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ABOUT HDSI

History
The Halıcıoğlu Data Science Institute (HDSI) was co-founded in June, 2018 by Dr. Rajesh Gupta and Dr. Jeffrey Elman. In just its first year, HDSI became the largest data science undergraduate program in the nation. In 2022, HDSI classes began for the first graduate students in the M.S, PhD, and online MDS programs.

Mission
The mission of the Halıcıoğlu Data Science Institute (HDSI) is to lay the groundwork for the scientific foundations of this emerging discipline, develop new methods and infrastructure, and train students, faculty and industry partners to use data science in ways that will allow them to solve some of the world’s most pressing problems. We serve as a unique, collaborative and innovative academic unit across multiple disciplines at UC San Diego.

HDSI Directory
- Faculty
- Administrative Staff
- Fellows
- Directory Search

HDSI Academic Programs
- PhD
- MS
- OMDS

Research Areas
Artificial Intelligence and Machine Learning
At HDSI we work on advancing theoretical foundations and applications of ML and AI across a broad range of disciplines. We aim to break disciplinary boundaries and foster collaboration between AI/ML researchers and the broader data science community.

Subareas:
- Natural Language Processing
- Computer Vision
- Robotics
- Deep Learning
Unsupervised Learning and Data Mining
- Planning
- Reinforcement Learning and Sequential Decision Making
- Statistical Learning Theory
- Graphical Models and Inference
- Control and Dynamic Systems

Biomedical Data Science
Advancing methods, technologies, and applications for understanding biological systems, transforming medicine and improving health. We address real-world complex data arising from multiple sources and spanning multiple scales. Prominent subareas include computational neuroscience, omics, biomedicine and health, and biostatistics.

Data Infrastructure and Systems
We study principles, techniques, and tools for acquiring, managing, and analyzing large and complex datasets throughout their whole lifecycle. We build and deploy software systems and software-hardware integrated systems to aid data-driven decision making and responsible data science in both the digital and the physical worlds.

Sub-areas:
- Data Management
- Systems for Machine Learning
- Data Mining Infrastructure
- Cloud and Cyberinfrastructure
- IoT and Cyberphysical systems

Data Science for Scientific Discovery
HDSI is advancing basic science through the collection, annotation, exploration and synthesis of high-dimensional, multimodal data. This is inclusive of classic scientific experimentation, complemented by the use of large extant datasets, all done under the rigorous process of proper collection, processing, and analysis of data.

Data and Society
This area concerns itself with the intersection of data science and social issues, with two broad overlapping subgroups. One focuses on the impacts of data on society and approaches to mitigate negative impacts, and the other focuses on the use of data to study society. The first subgroup includes studies of issues like fairness, transparency, and accountability in data science, data ethics, data policy, social studies of data, the sustainability of data infrastructures, and applications of privacy-preserving approaches. The second group includes computational social science, digital humanities, policy evaluation, social networks and media, and socio-environmental science.
Theoretical Foundations of Data Science

This HDSI area focuses on establishing the mathematical and theoretical foundation of data science, understanding the fundamental limits of data acquisition, data processing, modeling, and inference from data. This group aims to develop efficient and effective algorithms for all aspects of data analysis with rigorous guarantees.

Subareas:
- Algorithms
- Optimization
- Theoretical Computer Science
- Computing and Statistics
- Geometry and Topology
- Applied Harmonic Analysis
- Information Theory
- Learning Theory
- Economics and Game Theory

Statistics

Statistics is the discipline of gathering and analyzing data. It has developed into subareas that are broadly defined by data type, and its methods are often motivated by scientific problems of contemporary interest, such as in genetics, functional MRI, climatology, epidemiology, clinical trials, finance, and more.

Sub-areas
- Time series and random fields
- Asymptotic theory
- Decision theory
- Nonparametric inference
- Resampling-based inference
- Geometric statistics
- Cluster analysis
  - Multiple testing
  - Functional and longitudinal data analysis
  - Robust statistics
  - Survival analysis
  - Design of experiments
GRADUATE STUDENT POLICIES

General Conduct

Principles of Community
The University of California, San Diego is dedicated to learning, teaching, and serving society through education, research, and public service. Our international reputation for excellence is due in large part to the cooperative and entrepreneurial nature of the UC San Diego community. UC San Diego faculty, staff, and students are encouraged to be creative and are rewarded for individual as well as collaborative achievements.

To foster the best possible working and learning environment, UC San Diego strives to maintain a climate of fairness, cooperation, and professionalism. These principles of community are vital to the success of the University and the well being of its constituents. UC San Diego faculty, staff, and students are expected to practice these basic principles as individuals and in groups.

- We value each member of the UC San Diego community for his or her individual and unique talents, and applaud all efforts to enhance the quality of campus life. We recognize that each individual's effort is vital to achieving the goals of the University.

- We affirm each individual's right to dignity and strive to maintain a climate of justice marked by mutual respect for each other.

- We value the cultural diversity of UC San Diego because it enriches our lives and the University. We celebrate this diversity and support respect for all cultures, by both individuals and the University as a whole.

- We are a university that adapts responsibly to cultural differences among the faculty, staff, students, and community.

- We acknowledge that our society carries historical and divisive biases based on race, ethnicity, sex, gender identity, age, disability, sexual orientation, religion, and political beliefs. Therefore, we seek to foster understanding and tolerance among individuals and groups, and we promote awareness through education and constructive strategies for resolving conflict.

- We reject acts of discrimination based on race, ethnicity, sex, gender identity, age, disability, sexual orientation, religion, and political beliefs, and, we will confront and appropriately respond to such acts.

- We affirm the right to freedom of expression at UC San Diego. We promote open expression of our individuality and our diversity within the bounds of courtesy, sensitivity, confidentiality, and respect.
We are committed to the highest standards of civility and decency toward all. We are committed to promoting and supporting a community where all people can work and learn together in an atmosphere free of abusive or demeaning treatment.

We are committed to the enforcement of policies that promote the fulfillment of these principles.

We represent diverse races, creeds, cultures, and social affiliations coming together for the good of the University and those communities we serve. By working together as members of the UC San Diego community, we can enhance the excellence of our institution.

**Academic Integrity (🔗)**

**General Expectations**

Academic integrity means students approach their academic endeavors at UC San Diego honestly, respectfully, responsibly, truthfully, and fairly. HDSI works closely with the Academic Integrity Office to ensure the quality of teaching and learning at UC San Diego remains exceptional. All members of the HDSI community have a responsibility to ensure the highest level of integrity in our academic, social, and professional practices. Ethical behavior is core to our values both as a learning community and as a professional organization. This behavior impacts our stakeholders, our community, and our world.

The UC San Diego Policy on Integrity of Scholarship states that integrity of scholarship is essential for an academic community. The University expects that both faculty and students will honor this principle and in so doing protect the validity of its intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind. Instructors, for their part, will exercise care in planning and supervising academic work, so that honest effort will be upheld. Students are expected to complete each course in compliance with the instructor's standards.

- No student shall engage in any activity that involves attempting to receive a grade by means other than honest effort; for example:
  - No student shall knowingly procure, provide, or accept any unauthorized material that contains questions or answers to any examination or assignment to be given at a subsequent time.
  - No student shall complete, in part or in total, any examination or assignment for another person.
  - No student shall knowingly allow any examination or assignment to be completed, in part or in total, for the student by another person.
○ No student shall plagiarize or copy the work of another person and submit it as their own work.

○ No student shall employ aids excluded by the instructor in undertaking course work or in completing any exam or assignment.

○ No student shall alter graded class assignments or examinations and then resubmit them for re-grading.

○ No student shall submit substantially the same material in more than one course without prior authorization.

○ A student acting in the capacity of an instructional assistant (IA), a category including but not limited to teaching assistants, readers, and tutors, has a special responsibility to safeguard the integrity of scholarship. In this role, the student functions as an apprentice instructor, under the tutelage of the responsible instructor. An IA shall equitably grade student work in the manner agreed upon with the course instructor.

○ An IA shall not make any unauthorized material related to tests, exams, homework, etc., available to any student.

The complete UC San Diego Policy on Integrity of Scholarship can be viewed here.

**Copyright**

Copying and/or distribution of copyrighted works is an infringement on the owner’s copyright and is illegal. Any use of duplicating facilities or computers by students, faculty, or staff for duplication of copyrighted works is subject to disciplinary action, including expulsion from the university, as well as those civil remedies and criminal penalties provided by federal law. For more information, visit the UC Copyright Education Web Site.

**Illegal Downloads**

First Violation:
1. Student’s network connection is blocked temporarily in case the computer has been compromised.
2. Student is required to bring in the computer to the UC San Diego Academic Computing and Media Services (ACMS) office for a security scan.
3. Student must attend a one-hour presentation on file sharing and copyright law within one month.
4. Student is required to sign an agreement to stop illegal file sharing.

Second Violation:
1. Student's network connection is blocked.
2. Case is referred to the Office of Student Conduct and goes on the student's disciplinary record
3. Student must meet with a School Dean or Assistant Dean about the violation.
4. Student is required to bring in the computer to ACMS for a security scan.
5. Student must meet with the ACMS Help Desk Manager.
6. Student is subject to disciplinary sanctions (probation, monetary fine, community service).

Third Violation:
1. Student’s network privileges are permanently revoked unless significant mitigating circumstances are present.
2. Student is referred to the Office of Student Conduct again for further action under the Student Conduct Code and may be subject to additional and more serious sanctions (i.e. suspension and/or additional fines).
3. The case is added to the student's disciplinary record.

Plagiarism
The most common form of cheating is plagiarism. UC San Diego professors use TurnItIn software to ensure students do not submit plagiarized work. A missing reference indicated by “Error! Reference source not found” is the most common type of plagiarism. Students are encouraged to use this software prior to submission to ensure they do not mistakenly plagiarize someone else's work or work that they have previously turned in. In addition to the UC San Diego Policy on Integrity of Scholarship, HDSI follows the Office of Academic Integrity process when a student is suspected of plagiarizing, as it is a form of cheating:

- The Instructor notifies the Graduate Program Advisor of the allegation.
- The Instructor may file an intent to report.
- The Instructor may ask for a meeting with the student.
- The Instructor submits an allegation report to the AI Office.
- The AI Office initiates the appropriate process.
- The Appropriate Administrative Authority holds a resolution meeting with the student.
- Sanctions are assigned.
- The Instructor submits the academic sanction.
- The student has the right to appeal.

Reporting Student Conduct Violations (🔗🔗)
Any member of the campus, including those directly affiliated with an organization, may report an organization or its members for alleged violations of the University Standards of Conduct. Examples include hazing, battery/assault, health & safety, alcohol, discrimination & harassment, and sexual misconduct. UC San Diego may extend jurisdiction off-campus for misconduct that has occurred.

The university takes allegations seriously and will review all reports for appropriate next steps. In determining the best next steps, the university will weigh the wishes of the reporting or affected
parties along with the seriousness of the alleged violations and the health and safety of the campus community. Individuals are encouraged to provide as much information as possible. While anonymous reports, or reports with limited information will be reviewed, the university may be limited in its ability to respond as these reports may not contain sufficient detail to enable the University to engage in a resolution process.

The following resources are available to individuals looking to file a report of an incident or discuss reporting options with a University Official.

**When Reporting an Incident:**
- Indicate who was involved, what happened, and when and where it occurred.
- Supply as much detail as possible.
- Provide your name, phone number, and e-mail address.
- Provide the contact information of any witnesses.
- You may file an anonymous report, but you should know that such a report can make an investigation more difficult and sometimes unsuccessful.

### Non-Confidential Reporting Options

<table>
<thead>
<tr>
<th>Student Conduct</th>
<th>Office For The Prevention Of Harassment &amp; Discrimination (OPHD)</th>
<th>Police</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviews and resolves reports of non-academic misconduct. 858-534-6225 studentconduct.ucsd.edu</td>
<td>Receives reports of allegations of discrimination and harassment, including sexual violence and harassment. 858-534-8298 OPHD.UCSD.EDU</td>
<td>Conducts patrol, investigation, crime prevention education, responds to emergencies. 858-534-4357 (non-emergency), 9-1-1 (emergency) POLICE.UCSD.EDU</td>
</tr>
</tbody>
</table>

### INCIDENT REPORT FORM

ONLINE INCIDENT REPORT FORM

INCIDENT REPORT FORM

ONLINE INCIDENT REPORT FORM

OPHD.UCSD.EDU

### Confidential Resources (🔗)

<table>
<thead>
<tr>
<th>CARE at SARC</th>
<th>Ombuds</th>
<th>SLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARE at the Sexual Assault Resource Center provides free &amp; confidential services for those impacted by sexual violence. 838-534-5793</td>
<td>Confidential, neutral and informal dispute resolution services. 858-534-0777</td>
<td>Student Legal Services (SLS) provides free, confidential counseling on legal topics for individuals and groups. 858-534-4374</td>
</tr>
</tbody>
</table>
Student Conduct Process

Student gets an Administrative Resolution Meeting (ARM) Letter and attends ARM*

- **Outcome 1**: As a result of the meeting, the Student Conduct Officer (SCO) finds there is a preponderance of evidence that the student violated the Standards of Conduct AND the student accepts responsibility. The student is found responsible and is assigned the appropriate sanctions.
  - The student can appeal the outcome of their case or submit a Sanctions Reduction Request. This request must be submitted to the Office of Student Conduct (OSC) within 10 days of receiving their Administrative Resolution Summary letter.

- **Outcome 2**: As a result of the meeting, the SCO finds there is a preponderance of evidence that the student violated the Standards of Conduct BUT the student does not
accept responsibility. The SCO will refer the case to a Student Conduct Review for the Office of Student Conduct to coordinate.

○ If found responsible, the student can appeal the outcome of their case or submit a Sanctions Reduction Request. This request must be submitted to the Office of Student Conduct (OSC) within 10 days of receiving their Administrative Resolution Summary letter.

- **Outcome 3:** As a result of the meeting, the SCO does not find that there is a preponderance of evidence, the case is then dismissed.

*If the student does not respond to the first ARM letter, they will be sent a second and final notice. If a student does not schedule or attend their ARM, their case will be adjudicated by the Student Conduct Officer, without the benefit of the student’s input, using the information available to them.

**For more information, please visit the Policies, Process and Procedures page.**

**Download a three-page PDF version of this flow chart with its accompanying definitions and descriptions**, and read frequently asked questions about the student conduct process.

**Reporting Misconduct**

Any member of the campus, including those directly affiliated with an organization, may report an organization or its members for alleged violations of the University Standards of Conduct. Examples include hazing, battery/assault, health & safety, alcohol, discrimination & harassment, and sexual misconduct. UC San Diego may extend jurisdiction off-campus for misconduct that has occurred.

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- Supply as much detail as possible.
- Provide your name, phone number, and e-mail address.
- Provide the contact information of any witnesses.
- You may file an anonymous report, but you should know that such a report can make an investigation more difficult and sometimes unsuccessful.
PHD DEGREE REQUIREMENTS

General Requirements

There are three categories of courses: Foundation (group A), Core (group B), and Elective and Research requirements (group C) for the graduate program. These course requirements are intended to ensure that students are exposed to (1) fundamental concepts and tools (Foundation), (2) advanced, up-to-date views in topics central to Data Science for all students (Core), and (3) a deep, current view of their research or application area (Elective). Courses may not fulfill more than one requirement.

