



Fielding School of Public Health
Biostatistics



Entering Class 2026-2027
Student Handbook
MS & PHD

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Introduction



Welcome to the UCLA Department of Biostatistics!

Biostatistics is the discipline that develops and applies statistical theory and methods to questions in the life and health sciences. Biostatisticians bring advanced expertise in developing, applying, and interpreting statistical models to advance medical knowledge and address challenges in public health and medicine. Biostatisticians work alongside scientists, clinicians, and public health professionals across nearly every area of health research: from understanding how diseases develop to evaluating treatments and finding ways to improve population health.



The Department of Biostatistics offers M.S., M.D.S.H.*, and Ph.D. degrees. A degree in biostatistics prepares students for cutting-edge roles and in a wide variety of intellectually stimulating positions in government, industry, and academia. UCLA graduates have found intellectually dynamic and rewarding careers in diverse settings, including universities, the pharmaceutical and biotechnology sector, health care settings, statistical consulting, and federal and local government agencies. Their career paths also extend to data-intensive sectors such as professional sports, technology and e-commerce, and media and entertainment.

Students have opportunities to participate alongside faculty in collaborative research projects across a wide range of areas, including cancer, HIV, gerontology, genetics, immunology, dentistry, medical imaging, mental health, health policy, and clinical research.

Biostatistics is a rapidly growing field with a central role in advancing medical research and addressing global health challenges. UCLA has a strong record of training students both at the master's and doctoral levels. Our graduate programs combine a rigorous foundation in statistical theory with practical experience in data analysis and collaborative research, preparing students to contribute to scientific discovery and pursue diverse career paths.

We invite you to explore how UCLA Biostatistics can help you develop your interests, build your expertise, and shape your future.

Michele Guindani, PhD
Biostatistics Professor and Interim Chair
UCLA Fielding School of Public Health

Kate Crespi, PhD
Biostatistics Professor and Vice Chair
UCLA Fielding School of Public Health

* More information on the M.D.S.H. degree can be found at <https://mdsh.ucla.edu/>.

History and Mission

The UCLA Division of Biostatistics was established in 1959 as part of the newly created UCLA School of Public Health. Among its academic programs was the Ph.D. in Biostatistics, with the first degree awarded in 1963. In 1989, when the School of Public Health was reorganized from a single school-wide departmental structure into five departments, the Division became the Department of Biostatistics. The Department of Biostatistics was established to carry out these goals:

- To develop a first-rate graduate program in biostatistics filling a demonstrated need for well-trained biostatisticians.
- To develop biostatistical research programs responsive to the scientific problems encountered in public health and biomedicine.
- To actively collaborate with investigators at UCLA and worldwide in the solution of health problems.

The Department today is a leader in the training of biostatisticians for universities, government, and industry. The Department's research programs are highly respected nationally and internationally. Faculty members collaborate with investigators in diverse disciplines.

New Admit Checklist

Know your:

- UID (University ID)
- UCLA email address
- Single Sign On (SSO) credentials

Make sure to complete:

- **Photo and Release Form:** Download, sign, and email the photo release and the photo that you would like us to use for the Student Roster to:
F26_Ph0.5k1s1tlk2k47sih3@u.box.com
 - Use the following file naming format “Last Name First Name-Photo Release”
ex: “Bruin, Joe-Photo Release.” And
 - Download and sign the “English (Adult)” version [here](#).
- **Slack:** Join UCLA Slack if you have not already done so. Invitations were sent in the summer.
- **Social Media:** Follow UCLA Biostatistics on social media. While not mandatory, we hope you will follow the Biostatistics BlueSky, Facebook and Instagram feeds.
- **LinkedIn:** Create a LinkedIn profile if you do not have one already, and connect with UCLA Biostatistics on LinkedIn.
- **BruinCard:** Apply for your BruinCard at least 5 business days prior to Orientation.
- **Bruin Safe Online:** Install the app on your smartphone.
- **Test of Oral Proficiency (TOP):** For students whose first language is not English and wish to be employed as a Teaching Assistant in the future, be sure to sign up to take the TOP.
- **ESLPE:** International graduate students entering UCLA are required to take the ESLPE exam.

Department Location, Website, and Administration

Biostatistics Department
UCLA Fielding School of Public Health
Department of Biostatistics
Room 51-254, Center for Health Sciences (CHS) Building
650 Charles E Young Dr S, Los Angeles, CA 90095

Website: <https://ph.ucla.edu/departments/biostatistics>

Interim Dept. Chair: Michele Guindani
mguindani@g.ucla.edu
Office: 76-062B CHS

Vice Chair: Kate Crespi
ccrespi@ucla.edu
Office: 51-239 CHS

Dept. Administrator: Ruzanna Margaryan
rmargaryan@ph.ucla.edu
Office: 51-254A CHS, (310) 825-5370

Student Affairs (MS/PhD): Roxy Naranjo
rlnaranjo@ph.ucla.edu
Office: 51-236A CHS, (310) 267-2186

Academic Personnel
Coordinator: Neilu Modiri
nmodiri@mednet.ucla.edu
Office: 51-254A CHS, (424) 259-8150

Department Hours: Monday – Thursday 8:30AM-4:00PM
Friday 8:30AM- 2:30PM

Communication Tools and Software

Slack Channels

Along with email, Slack is a critical tool for program communication. Make sure to accept the invitation that was sent to join slack. Alternatively, please follow these steps to ask to join:

- Join the “UCLA Campus Community” slack workspace using your UCLA associated email at this link: <https://ucla.enterprise.slack.com/workspace/T01A144TVB8>
- Find your display name and change if desired (in bold next to your profile picture)
- