components of the exam and the timing of their submission and evaluation, is provided below.

The written portion of the comprehensive exams will consist of two parts: (1) *a critical evaluation of two research articles*, and (2) *a critical review of the literature*. The student and their advisor will decide on the order in which these are completed, but the entire comprehensive exam (including oral defense) must be completed within two terms of its initiation.

1. Critical evaluation of two research articles
 - a. The student's comprehensive examination committee will select two research articles (published or submitted) to represent diverse research methods, keeping in mind the student's area of specialty and future research objectives. Students will write a critical evaluation (manuscript review) of each article.
 - b. Students will be given two weeks to complete these critical evaluations.
2. Critical review of the literature
 - a. Students will be asked to complete a critical literature review of an important area, possibly leading to a dissertation. The review should evaluate the quantity and quality of existing research, identify gaps and inconsistencies in the body of knowledge, and propose several specific research questions that follow logically from the review.
 - b. The area for review will be selected by the student and approved by his or her comprehensive exam committee. The student may consult with the committee for help in limiting the scope of the project.
3. Submission and Grading Timelines
 - a. The student must submit the first portion of the written exam a minimum of 5 weeks prior to the date of the scheduled oral exam.
 - b. The committee has 2 weeks to evaluate each portion of the written exam.

4. Grading of written portions
 - a. Each comprehensive exam committee member will submit a grade (pass/fail) for each portion of the written examination to the chair of the committee (the student's advisor), who will call a committee meeting if necessary to resolve any discrepancies.
 - b. If, after this meeting, the student receives a failing grade from any committee member, they will be allowed one opportunity to rewrite that element. This revision must be completed within a single term.

The oral portion of the comprehensive examinations will be scheduled to occur after the student has passed the written portion. The oral portion will have an open-ended format, to allow committee members to delve into any concerns they have about the written portion of the comps, and to allow students to further demonstrate their base of knowledge. The oral portion of the comprehensive exams should not be confused with the student's prospectus (or dissertation overview) meeting, which will be scheduled after the student has passed the comprehensive examinations and successfully defended the dissertation proposal.

1. After completing the oral exam, the student will be excused temporarily. The grade for the oral portion (pass/fail) will be made by majority vote of the committee, and will be communicated to the student by their advisor.
2. If the student fails the oral examination they will be given feedback from the committee, and will be allowed another opportunity to pass the oral exam.
3. If the student passes the oral exam, they are eligible to begin dissertation work.

Following the oral exam, the student must report the results of the exam to the CSD Office of Academic Affairs using the Report on Examinations for the Doctoral Degree form. Please contact the Administrator for Academic Affairs, Sharon Joyner (slj49@pitt.edu), who will prepare a DocuSign version of this form for your comprehensive exam committee to complete and sign.

CSD PhD Milestones: Dissertation Research

Nature and Scope of Dissertation Research

The dissertation involves theoretically-motivated, original, independent research. The dissertation should be grounded in an appropriate body of literature to address questions of theoretical significance (which may but need not have clinical significance). It should furthermore make a novel scholarly contribution, in which specific hypotheses are tested and/or specific research questions are answered. Dissertation research should culminate in a comprehensive final document that makes a significant contribution or advancement in the relevant literature base.

Within these guidelines, your major advisor will help you determine the nature and scope of your dissertation proposal. Your proposal will be approved by your dissertation committee at the dissertation overview (prospectus) meeting. Note that, per University guidelines, approval of your dissertation

proposal does not imply either the acceptance of a dissertation that follows this proposal, or the restriction of the dissertation to this original proposal. See the guidelines and discussion here: <http://www.pitt.edu/~graduate/regphd.html> .

It is natural that dissertation proposals, experiments, time and work requirements, and so on vary in scope depending on factors related to the literatures and research questions of interest, as well as variables involving the student, the advisor, the committee, etc. You should not be surprised if you require more or less time or apparent effort to complete the dissertation than some others in your peer group.

Dissertation Committee

In consultation with your advisor, you will select a dissertation committee of at least 4 people, including at least 1 from another department at the University of Pittsburgh outside of SHRS, or from an appropriate graduate program at another academic institution. (The committee may or may not include the same faculty members as your plan of study or comprehensive examination committees). The majority of this committee, including the major advisor, must be full or adjunct members of the Graduate Faculty (see roster at <https://ir.pitt.edu/graduate-faculty-roster/>). This committee will review and approve your proposed dissertation research, advise you during the dissertation research process, conduct your final oral examination or dissertation defense, and determine whether your dissertation meets accepted standards.

In order to receive approval for your dissertation committee, you and your advisor must complete and submit a CSD Dissertation Committee Approval Form. Please contact the CSD Academic Affairs Administrator, Sharon Joyner (slj49@pitt.edu), to request this form. She will create a DocuSign version of this form for you and your advisor to complete. Once this form is completed, it will be sent to the CSD PhD Program Director, CSD Department Chair, and Associate Dean for Graduate Studies for review and approval. You will receive written notification from the Associate Dean for Graduate Studies, approving your committee. For more details about the dissertation committee, see University of Pittsburgh Graduate and Professional Bulletin <http://www.pitt.edu/~graduate/regphd.html>.

If your area of dissertation research requires the expertise of a director who has a secondary or adjunct appointment in SHRS, *you must have a co-director whose primary appointment is in CSD.*

Dissertation Overview (Prospectus) Meeting

You will prepare a written dissertation proposal that you will provide to your dissertation committee, and present to them orally at a formal dissertation overview (prospectus) meeting. *You are responsible for:* (a) scheduling the meeting, (b) making sure that your committee members have sufficient time to read your written proposal before the meeting, and (c) contacting the CSD Academic Affairs Administrator to request two sets of forms for the committee to complete after the meeting. The first is the Report on Examinations for the Doctoral Degree. The second form is Section 1 of the Middle States Outcomes form. The Middle States form lists the minimal criteria by which your performance will be evaluated at your two dissertation meetings (overview/prospectus and defense). Following the meeting, the Academic Affairs Administrator will generate DocuSign versions of both these forms for your dissertation committee to sign.

The dissertation committee must unanimously approve the proposed topic and research plan before you can proceed. You should expect that you will have to make revisions to your research plan at this stage. Again, per University guidelines, approval of the proposal does not imply either the acceptance of a dissertation that follows this proposal, or the restriction of the dissertation to this original proposal. If the research will involve human subjects, it must be approved by the appropriate institutional review board(s) (IRB(s)) before it can be carried out.

Dissertation Authorship Agreement Form

According to SHRS policy, all dissertation proposal defense approval forms require an authorship agreement component. This form is intended to ensure that the student and her/his dissertation committee members have discussed and are in agreement on who will receive author credit on any publications resulting for the dissertation. The authorship agreement form (available here: <https://www.shrs.pitt.edu/sites/default/files/library/documents/phdrs/DISSERTATION%20PROPOSAL%20and%20AUTHORSHIP%20APPROVAL%20FORM.pdf>) should be submitted to the Academic Affairs Administrator, Sharon Joyner. *Please be advised that dissertation proposal approval forms that do not include the authorship agreement will not be accepted, and a dissertation proposal will not be considered approved until the authorship agreement has been received.*

Admission to Candidacy for the Degree of Doctor of Philosophy

Once your dissertation prospectus has been approved, you are eligible to be admitted to candidacy for the PhD degree. Admission to candidacy constitutes a promotion to the most advanced stage of graduate study and provides formal approval to devote essentially exclusive attention to the research and the writing of the dissertation. After you pass your prospectus defense, please contact the CSD Academic Affairs Administrator, Sharon Joyner (slj49@pitt.edu), to request the CSD PhD Admission to Candidacy form. She will generate a DocuSign version of this form for you to complete. It will then be submitted to the CSD Department Chair and Associate Dean of Graduate Studies for approval. You will receive written notification from the Dean of your admission to candidacy.

Registering for Dissertation Credits and for “Dissertation Only” Status

While you work on your prospectus, and until you are admitted to candidacy, you need to register for CSD 3000 (dissertation credits). After you have been admitted to candidacy and while you are working on your dissertation, you may register for full-time dissertation study (FTDI 0000). In this status, you will not be charged the usual (per credit) tuition rate, and will only pay a flat fee for tuition each fall and spring term. No letter grade or credits are associated with this status. You must consult with the SHRS registrar for permission to register for full-time dissertation study. *Note that you must remain in active status* (see below) while you are working on your dissertation, and that you must create a contract with your mentor each term (as detailed in the section on Pre-Dissertation Research and Research Practicum Credits).

Dissertation Format and Submission Requirements: ETD

Dissertations are submitted in electronic format. You will find the Electronic Theses and Dissertations (ETD) Format Guidelines Manual at <http://www.pitt.edu/~graduate/etd/ETDformat.pdf>. In addition, style and form templates are available: <http://www.pitt.edu/~graduate/etd/templates.html>. *You should consult the template as soon as you begin writing your dissertation prospectus*, to reduce the likelihood of formatting errors. Please note that your dissertation committee may require that you provide one or all

members with a paper copy of the ETD before your defense. To learn more about Pitt's ETD project go to the ETD website at <http://www.pitt.edu/~graduate/etd>.

When you are ready to apply for graduation, email Assistant to the Dean of Graduate Studies, Courtney Fleck, Courtney.fleck@pitt.edu, to obtain an electronic ETD packet. *Follow the instructions in that packet to the letter.*

The University Library System has migrated to D-Scholarship@Pitt (<http://d-scholarship.pitt.edu/>) for ETDs. This system is easy to use and has many features to improve access, sharing, and visibility of Pitt ETDs.

Dissertation Defense/Final Oral Examination

The final oral examination in defense of the doctoral dissertation is conducted by the dissertation committee and need not be confined to materials in and related to the dissertation. Anyone within or outside the University may attend and participate in selected portions of the examination. The details of the examination must be published for the broader university community well in advance of the examination.

Please note that the oral defense date will not be approved without identification of the moderator (who will run the defense meeting) and without the moderator's agreement to serve in that capacity. Please see the description of the moderator, their responsibilities, and the conduct of dissertation defenses in SHRS in Appendix A for more details.

At least one month in advance of your scheduled dissertation defense, you must submit the following information to the CSD Academic Affairs Administrator and to the Assistant to the Dean of Graduate Studies: Your name, dissertation title, committee chair and other members, moderator, date, time, and location. At this same time you must submit your dissertation abstract to the CSD Academic Affairs Administrator and to your dissertation committee chair. In addition, you need to visit the following link for information on "Scheduling Your Defense":

<https://www.shrs.pitt.edu/sites/default/files/library/documents/students/2016/Defense%20Instructions.pdf>

Other qualified individuals may be invited by the committee to participate in the examination. *The examination is directed by a moderator, a graduate faculty member who is not on the committee. Only the members of the dissertation committee and the moderator may be present during the final deliberations and only the dissertation committee may vote on passing of the candidate. If the decision of the committee is not unanimous, the case is referred to the dean for resolution.*

Following your dissertation defense, you must contact the CSD Academic Affairs Administrator to request three forms: the Report on Examinations for the Doctoral Degree, Section 1 of the Middle States Outcomes Form, and the ETD Approval Form. The Academic Affairs Administrator will generate DocuSign versions of these forms, to be sent to the dissertation committee and your dissertation committee chair for signature.

Streaming of dissertation defenses from Forbes Tower is permitted. It is the student's decision whether or not to stream the defense presentation: streaming will not be allowed without the student's permission. Anyone wishing to stream the dissertation defense should make certain they reserve a room for the defense where this is feasible. The link to participate online should be included in the dissertation defense announcement. We recommend you work with SHRS IT Support (Kip Ruefle: kruefle@pitt.edu) in planning the set up for streaming a few weeks in advance of the dissertation date.

POLICIES OF THE CSD PhD PROGRAM: OTHER REQUIREMENTS RELATED TO THE CONDUCT OF RESEARCH

Research Training

Anyone involved in conducting research at the University of Pittsburgh must complete on-line training in the ethical conduct of research, as well as human subjects protections and privacy requirements and/or animal subjects protections. It is recommended that you complete this training as soon as possible after you register for the first time. Evidence of certification must be submitted for various purposes at departmental, school, and University levels. Information about the Research Practice Fundamentals education and an overview of the certification program can be found at www.rcco.pitt.edu. For an overview and access to the required training modules, go to <http://www.hrpo.pitt.edu/training>.

The University has also established a Responsible Conduct of Research (RCR) Training Center through its Clinical and Translational Science Institute (CTSI: <https://ctsi.pitt.edu/education-training/responsible-conduct-of-research-training/>) for the purpose of helping students, postdocs, and faculty meet the NIH RCR requirements. The workshops are all noncredit, free, and conducted in person. Dr. Karen Schmidt is the director of the Center and she can help you design an RCR plan and provide text for your grant application. Please feel free to contact her at kschmidt@pitt.edu.

Human Research Protection Office (HRPO) Approval for Research Involving Human Subjects

Before any research can be conducted with human subjects, IRB approval is necessary. Institutional Research Boards (IRBs) are federally-mandated bodies that function to protect the rights and welfare of human research participants. Federal policy defines "research" as "a systematic investigation, including research development, testing, and evaluation, designed to develop or to contribute to generalizable knowledge." At Pitt, the Human Research Protection Office (HRPO) is responsible for both IRB oversight and compliance, as well as education in the ethical conduct of research.

You are encouraged to allow plenty of time to prepare your materials for IRB submission and review. IRB regulations and requirements are quite precise, and thoroughly detailed in the aforementioned manual and other documents on the Human Research Protection Office (HRPO) website (<http://www.hrpo.pitt.edu/>). When you are preparing your IRB submission, you need to read these materials carefully. The HRPO also sponsors periodic "Ask the IRB" sessions to help investigators navigate the process, and HRPO staff typically are easily available for specific questions, as well. To receive ongoing updates about regulatory information and other news of concern to the University of Pittsburgh research community you can join the University of Pittsburgh HRPO e-mailing list at the above website.

The Pitt HRPO currently has cooperative IRB agreements with Children’s Hospital of Pittsburgh, Magee Women’s Hospital, and the VA Pittsburgh Healthcare System. The Preface of the IRB Reference Manual spells out what each of these agreements means for IRB review.

Pre-IRB submission: SHRS Scientific Review Approval

Before they can be submitted for IRB approval, all research proposals that involve human subjects are required to be reviewed by “an appropriate and formally constituted scientific review committee” (Guidelines for Structure and Function of Scientific Review Committees, November, 1998). Prior scientific review can be accomplished by any of a number of units throughout the university, or by federal peer-review panels in the case of a federally-funded grant application. In SHRS, Scientific Review clearance is handled within each department. After the investigator uploads the IRB materials into PittPRO (a web-based system for scientific review approval, <https://www.pittpro.pitt.edu/>) the appropriate departmental reviewer is notified to initiate the review. (Note: your research advisor will be notified to approve your IRB documents in PittPRO, before notice is sent to the scientific reviewer. It may be wise to alert your advisor to this pre-review requirement, so that your proposal can be processed in a timely manner).

Institutional Animal Care and Use Committee (IACUC)

If your research involves laboratory animals, it must be reviewed by IACUC. For information, go to <http://www.iacuc.pitt.edu/>.

University Policy on Research Data Management

The required practice is found in Guidelines on Research Data Management, available at http://www.provost.pitt.edu/documents/RDM_Guidelines.pdf. Briefly, research data belong to the University of Pittsburgh, which can be held accountable for the integrity of the data even after the researchers who generated the data have left the University. Although the primary data should remain in the laboratory where it originated (and hence at the University), consistent with the precepts of academic freedom and intellectual integrity an investigator no longer in the laboratory may retain copies of the research data and certain materials created by him/her in the course of the research.

The University of Pittsburgh, as the grantee for sponsored research, has an institutional responsibility to retain research records for a minimum of seven years following the conclusion of a grant. As the policy states, the research records should remain in the laboratory where they were created. If that is not possible, the research records should be retained in the department or institute administrative office.

Please keep in mind that failure to accurately record and retain research data may be considered an act of research impropriety which falls short of the legal definition of research misconduct. However, such actions are nonetheless regarded very seriously by the University and the federal Office of Research Integrity.

POLICIES OF THE CSD PhD PROGRAM: RESIDENCE, REGISTRATION, and COMPLETION REQUIREMENTS

Residency Requirements

It is beneficial for most students to be full-time throughout their PhD program. However, in some instances students will have significant off-campus responsibilities. Therefore, with approval, the PhD can be completed by a combination of full-time and part-time study. All students must engage in a

minimum of one term of full-time PhD study, which excludes any other employment except as approved by the department chair.

Active Status

To maintain status as an active student, SHRS requires that PhD students register for at least one (1) credit in each fall and spring term (unless on ‘Dissertation only’ status, which has no credits attached). Under exceptional circumstances (e.g., medical, death in the family) you may apply for a waiver of this requirement, with a letter of support from your advisor and for a compelling reason. Otherwise, if you will not meet the requirement to maintain active status, you must take a leave of absence. Readmission is automatic following an approved leave of absence (see more below). If you do not take a leave of absence in this circumstance, you will be placed on inactive status. This means you must file an application for readmission to graduate study before you will be allowed to register. Upon readmission, your plan of study would be adjusted to meet PhD requirements at the time of readmission.

Minimum Grade-Point Average: Probation, Dismissal, Candidacy and Graduation.

PhD students are required to maintain a 3.0 grade point average. If your grade point average falls below a 3.0, you will be placed on academic probation. If you are on probation for 2 consecutive terms, the faculty may choose to dismiss you from the program. You must have a 3.0 grade point average to be admitted to PhD candidacy, and to graduate.

Statute of Limitations, Extensions, Leaves of Absence

Statute of Limitations and Extensions

From the time of initial registration, all requirements for the PhD must be completed within 10 years, or 8 years if you have received credits for completion of a Master’s degree. Under exceptional circumstances, a candidate for the PhD may apply for an extension of the statute of limitations. This request must be approved by the department chair and the SHRS Associate Dean of Graduate Studies.

Leaves of Absence

Under special conditions, a student may be granted one leave of absence for a maximum of 2 years. The length and rationale for the leave must be stated in advance, recommended by the student’s advisor, and approved by the department chair and SHRS Associate Dean for Graduate Studies. The time of the leave of absence does not count against the total time allowed for the degree. Readmission is automatic following an approved leave of absence. Students must file a formal request for a leave of absence; this can be found at the link below or at the SHRS Current Student: Forms site,

<https://www.shrs.pitt.edu/current-students/forms>:

<https://www.shrs.pitt.edu/sites/default/files/library/documents/students/Request%20for%20a%20Leave%20of%20Absence%20-%20Graduate.pdf>

RESOURCES FOR THE CSD PhD PROGRAM

Funding Information and Opportunities

(a) Financial assistance is often available from a variety of sources, including opportunities for teaching assistantships. These typically require up to 20 hours of work per week and are typically compensated with either or both tuition remission and a stipend. Other types of research fellowships

may be available through faculty grants. Typically, these positions are limited and you should speak with your advisor and the CSD Director of Financial Aid to discuss potential funding opportunities during your PhD program. To find information about scholarship opportunities specific to SHRS students, go to the SHRS homepage (<http://www.shrs.pitt.edu>), and under the Current Students tab, click on Scholarships. There is also a new, university-wide, graduate and professional student funding opportunities portal: <http://www.research.pitt.edu/gps-welcome>

If you receive an appointment as a graduate student researcher/assistant, or as a teaching assistant/fellow, you can find the University policy statements here:

www.pitt.edu/~graduate/GSRPolicyStatement.pdf

www.pitt.edu/~graduate/TATFGSAPolicyStatement.pdf .

If you have any questions, you can direct them to the CSD Director of Financial Aid (Dr. Jim Coyle).

(b) At the appropriate time in your PhD program, you are encouraged to prepare an application for one of several categories of *pre-doctoral fellowships* (Natural Research Service Awards, F31 grants) from the National Institutes of Health (NIH), if you are eligible:

1) to support dissertation research for any individual PhD student who is a US citizen or permanent resident of the US, and who will have successfully completed comprehensive exams by the time of the award.

2) to support training toward the PhD degree for students from underrepresented racial/ethnic minority groups and students with disabilities.

F31 awards provide funding for research training, and give you a start on an independent NIH funding record, which is important for future grant submissions and highly valued when you look for a job. A detailed proposal is required, and you will need to work closely with your research advisor to make sure your application meets standards of quality and completeness. The grants are competitive and you may need to revise and resubmit after receiving feedback on an initial submission. Successful applications are put on a fast-track, with the time from submission to funding being 4 months. For a program announcement that provides more information, go to <https://researchtraining.nih.gov/programs/fellowships/F31>. You can find information specific to the National Institute on Deafness and Other Communication Disorders (NIDCD) at <http://www.nidcd.nih.gov/funding/types/pages/training.aspx#F31A> . The NIDCD site will link to application forms and instructions, or you can go to the Fellowships category at <http://grants.nih.gov/grants/funding/424/index.htm>. You can also e-mail any questions you have to grantsinfo@nih.gov .

(c) SHRS has a small Research Development Fund, and graduate students are eligible to apply as principal investigator for grants up to \$1000. Several smaller applications can be made as long as the total request does not exceed \$1000. Applications for awards are available from the Dean's office.

(d) SHRS recently developed the SHRS Doctoral Student Award, to provide funding to PhD students who have passed written comprehensive examination to support their research projects that are related to their dissertation research. Students can apply for up to \$7500.00. There will be 2 application/review periods per year, early October and end of March. The application should include a

coversheet, 1 page statement of specific aims, 5 page research plan, student biosketch, budget and budget justification. In the biosketch the student should indicate how their work is different from their advisor/mentor. Students will be notified via email approximately 90 days prior to the due date, with the RFA information.

(e) SHRS also provides some opportunities for student travel grants. Information at the following link describes these, provides a link to travel grant opportunities through the Graduate and Professional Student Association, and compares the two sources of travel awards.

<http://www.shrs.pitt.edu/student.aspx?id=291>

(f) The following link provides a list of other financial aid resources that may be of interest to graduate students in the department: <https://www.shrs.pitt.edu/financialinformation/>. Additional information can be obtained from the University of Pittsburgh Office of Admissions & Financial Aid: <http://www.pitt.edu/~oafa/> located in Alumni Hall.

(g) The website of the Office of Academic Career Development Health Sciences also contains information on funding opportunities for graduate students: <http://www.oacd.health.pitt.edu/research-and-funding-medical-and-graduate-students>

(h) The NIH has a Loan Repayment program for up to \$35,000 per year of qualified educational debt. For details, see <http://www.lrp.nih.gov>.

PhD student representatives

The CSD PhD program has two student representatives to the faculty. These representatives are key resources for PhD students: they curate the CSD PhD student resources folder, coordinate formal and informal PhD student groups and communication (including Facebook groups, Slack channels, and email lists), and they serve as liaisons and points of contact between students and faculty. They may be contacted at csdphdreps@groups.pitt.edu.

These representatives are appointed for two-year terms, with the terms of the two representatives being staggered when possible. Their responsibilities include attending monthly faculty meetings, meeting regularly with the PhD Program Director and members of the Office of Research, and conveying information and concerns between PhD students and the PhD Program Director. Students who are interested in being PhD student representatives should contact either the PhD Program Director or the current student representatives (csdphdreps@groups.pitt.edu).

APPENDIX A: SHRS Regulations on Final Oral Defense of the Doctoral Dissertation

The final oral examination in defense of the doctoral dissertation is conducted by the Dissertation Committee and need not be confined to materials in and related to the dissertation. The defense is overseen by a non-committee member moderator who is a member of the graduate faculty (responsibilities outlined below). Anyone within or outside of the University may attend and participate in selected portions of the examination. Although this is a public defense, it is strongly recommended that the Chair of the Committee discourage the student from including family and friends from attending

the defense due to the potential for awkward interactions for the student and committee. No food or beverage will be provided by the student, committee members, or general audience for consumption by the group during the defense proceedings.