The doctoral program is structured as a total of 52 units in courses from these group A, B, and C as described in detail here. Out of the 52 units, 48 units (or 12 courses) must be taken for letter grade and at least 40 units must be using graduate-level courses. The remaining 4 (= 52 - 48) units are for professional preparation, consisting of 1 unit of faculty research seminar, 2 units of TA/tutor training and 1 unit of survival skills course taken for a passing (satisfactory) grade. Finally, as mentioned earlier, out of the 12 regular courses, at least 10 must be graduate-level courses; at most two can be upper-level undergraduate courses. 36 units (9 courses) must be completed within 6 quarters from the start of the degree program.

Academic Residence

The minimum residence requirement for the master of arts or science degree is three academic quarters. The minimum residence requirement for the master of fine arts degree is six academic quarters for literature and visual arts and eight academic quarters for theatre and dance. Academic residence is met by satisfactory completion of six units or more per quarter, some of which must be graduate level. The entire residence requirement must be satisfied at UC San Diego. A candidate must be registered in the quarter in which the degree is to be awarded (see Registration in the Final Quarter for the Award of the Degree).

PhD Timeline

1) Quarters 1-8:
   a) Quarter 1-8 Course Requirements - Preparational courses, core courses, electives (advanced topics + special domains), and faculty research topic courses - TA requirement, academic survival skills;
   b) Quarters 1-3: Research Rotations;
   c) Quarter 3: Secure PhD Funding with Primary Instructor.
   d) Quarter 4 set up a Faculty Committee and scheduled a Preliminary Exam for the following quarter.
   e) Quarter 5 (Winter Yr 2): Take Preliminary Exams.

2) Quarter 9-10 (Spring Yr 3/Summer Yr 3): Students begin to put together their Research Qualifying Exam committee members;

3) Quarter 10 (Fall Yr 4) - Student submits committee names to PhD Advisor no later than Week 8 - who then submits to GEPA for approval;
4) **Quarter 10 (Yr 4)** - Students schedule their Research Qualifying Exam/Advancement to Candidacy oral exam. Student works with committee chair to determine proposal template/expectations;

5) **Quarter 11-12 (Winter Yr 4/Spring Yr 4)** - submit proposal to committee for approval no later than 2 weeks before scheduled oral Research Qualifying Exam - (take Univ Qual Exam = oral exam presenting thesis proposal to committee).

**Preliminary Exam**

The goal of the preliminary assessment examination is to assess students' preparation for pursuing a PhD in Data Science, in terms of core knowledge and readiness for conducting research. The preliminary assessment is an advisory examination.

There is an oral presentation that needs to be completed before the end of Fall quarter of the second year. The student will propose the topic of the presentation (e.g., the outcome of a research rotation or a literature survey). The Graduate Program Committee will set up a committee consisting of two members (students can suggest committee members but there is no guarantee that only those suggested faculty members will be chosen for the committee). The oral presentation from the student will be followed by a Q&A session by the committee members. The committee will assess both the oral presentation as well as the students academic performance thus far (especially in the required core courses). Students who did not get a satisfactory evaluation will receive a recommendation from the Graduate Program Committee regarding ways to remedy the lacking preparation (e.g, suggestion of courses to be taken), or an opportunity to receive a terminal MS in Data Science degree provided the student can meet the degree requirements of the MS program.

**Appointment of Doctoral Committees**

Your doctoral committee conducts the qualifying examination, supervises the preparation of and approves the dissertation, and administers the final examination.

1. Discuss with your research advisor your plan to take the qualifying exam and your selection of a doctoral committee, which consists of five faculty members. Selection of members should be from faculty who have similar research interests to you, and who will understand the research and be able to make positive contributions to it.

2. Thoroughly read through Graduate Division’s policy on Appointment of the Doctoral Committee and the Doctoral Committee Membership Table in determining the members of your committee.

3. **Once your doctoral committee is formed, complete the PhD Examination Card**

4. Schedule a consultation with your PhD Program Advisor (Kimber Worthy) at least 6 weeks prior to your expected qualifying exam date to discuss details and deadlines.

5. A qualifying exam may not be held until HDSI Grad Student Affairs receives approval of your doctoral committee from the Graduate Division.
For a variety of reasons, your doctoral committee may need to be reconstituted. To request a reconstitution of the membership of your committee, you must consult your PhD Advisor. The Advisor will then submit a Request for Reconstitution of Committee Membership form to the Graduate Division with the reasons for requesting the change. This form must be submitted to the Graduate Division at least two weeks prior to your qualifying exam.

**Advancement to Candidacy (🔗🔗)/Research Qualifying Exam (UQE🔗🔗)**

After completing all preliminary requirements of the major with a GPA equivalent to 3.0 in upper-division and graduate course work undertaken, a total of no more than eight units of F and/or U grades, and a minimum of two quarters or more of residency, the student may file an application for candidacy.

A research qualifying examination (UQE) is conducted by the dissertation committee consisting of four or more members approved by the graduate division as per senate regulation 715(D). One senate faculty member must have a primary appointment in the department outside of HDSI. Faculty with 25% or less partial appointment in HDSI may be considered for meeting this requirement on an exceptional basis upon approval from the graduate division.

The goal of UQE is to assess the ability of the candidate to perform independent critical research as evidenced by a presentation and writing a technical report at the level of a peer-reviewed journal or conference publication. The examination is taken after the student and their advisor have identified a topic for the dissertation and an initial demonstration of feasible progress has been made. The candidate is expected to describe their accomplishments to date as well as future work. The research qualifying examination must be completed no later than fourth year or 12 quarters from the start of the degree program; the UQE is tantamount to the advancement to PhD candidacy exam.

A petition to the Graduate Committee is required for students who take UQE after the required 12 quarters deadline. Students who fail the research qualifying examination may file a petition to retake it; if the petition is approved, they will be allowed to retake it one (and only one) more time. Students who fail UQE may also petition to transition to an MS in Data Science track.

**Dissertation Requirements**

Students must successfully complete a final dissertation defense oral presentation and examination to the Dissertation Committee consisting of four or more members approved by the graduate division as per senate regulation 715(D). The primary Thesis Advisor, who will chair the Dissertation Committee, must be a senate faculty member with an appointment of 0% or more at HDSI. One senate faculty member in the Dissertation Committee must have a primary appointment in a department outside of HDSI. Partially appointed faculty in HDSI (at 25% or less) are acceptable in meeting this outside-department requirement as long as their main (lead) department is not HDSI.

A dissertation in the scope of Data Science is required of every candidate for the PhD degree. HDSI PhD program thesis requirements must meet Regulation 715(D) requirements. The final
form of the dissertation document must comply with published guidelines by the Graduate Division.

The dissertation topic will be selected by the student, under the advice and guidance of thesis advisor and the Dissertation Committee. The dissertation must contain an original contribution of quality that would be acceptable for publication in the academic literature that either extends the theory or methodology of data science, or uses data science methods to solve a scientific problem in applied disciplines.

The entire dissertation committee will conduct a final oral examination, which will deal primarily with questions arising out of the relationship of the dissertation to the field of data science. The final examination will be conducted in two parts. The first part consists of a presentation by the candidate followed by a brief period of questions pertaining to the presentation; this part of the examination is open to the public. The second part of the examination will immediately follow the first part; this is a closed session between the student and the committee and will consist of a period of questioning by the committee members.

**Special Requirements: Generalization, Reproducibility and Responsibility**

A candidate for doctoral degree in Data Science is expected to demonstrate evidence of generalization skills as well as evidence of reproducibility in research results. Evidence of generalization skills may be in the form of — but not limited to — generalization of results arrived at across domains, or across applications within a domain, generalization of applicability of method(s) proposed, or generalization of thesis conclusions rooted in formal or mathematical proof or quantitative reasoning supported by robust statistical measures. Reproducibility requirement may be satisfied by additional supplementary material consisting of code and data repository. The dissertation will also be reviewed for responsible use of data.

**How to Format Your Dissertation**

**Degree Time Limits**

In Spring 1988 the Graduate Council approved the establishment of a new policy on doctoral time limits which became effective Winter 1990. The goal of this policy is to encourage students to complete their doctorates and to stimulate faculty to guide their students so they can advance to candidacy and complete dissertations of high quality in a timely manner.

Basic provisions of the policy are given below. The complete text of the policy may be obtained from departmental graduate offices. Time limits vary by department. Students may consult their department graduate coordinators for their department's specific time limits. At the end of their first year of study, doctoral students will receive a letter from the Graduate Education and Postdoctoral Affairs (GEPA) explaining their time limits. Another notification of time limits will be sent when a student advances to candidacy. Students may log on to the Graduate Education and Postdoctoral Affairs (GEPA)’s Student Portal to access their letters.

This policy applies to all students in the Doctoral programs.
Each doctoral program has three time limits:

- Pre-candidacy limit (PCTL) - Maximum registered time in which a student must advance to doctoral candidacy.
- Support limit (SUTL) - Maximum time during which a doctoral student is eligible for financial support.
- Total time limit (TRTL) - Maximum registered time in which a student must complete all doctoral requirements.

In addition, each program has a Normative Time, the period within which students, under normal circumstances, are expected to complete requirements for the doctorate. Students may not remain in campus housing after the expiration of normative time plus one year. Normative Time cannot be extended.

Departments may establish earlier doctoral time limits which are administered solely by the department.

Time limits are affected by the following:

- Up to three quarters time spent on approved leave of absence from the graduate program will not count in the above limits.
- Time spent withdrawn from the graduate program will count toward all time limits (pre-candidacy, support, total, and normative) for a student who is readmitted to the graduate program.
- Time spent at UC San Diego as a master's, non-degree graduate, or intercampus exchange student will count in the above time limits.
- Adjustment to the time limits for students who change departments or enroll for one year or more of half-time study may be made upon departmental recommendation and approval by the Graduate Dean (normative time is not adjusted for quarters registered at half-time status). Students who withdrew from the University prior to Winter 1989 and who have subsequently been readmitted will not have periods of withdrawal in excess of three quarters counted against their support time limit.

Students will not be permitted to continue in doctoral status if they have not advanced to candidacy before the expiration of the pre-candidacy time limit or if they have not completed their program before the expiration of the total time limit. Students will not be permitted to receive UC San Diego administered financial support after the expiration of their support time limit.
UC ACADEMIC POLICIES

Courses and Registration

UC San Diego Catalog
- Please visit https://catalog.ucsd.edu/

Office of Registrar
- Please visit https://students.ucsd.edu/sponsor/registrar/

Course Descriptions

DSC 200 - Data Science Programming
Prerequisite course(s): None
Computing structures and programming concepts such as object orientation, data structures such as queues, heaps, lists, search trees and hash tables. Laboratory skills include Jupyter notebooks, RESTful interfaces and various software development kits (SDKs).

DSC 202 - Data Mgt for Data Science
Prerequisite course(s): None
Principles of data management, relational data model, relational algebra, SQL for data science, NoSQL Databases (document, key-value, graph, column-family), Multidimensional data management (data warehousing, OLAP Queries, OLAP Cubes, Visualizing multidimensional data).

DSC 203 - DataVis/Scalable Vis Analytics
Prerequisite course(s): DSC 202
Commonly used algorithms and techniques in data visualization. Interactive reasoning and exploratory analysis through visual interfaces. Application of data visualization in various domains including science, engineering, and medicine. Scalable interactive methods involving exploring big data and visualization methods. Techniques to evaluate effectivity and interpretability of analytical products for diverse users to obtain insights in support of assessment, planning, and decision making.

DSC 204A - Scalable Data Systems
Prerequisite course(s): DSC 202
Storage/memory hierarchy, distributed scalable computing (cluster, cloud, edge) principles. Big Data storage, management and processing at scale. Dataflow programming systems and programming models (MapReduce/Hadoop and Spark).
DSC 204B - Big Data Analytics Using Spark  
*Prerequisite course(s):* DSC 200, 210, 212  
This course is a hands-on introduction to big data analytics. Topics covered include: I/O bottleneck and the memory hierarchy; HDFS and Spark; RMS error minimization, PCA and percent of variance explained. Analysis of NOAA weather data. Data collection and curation. Limitations of train/test methodology and leaderboards. Kmeans and intrinsic dimension. Classification, Boosting and XGBoost. Margins. Neural Networks and tensorflow. Students will develop the skills and attitudes required to write jupyter notebooks that can be understood by domain experts.

DSC 205 - Geometry of Data  
*Prerequisite course(s):* DSC 210 or ECE 269, DSC 212, DSC 240  
This course will cover graph-based data modeling, analysis and representation. Topics include: spectral graph theory, spectral clustering, kernel-based manifold learning, dimensionality reduction and visualization, multiway data analysis, graph signal processing, graph neural networks.

DSC 206 - Algorithms for Data Science  
*Prerequisite course(s):* DSC 212  
With the advent of large-scale machine learning, online social networks, and computationally intensive models, data scientists must deal with data that is massive in size, arrives fast, and must be processed within an interactive or online manner. This course studies the mathematical foundations of massive data processing, developing algorithms and analyzing them. We explore methods for sampling, sketching, and distributed processing of large scale databases, clustering, dimensionality reduction, and methods of optimization for the purpose of scalable statistical description, querying, pattern mining, and learning from data.

DSC 210 - Numerical Linear Algebra  
*Prerequisite course(s):* None  
Linear algebraic systems, least squares problems and regularization, orthogonalization methods, ill-conditioned problems, eigenvalue and singular value decomposition, principal component analysis, structured matrix factorization and fast algorithms, randomized linear algebra, JL lemma, sparse approximations

DSC 211 - Introduction to Optimization  
*Prerequisite course(s):* DSC 210  
Continuity and differentiability of a function of several variables, gradient vector, Hessian matrices, Taylor approximation, fundamentals of optimization, Lagrange multipliers, convexity, gradient descent

DSC 212 - Prob. & Stats. for Data Science  
*Prerequisite course(s):* None  
Probability, random variables, distributions, central limit theorem, maximum likelihood estimation, method of moments, confidence intervals, hypothesis testing, Bayesian estimation, introduction to simulation and the bootstrap.
DSC 213 - Statistics on Manifolds  
*Prerequisite course(s):* DSC 210, DSC 212  
This is a graduate topics course covering statistics with manifold constraints. Topics include: Frechet means and variances, principal geodesic analysis, directional statistics, random fields on manifolds, statistical distances between distributions, transport problems, and information geometry. Manifold constraints will be considered on simplexes, spheres, Stiefel manifold, stratified manifolds, cone of positive definite matrices, trees, compositional data, and other relevant manifolds.

DSC 214 - Topological Data Analysis  
*Prerequisite course(s):* None  
Topology provides a powerful way to describe essential features of functions and spaces. In recent years topological methods have attracted much attention for analyzing complex data. Fundamental developments have been made and the resulting methods have been applied in many fields, e.g., graphics, visualization, neuroscience and material science. This course introduces basic concepts and topological structures behind these developments, algorithms for them, and examples of applications.

DSC 215 - Statistical Thinking & Experimental Design  
*Prerequisite course(s):* None  
We hold science in high regard, however, not all scientific claims are correct. How do we know which claims to trust and which not to? This fundamental question is at the heart of this course. The goal of this course is to enable the student to evaluate any paper in data science, regardless of application area. Topics covered include experimental design, claims, evidence and statistical significance, The Replication Crisis, falsifiability, philosophy of science, history of probability and statistics. About half of these class meetings, as well as the final project, would be devoted to evaluating contemporary papers in data science. This class will be in the form of an open discussion, based on provided reading materials. The only prerequisite is a statistics class that covers hypothesis testing and P-values.