The date, place, and time of the examination should be published in advance in the University Times and the Pitt Chronicle. At least one month prior to the defense, this information should be forwarded to the Department Administrator who will provide it to the Dean's office for dissemination to publications and to the SHRS community. In addition, an announcement of the Oral Defense will be posted on the Health Sciences Calendar website and the SHRS website. The SHRS website should provide a link to the dissertation abstract. The abstract should be provided at least one month in advance to the Department Administrator who will forward it to the appropriate IT contact person.

Oral examinations are to be scheduled on the Oakland campus, preferably in Forbes Tower whenever possible. The room selected for the oral examination should provide adequate space and electronic resources to accommodate a large group of attendees. The room must accommodate 50 people or more if a larger attendance is anticipated. It is preferable for all committee members to be physically present during the examination but if a committee member is unable to attend the defense, electronic communication must be available in the room to allow for virtual attendance at least by voice. The majority of the committee must be physically present for the defense (e.g., 3 of 4, 3 of 5, 4 of 6, etc). The candidate, Chair of the Committee, and Moderator must attend the defense in person without exception.

The student and chair of the dissertation committee will secure the agreement of a non-committee member of the graduate faculty, from any SHRS department, to serve as moderator for the oral examination. This individual will moderate the timing of the meeting, the order of questioning, and ensure a consistent process for all students involved in dissertation defenses. Although only the Dissertation Committee participates in the deliberations and votes on the passing of the candidate, the moderator will serve as an observer through this process.

Once the dissertation defense has reached the deliberations stage, and all concerns have been addressed, the student will be asked to leave the room and the Committee will proceed with their deliberations and vote up or down regarding a passing grade for the dissertation. The moderator who is observing the proceedings is not a contributing or voting member of this committee. The student will then be invited back into the room and informed by the committee chair of the decision. If the decision of the committee on passing the oral examination is not unanimous, the case is referred to the Associate Dean of Graduate Studies as a mediator to pursue resolution (this is a University-wide policy).

Necessary changes will be explained to the student as needed to achieve the written format and content that is fully acceptable to the majority of committee members. During the proceedings, the Chair or a member of the committee designated by the chair will take notes to provide to the student, specifying all revisions that are required prior to submission of the final dissertation document. The Chair of the Dissertation Committee will ensure that the dissertation is in final form before requesting signatures of

the members of the committee. The ETD Approval form (included in the doctoral packet available in Student Services and at the link below), signed by all the members of the Dissertation Committee, must be sent to Student Services. The approval form is available on the ETD website at http://www.pitt.edu/~graduate/etd/pdf/ETD_Approval_Form.pdf

Time line for the dissertation defense:

1. At least one month prior to the defense, the student will send the date, time, place, title, and abstract to the Department Administrator to forward to the Dean's office for dissemination in publications and websites. The student will forward this to the dissertation committee chairperson. The abstract will be publicly available at the SHRS website along with the defense announcement.
2. At least two weeks prior to the defense, the Chair of the dissertation committee will secure the agreement of a non-committee member on the graduate faculty, from any department in SHRS, to serve as moderator of the oral examination. If the Chair cannot find a moderator, one will be appointed by the Associate Dean of Graduate Studies from the members of the SHRS Graduate Faculty.
3. The student will bring all necessary paperwork to the oral examination.

Responsibilities of the Defense Moderator (non-committee member of SHRS graduate faculty):

The moderator of the defense will welcome the group, read written guidelines, ensure adherence to the timing of the oral examination. The moderator will function as an independent observer to the process and will complete a checklist of activities for later review by the department Chair and Associate Dean to promote consistent and fair practices. If necessary, the moderator will remind faculty to allow the student to answer all questions independently.

A moderator script and checklist (to be used by the Defense Moderator to lead the defense proceedings) may be found here:

<https://www.shrs.pitt.edu/sites/default/files/library/documents/students/2016/Dissertation%20Defense%20Moderator%20Script.pdf>

This script can also be found by following the Dissertation Defense Moderator Script link at the SHRS Current Student: Forms site, <https://www.shrs.pitt.edu/current-students/forms>.