DSC 231 - EmbdSensing/IOT DataMod/Methods  
*Prerequisite course(s):* None  
Sensory data and control is mediated by devices near the edge of sensor networks, referred to as IOT (Internet of Things) devices. Components of IOT platforms: signal processing, communications/networking, control, real-time operating systems. Interfaces to cloud computing stack, publish-subscribe protocols such as MQTT, embedded software/middleware components, metadata schema, metadata normalization methods, applications in selected CPS (cyber-physical system) applications.

DSC 240 - Machine Learning  
*Prerequisite course(s):* DSC 210, 212  
A graduate level course in machine learning algorithms: decision trees, principal component analysis, k-means, clustering, logistic regression, random forests, boosting, neural networks, kernel methods, deep learning.
DSC 241 - Statistical Models  
Prerequisite course(s): DSC 210, 212  
Linear/nonlinear models, diagnostics, polynomial regression, robust methods, regularization and penalization (ridge regression, lasso, etc.), bootstrap, model selection (cross-validation), generalized linear models, nonparametric regression, linear classification, classification and regression trees, boosting, neural networks.

DSC 242 - High-Dimensional Prob/Stats  
Prerequisite course(s): None  
Concentration inequalities, Markov processes and ergodicity, martingale inequalities, empirical processes, sparse linear models in high dimensions, principal component analysis in high dimensions, estimation of large covariance matrices.

DSC 243 - Advanced Optimization  
Prerequisite course(s): DSC 211, DSC 212  
Linear/quadratic programming, optimization under constraints, optimization on the space of probabilities, gradient descent (deterministic and stochastic), convergence rate of gradient descent, acceleration phenomena in convex optimization, stochastic optimization with large data sets, complexity lower bounds for convex.

DSC 244 - Large-Scale Statistical Analysis  
Prerequisite course(s): DSC 210, DSC 212, DSC 241  
Large-scale hypothesis testing, Family-wise error rate (FWER) and false discovery rate (FDR) control and estimation, empirical null distribution, empirical covariance matrices, empirical Bayes methods.

DSC 245 - Intro to Causal Inference  
Prerequisite course(s): DSC 212, DSC 240  
Causal versus predictive inference, potential outcomes and randomized experiments (A/B testing), structural causal models (interventions, counterfactuals, causal diagram, do-operator, d-separation), causal structure learning (constraint and score-based algorithms, and functional causal model-based methods), identification of causal effect (back-door and front-door criterion, do-calculus), estimation of causal effect (matching, propensity score, doubly robust estimation, instrumental variables, conditional effects), advanced topics (causal discovery and inference in the presence of distribution shifts, selection bias, hidden confounders, cycles, nonlinear causal mechanisms, missing values, and causal representation learning.)

DSC 250 - Advanced Data Mining  
Prerequisite course(s): None  
Graph mining and basic text analysis (including keyphrase extraction and generation), set expansion and taxonomy construction, graph representation learning, graph convolutional neural networks, heterogeneous information networks, label propagation, and truth findings.
DSC 251 - Machine Learning in Control  
Prerequisite course(s): DSC 211, DSC 240  
Estimation of stability and uncertainty, optimal control, and sequential decision making.

DSC 252 - Statistical NLP  
Prerequisite course(s): None  
Diving deep into the classical NLP pipeline: tokenization, stemming, lemmatization, part-of-speech tagging, named entity recognition, parsing, and machine translation. Finite-state transducer, context-free grammar, Hidden Markov Models (HMM), and Conditional Random Fields (CRF) will be covered in detail.

DSC 253 - Adv Data-Driven Text Mining  
Prerequisite course(s): None  
Unsupervised, weakly supervised, and distantly supervised methods for text mining problems, including information retrieval, open-domain information extraction, text summarization (both extractive and generative), and knowledge graph construction. Bootstrapping, comparative analysis, learning from seed words and existing knowledge bases will be the key methodologies.

DSC 254 – Statistical Signl/Image Analysis  
Prerequisite course(s): DSC 210 or ECE 269, DSC 212, DSC 220  
A graduate level course on signal and image analysis spanning three main themes. Statistical signal processing: random processes, stochasticity, stationarity, Wiener filter, Kalman filter, matched filter ; Signal processing: time-frequency representations, wavelets, signal processing with sparse representation (dictionary learning) ; Image processing: registration, image degradation and restoration: noise models + denoising, image pyramids, random fields

DSC 260 - Data Science, Ethics, & Society  
Prerequisite course(s): None  
Data science is transforming our lives, and so we must consider the ethical and societal impacts, implications, and constraints in our data science efforts. This course will consider foundational concepts including power, justice, bias, privacy, and explainability; societal practices including delegation, organizational incentives, and accountability; and governance mechanisms including law, regulation, and norms.

DSC 261 - Responsible Data Science  
Prerequisite course(s): DSC 212, DSC 240  
Data Science lifecycle, data cleaning and quality management, data profiling, causal inference, algorithmic fairness (fairness definitions, impossibility results, causal fairness, building fair ML models, fairness beyond classification), algorithmic transparency (interpretability vs explainability, auditing-black-box algorithms, algorithmic recourse).
Course Enrollment

- **Schedule of Classes** is a tool to help find course offerings and schedules.
- You can enroll without an appointment at any time during the enrollment period by using WebReg.
- You can print a copy of your schedule from WebReg.
- Note: The official university deadline to add classes (including Special Studies classes) is Friday of Week 2. Requests to add classes after Week 2 are not guaranteed and require a request submitted through the Enrollment Authorization System (EASy) to be approved by both instructor and department offering the course, and submitted to the Office of the Registrar by 4 p.m. on Friday of the final week of instruction.

Enrollment and Fee Payment Holds

- If your account is delinquent, the UC Finance department will place a Hold on your student account. [Here are the different reasons your account may be on Hold](#)
- To learn more, go to [Holds](#). Contact the office indicated to clear each hold.
- WebReg will not allow you to enroll or Add/ Change/ Drop unless all enrollment holds have been cleared.
- The Cashier's Office cannot process fee payments until all fee payment holds have been cleared.
- Enrollment limits will be enforced for all graduate students.
- If a class is full, the system will offer you the option to wait-list.

WebReg

Deadlines are as of 11:59 p.m. on the date posted. Transactions requiring in-person assistance have a deadline of 4:30 p.m. on the date posted.

- **Before classes begin, through Week 2:**
  1. To add a class that's open, follow the regular enrollment procedure in WebReg. If you wish to switch sections of course, it is considered a drop and add transaction, and all drop/ add/ change deadlines apply.
  2. If a class is full, you may add your name to the waitlist via WebReg, and follow the wait-list procedures.
  3. Graduate students work with your graduate coordinators when altering your quarter class schedule to ensure you are meeting all campus, graduate program, and field area requirements and standards.
Note: The official university deadline to add classes (including Special Studies classes) is Friday of Week 2.

- Week 3 through Week 10:
  1. Requests to add classes after Week 2 are not guaranteed. Check with the academic department offering the course for specific guidelines.
  2. Submit a request through Enrollment Authorization System (Enrollment Authorization System (EASy) Request) Request, giving enough time to be approved by 4 p.m. on Friday of the final week of instruction.

Academic Holds
Every hold has a different cause and effect on your activity at UC San Diego. Please refer to Resolving Holds to understand each hold type and how to resolve them.

Repeating Courses
Full text available here: Repetition of Courses - Regulation 505 - PDF Version
Repetition for credit of courses (not so authorized by the appropriate Committee on Courses) is allowed subject to the following limitations:

A. A student may not repeat a course for which a grade of A+, A, A-, B+, B, B-, C+, C, C-, I, P, or S is recorded on their transcript.
B. Courses in which a grade of D or F has been awarded may not be repeated on a P/NP or S/U basis.
C. Graduate students may repeat a course in which a grade of U has been awarded on an S/U basis only.
D. Repetition of a course for which a student's transcript bears two or more entries with grades among D, F, NP, or U requires the approval of the appropriate provost or dean,
E. All grades received by a student shall be recorded on the student's transcript unless changed in accordance with Regulation 500(H). A student may receive degree credit for a course only once, unless the course has been approved for repetition.

Leave of Absence
Graduate students are eligible for a maximum 3 quarters leave of absence with department approval. Students access the online form through the Graduate Education and Postdoctoral Affairs Student Portal. A graduate student who is bearing a child and/or has primary responsibility for the care of an infant or child under the age of five, and is in good academic standing may request an additional 3 quarters leave of absence (follow the same procedures below but specify "parenting" or "maternity" on the leave form as the reason)

- Please visit the webpage Leave of Absence/Withdrawal for more information.
Withdrawing from the University

- A student leaving the University and not planning to return must return all borrowed library material, set up an exit interview with the Student Business Services Office, and obtain all other clearances listed on the on-line form.
- A student who must leave the academic program for more than three quarters or while on academic probation must withdraw from the program. A withdrawal allows a student to apply for readmission when ready to resume. A student who seeks readmission to the program must not have more than 8 units of “F” grades. Readmission is not guaranteed. Please discuss details and paperwork with a Graduate Program Advisor.
- A student withdrawing during the first thirty-five calendar days of a quarter will receive a refund of fees according to the Schedule of Refunds for Tuition, Educational Fee, University Registration Fee, and other Student Fees. The date of withdrawal used in calculating a refund will be the date on which the form is submitted to the Graduate Education and Postdoctoral Affairs. Refer to the Schedule of Classes for refund information.
- A student on a leave of absence who subsequently withdraws must obtain all clearance signatures for the withdrawal.

Withdrawn Student Returning to Defend

- A withdrawn student who returns only to defend and submit the dissertation may need to reconstitute the doctoral committee and will need to pay the following fees:
  - Readmission fee
  - (Re)advancement fee if the original advancement was more than 5 years ago
  - Filing fee, in lieu of registration

Students are advised to discuss and coordinate the above with their graduate coordinator well in advance of the scheduled defense.
GRADING

General Policy
A, B, C, D, or F grades reflect your performance in a class and result in grade points that count toward your GPA. You must be enrolled in a class through the ninth week of instruction to earn one of the following grades:

- A+, A, A- = Excellent
- B+, B, B- = Good
- C+, C, C- = Fair
- D = Poor
- F = Fail

Please refer to the UC San Diego Grades webpage for more information about grade types and deadlines.

All courses (other than research credits) that will be counted towards MS degree will need to be for a letter grade.

In order to receive credit for a comprehensive exam, students must also receive a passing grade (B- or higher) in the course.

S/U Grade Policy
Students may take a course for Satisfactory/Unsatisfactory for Research Credits only.

Grade Types

Blank Grades
If your transcript does not have a grade recorded for one of your courses, contact the professor immediately to remedy any outstanding issues. A blank grade will lapse to a grade of "F" or "U" if not cleared by the end of the following quarter. It is the responsibility of each student to take appropriate action for clearing up any grade problems.

Incomplete Grades
If a student is doing passing work in a course but legitimate reasons prevent the student from completing the course, the professor may agree to assign an "I" (incomplete) grade. To receive this placeholder status, the student must request the incomplete no later than final exams week from their faculty. Course work must be successfully completed by the deadline set by the instructor or before the final week of the following quarter, whichever comes first. If the coursework is not completed by the date required, a grade of F will be assigned.
**In-Progress Grades**

If you are in a course series that spans more than one quarter, you may be assigned an In-Progress Grade, reflected as "IP" on your transcript. This occurs when finishing the entire course series is necessary in order for a faculty member to assess students accurately. The IP grade will be replaced by a final grade once you have completed the course series.

**Withdraw Grades**

Students who drop a course between the fifth and ninth weeks of the quarter, will earn a "W" (Withdrawal) grade on their transcript. Students may not withdraw from a course after the ninth week of the term. A "W" grade does not affect GPA.

**Letter Grades**

Group A, Core and Elective courses must be taken for a letter grade.

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**Good Academic Standing**

Good academic standing is determined by graduate students meeting departmental and graduate studies standards; a GPA of 3.0 or above, in upper-division, graduate and professional course work; satisfactory spring evaluation; and having no more than a total of eight units of "F" and/or "U" grades. Students should also maintain satisfactory progress toward completion of degree requirements.

**Good Academic Standing is a requirement for:**

1. Holding academic and staff appointments.
2. Receiving fellowship, scholarship, or traineeship appointments.
3. Advancing to candidacy for a graduate degree.
4. Going on a leave of absence.
5. Obtaining a graduate degree from UC San Diego.

Graduate students who are not in Good Academic Standing for any reason are subject to probation and/or disqualification from further graduate study.

**Academic Probation**

A student who fails to maintain a cumulative GPA of 3.0 or better will be put on academic probation and will work with their Graduate Program Advisor to develop a plan for improving academic performance. Students on academic probation must demonstrate an improvement in their GPA in subsequent quarters in order to continue in the program. Any student with more than 8 units of "U" and/or "F" grades or a GPA of less than a 2.5 is subject to immediate dismissal.

**Transcripts**

Grades are typically available two weeks after a term has ended. Grades are posted on TritonLink. Official transcripts may be ordered anytime through the UC San Diego Registrar at (858) 534-3153 or by completing an online request.
Academic Advising

DROP-IN ADVISING (🔗🔗)

All students are strongly encouraged to attend drop-in advising PRIOR to scheduling an advising appointment. Drop-in sessions are designed to be 10-15 minutes in length. These sessions are for 1-2 questions that can quickly be addressed. If the Data Science Grad Advisor determines an inquiry will take longer to address, students will be asked to schedule a follow-up advising appointment.

Drop-in advising is given on a first come, first served basis; there is no guarantee that you will see an advisor during drop-in advising. Students will not be allotted additional time as we often have several students waiting. The last student will be seen 15 minutes before the end of the advising hours available that day.

Drop-in advising topics may include, but are not limited to:

- Degree checks
- Review of courses for the current quarter
- Selection of courses for the upcoming quarter
- Review already completed forms

ACADEMIC ADVISING APPOINTMENT (🔗🔗)

Scheduled appointments are available during specified times in 30-minute increments. Advising appointment topics may include, but are not limited to:

- Developing long-term academic plans
- Students facing academic difficulty or other challenges that may require a referral
- Assistance preparing/submitting academic forms
- Discussions of academic difficulty or other challenges
- Students should contact DSC Graduate Student Affairs at least 48 hours in advance to schedule an appointment.

- To schedule an appointment: Email dscgradinfo@ucsd.edu
- In your email, please include:
  - Name
○ PID
○ Preferred date and time based on available hours
○ Alternative date and time based on available hours
○ Reason for appointment
○ Cell phone number and carrier (if you would like to receive a text message confirmation)

If you need to cancel your appointment, we request that you notify the department at least 24 hours in advance.

**PLANS OF STUDY**
The PhD Program of Study Degree Planner is a planning tool to help students plan out and organize the courses they will need to graduate. Students will need to access the course offerings page in order to plan accurately.

*PhD Program of Study*
Graduate Student Resources

PARKING
UC San Diego encourages students to take alternative courses to commute to campus, please visit the [UC San Diego parking website](http://ucsd.edu/parking) for more information.

Graduate students may use a virtual ParkMobile Duo to purchase B permits. Graduate students can always “park down” in S or D spaces if they don’t find a conveniently located B parking space. Students can also save by purchasing D parking on an ongoing basis.

Anyone parking a motorcycle, motorized scooter or motorized bike (motorbike) is eligible to purchase a M (Motorcycle) permit. Valid M permits allow parking in motorcycle spaces only. Please refer to the webpage [Transportation and Parking Options for Graduate Students](http://ucsd.edu/transportation) for more information.

IMPORTANT POINTS OF CONTACT

**Graduate Student Affairs Staff**
- Laura Horton - Graduate Admissions Advisor - lkhorton@ucsd.edu
- Jessica Peurifoy - Master’s Program Advisor - jpeurifoy@ucsd.edu
- Kimber Worthy - PhD Advisor - kworthy@ucsd.edu
- Caesar Aceituno - Graduate Financial Assistant - caceitun@ucsd.edu
- Julia Nemeth - Graduate Program Manager - jnemeth@ucsd.edu

**Division of Graduate Education and Postdoctoral Affairs (GEPA)**
- Eliese Maxwell - Graduate Academics Affairs Advisor
  - Supports PhD Students with the following:
    - Final degree checks and conferral
    - Academic exception petitions
    - Enrollment and registration matters
    - Program Review Coordination

**HDSI Graduate Career Center**
- Kelly Jensen - Career Advisor and Alumni/Employer Outreach Specialist
  - kbjensen@ucsd.edu

**HDSI Industry**
- Kyle Hofer-Mora - Assistant Director for External Relations and Strategic Initiatives
- David Lightfoot - Administrative Assistant for External Relations
- Erik Mjoen - Industry Relations Manager
- Saura Naderi - K-14 Outreach Directory
UC San Diego Resources

GRADUATE DIVISION

The Division Of Graduate Education And Postdoctoral Affairs (GEPA) is the central resource for all matters related to graduate education and postdoctoral affairs at UC San Diego. Their website will help you navigate to many of the following resources, including, but not limited to:

- Financial Aid
- Student Life
- Graduate and Professional Student Association (GPSA) and their events
- International Students
- Information regarding the Office for Students with Disabilities
- Housing
- Students with Dependents
- Information for Student Health and Health Promotion Services
- Information for Counseling and Psychological Services
- Information regarding our Campus Community Centers, which build affinity among a diverse population of students, faculty and staff members
- Information on supporting the arts at UC San Diego
- The Hub Basic Needs Center at UC San Diego
- Sustainability Resource Center at UC San Diego
- Transportation and Parking
- IT Help
- Information and resources regarding academic and career advancement, as provided by:
  - The Geisel Library
  - The Writing Hub
  - Career Center
  - Division of Extended Studies
  - Grad Life
INTERNATIONAL STUDENTS AND PROGRAMS OFFICE (ISPO)

ISPO's team of expert staff provides the highest levels of knowledge and expertise in advising and immigration services to international students at UC San Diego. Advising topics include:

- F & J Visa Advising
- Working
- Traveling
- Taxes, SSN & Financial Resources
- Academic & English Resources
- Housing
- Health, Wellness & Recreation
- Tritons Impacted by Events Abroad
- Family & Dependents
- Driver License & Transportation
- Cultural Engagement & Diversity
- Safety & Legal Resources

OMBUDS

The Office of the Ombuds provides a confidential, safe space for students, staff, and faculty to talk about concerns and problem-solve issues arising from interpersonal and group conflict. Ombuds provides confidential, neutral, and informal dispute resolution services for the UC San Diego community.

They are available to assist faculty, staff, students, non-Senate academics, postdoctoral trainees, and employees of UC San Diego Health System (UC San Diego Medical Center and related facilities) who seek guidance with the resolution of academic or administrative issues and disputes. Its services supplement, but do not replace, other administrative processes at the University. They work to facilitate communication and assist parties in reaching mutually acceptable agreements in order to find fair and equitable resolutions to concerns that arise at the university.

To make an appointment, please call 858-534-0777.
OFFICE FOR STUDENTS WITH DISABILITIES (OSD)

The Office for Students with Disabilities (OSD) at UC San Diego works with Undergraduate, graduate, and professional school students with documented disabilities.

The OSD also works with a variety of departments and programs across campus to provide access to learning and internship opportunities for students with disabilities which opens doors to meaningful employment after graduation. In addition to Career Services, our Academic Internship Program connects students to opportunities where they can earn academic credit and real world skills that enable them to be more competitive candidates in the job market. The OSD also employs student staff with disabilities, training them in customer service, front and back office management, team building, and universal design in physical and electronic environments.

OSD provides support to students with disabilities regarding:

- Steps for a Successful Transition to UC San Diego
- Requesting Accommodations
- Authorization for Accommodation (AFA) Letters
- Types of Accommodations
- Academic Liaisons
- Reminders for Students Obtaining Accommodations
- General Differences Between K-12 Education and University Education
- Student Veterans
- Study Abroad
- Summer Session
- Forms & Guidelines
- Disability-Based Grievance Procedures

WRITING HUB

Graduate-level academic writing projects can be complex, long-term, and stressful. In the Writing Hub’s graduate facing programs, they build networks of support around graduate students to help them succeed in their writing, thrive in their programs, and achieve success in professional development and social/emotional well-being.

https://writinghub.ucsd.edu/for-grad-students/index.html
UC SAN DIEGO BASIC NEED RESOURCES

The HUB Basic Needs Center

Basic Needs refers to the most essential resources required to thrive as a student, which include access to nutritious food, stable housing, and financial wellness resources.

At The Hub Basic Needs Center (The Hub), we provide resource referrals for registered UC San Diego students from a collective of on-campus program collaborations and off-campus program partnerships in the greater San Diego area.

UC San Diego Basic Needs Initiatives is a collection of services provided by campus partners to work with both undergraduate and graduate students who have concerns with access to Basic Needs resources. The Hub's services are categorized by Food Security, Housing Resources, and Financial Wellness.

If you have concerns with access to one or more than one type of Basic Needs resource, please complete a Basic Needs Assistance Form.

PERSONAL CARE PRODUCTS AVAILABLE AT THE HUB:

- Soap (body & facial)
- Shampoo & conditioner (including natural hair care products)
- Toothbrush/toothpaste
- Menstrual products (including new sustainable products)
- Socks & blankets
- Laundry detergent pods

To access these FREE personal care products, please visit our Hygiene Product Google Form to select needed items and schedule an appointment time to collect those items at The Hub. Learn more at https://basicneeds.ucsd.edu/

Triton Food Pantry

Triton Food Pantry has taken direct actions to increase food security for UC San Diego undergraduate and graduate students through the creation of a spectrum of food resources for students to explore! This means having the availability of nutritionally adequate and culturally reflective safe foods, ability to acquire such foods in a dignified way, and accessibility to prepare meals.
THE ZONE

The Zone is a lounge for student well-being designed to promote healthy, balanced living to UC San Diego students. The Zone works to support students within the 8 Dimensions of Well-Being and offers free programs such as:

- Art & Soul
- Career Development
- Financial Literacy
- Healthy Cooking Demos
- Active Well-Being
- Tea Time
- Therapy Fluffies

Between programs, The Zone is a lounge space to relax, hang out, charge your devices, fill up your water bottle, study, and de-stress. Find us at the heart of campus!

Location: Price Center Plaza, next to Jamba Juice

Hours of Operation: Due to Price Center Plaza construction, The Zone will be CLOSED this summer.

Contact us: zone@health.ucsd.edu, (858) 534-5553

Instagram: @ucsdshw

A Collaborative Space

The Zone also serves as a resource center for the Student Health and Well-Being cluster. Stop by to learn more about all the offerings available to you at Counseling and Psychological Services, Student Health Services, and Health Promotion Services. The Zone is proud to be a one-stop well-being lounge that encourages discovery, exploration, awareness, and adoption of new and current well-being offerings that can affect positive and measurable behavioral changes in our UC San Diego Triton community.

COUNSELING AND PSYCHOLOGICAL SERVICES (CAPS)

What does CAPS offer?

Counseling and Psychological Services (CAPS) has been an integral member of the UC San Diego community since the late 1960’s. CAPS is accredited by the International Association of Counseling Services (IACS). CAPS' integrative and student-centered services are designed to support students towards their academic success and personal development and well-being while at UC San Diego. CAPS also curates this helpful resource page specifically aimed at supporting the unique needs of graduate and professional students. CAPS services include the following:

- High quality, culturally-sensitive, and confidential counseling services, including individual, couples, family and group counseling, crisis/urgent care interventions, and referral services FREE of charge.
- Psychiatric services and consultation.
● Psycho-educational workshops and drop-in forums grounded on the latest science of optimal well-being and peak performance to support students in their life and leadership skills acquisition.
● A Wellness Peer Education Program, nationally recognized as a model of best practice for empowering students to develop leadership and helping skills.
● Campus mental health and prevention programming focused on stigma-discrimination reduction and community-building.
● Student mentoring and advocacy.
● Outreach and consultation services to faculty, staff and University administrators.
● An APPIC-approved post-doctoral fellowship training program.

Registered undergraduate, graduate, and professional school students are welcome for all these services. During the summer, students who were enrolled the previous Spring quarter and are intending to return in the Fall quarter are eligible for services.

**When to Use CAPS**
Students also consult with CAPS about a variety of more specific personal, academic and relationship problems. No problem or concern is too big or small. Common issues students bring to CAPS are (but not limited to):

● Depression and suicidal thoughts
● Stress and anxiety
● Poor academic performance and study skills
● Roommate conflicts
● Homesickness and difficulty adjusting to the university
● Disappointing social relationships
● Alcohol and other substance use and abuse
● Difficulty in love relationships
● Loneliness and isolation
● Eating and body image problems
● Depression and suicidal thoughts
● Cultural identity
● Sexuality and sexual identity
● Family conflict
● Grief and loss

To schedule a counseling appointment, please call (858) 534-3755. For more information about appointments, please visit the appointments page.
For more information and resources, visit the Counseling and Psychological Services website.
CARE AT THE SEXUAL ASSAULT RESOURCE CENTER (SARC)

CARE at the Sexual Assault Resource Center is the UC San Diego confidential* advocacy and education office for sexual violence and gender-based violence (dating violence, domestic violence, stalking). CARE provides violence prevention education for the entire UC San Diego campus and offers free and confidential services for students, staff and faculty impacted by sexual assault, relationship violence and stalking.

*All communications with users of CARE services are privileged and confidential under California Evidence Code Sections 1010-1027, 1035.2 and 1037.2. Accordingly, employees in the CARE Office are not mandatory reporters under Title IX or the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act.

For more information, visit the CARE at SARC website.

COLLEGIATE RECOVERY PROGRAM

The UC San Diego Collegiate Recovery Program is for graduate and professional students who are looking for a support program to help them through their recovery journey. There are 12 Step Meetings, Smart Recovery Meetings and NA Meetings on or near campus. Our Recovery Program will be led by our Health Educator for Alcohol and other Drugs and various members within our Student Health and Well-Being Cluster (Health Promotions, Counseling and Psychological Services and Student Health Services) to provide a continuum of care for our students. We aim to have students in recovery feel supported while here at UC San Diego. Learn more at healthpromotion.ucsd.edu.

STUDENT HEALTH & WELL-BEING

Student Health Services at UC San Diego

Student Health Services (SHS) offers healthcare services for a variety of your medical needs. Their facility is located in the center of campus, just west of Library Walk and the Price Center Bookstore. All students paying registration fees have access to SHS. Their staff of physicians, nurse practitioners, registered nurses, optometrists, health educators, and other health care professionals is committed to helping students maintain healthy lifestyles. Most outpatient primary care medical services at SHS are provided to you at no cost while you are a registered student. https://studenthealth.ucsd.edu/

UC Student Health Insurance Plan (UC-SHIP)

UC SHIP is a student-focused benefits package for UCSD graduate and undergraduate students, including strong medical, behavioral health, pharmacy, dental, and vision care benefits. UC SHIP is compliant with the Affordable Care Act requirements and works to complement your care at the Student Health Services right on campus. Enrollment is automatic for registered students; waiver application is also available. https://myucship.org/uc-san-diego/
Financial Information

FUNDING OPPORTUNITIES
All incoming doctoral students for the HDSI Data Science program at UC San Diego are fully supported for a period of five years as long as they remain in good academic standing and maintain full-time enrollment of 12 units or more each quarter.

HDSI funds your first year during your research rotations. Support beyond year one is typically paid by your thesis advisor in the form of a Graduate Student Researcher (GSR) appointment, which includes salary, full registration fees and tuition (including health insurance), and non-resident supplemental tuition, if applicable. Teaching assistantships are an important part of graduate student training, and at least one quarter of teaching assistantship is required, beginning year two.

All support is contingent upon meeting employment eligibility requirements, maintaining full-time registration status (12 units/quarter in Fall, Winter and Spring), maintaining good academic standing and progress towards your PhD (includes coursework and research), and remaining within campus support time limits. If you receive a non-UC San Diego fellowship, we ask you to notify us immediately.

FELLOWSHIP DISTRIBUTION
Fellowships are one of the best ways to fund your graduate education. HDSI encourages all graduate students to apply for fellowships.

Fellowships provide financial support for graduate students to enhance an individual’s potential to develop into an independent scholar or professional without a payback obligation. Fellowships can provide mentored training experiences, fund independent research, support international travel, and cover educational/living expenses. Fellowships vary in amount and support time ranging from a couple of months to years; some awards are one-time and others are multi-year or eligible for renewal.

Please note that each applicant is responsible for determining their own individual eligibility for any fellowship. This includes but is not limited to reviewing which agencies participate in a funding opportunity announcement. Each applicant should also be aware of the provisions of the award and the requirements of the opportunity, which can be seen and reviewed throughout these pages and the hyperlinked websites. If the student contacts the Division after an internal deadline or within a few days of the agency deadline, a full review may not be possible. With this in mind, the Division highly encourages students to alert our staff of their intent to apply as far in advance as possible.

Please be aware that if the fellowship opportunity requires that you list your mentor as the Principal Investigator (PI) on the project, you will need to work with the Office of Contract & Grant Administration.
Types of Fellowships

There are two types of fellowships, internal (also known as intramural) and external (also known as extramural). Internal Fellowships can come from the University of California or a UC San Diego academic school, department, or program or the Division of Graduate Education and Postdoctoral Affairs. External Fellowships come from entities outside of the University of California and UC San Diego, such as the National Institutes of Health, National Science Foundation, American Association of University Women, Google, and Microsoft.

Search here for more information about fellowship opportunities available to UC San Diego graduate students.

Build a Team

Applying for fellowships can be a multifaceted process. Reach out to the contacts listed below to build support and gain momentum when applying for fellowships.

Mentor/Faculty Advisor

Students should work closely with their Mentor/Faculty Advisor to discuss which fellowships might provide the best growth opportunities or to craft the scientific portions of the student's fellowship application.

Faculty Advisor's Fund Manager

Some fellowship applications require a Kuali Research record. Kuali Research is an institutional system that tracks funding applications and awards. It also houses some accompanying compliance processes like Conflict of Interest forms. Because a student does not have an appointed fund manager, the student's faculty advisor's fund manager can assist with this institutional requirement. Fund managers can visit the Campus Partners Collab page for additional information on when and how to create a Kuali Research record for fellowship proposals.

Department/Program

When applying for fellowships, students should work closely with their academic home department/program. Department/program faculty and staff have the best knowledge of a student's financial support package and how a given award may affect their support levels.

GRADUATE FELLOWSHIP ADVISOR

The Graduate Fellowship Advisor in the Division of Graduate Education and Postdoctoral Affairs can help coordinate the submission and/or signatures of fellowship applications that require it. Please email gradfellowshipnoms@ucsd.edu with any questions.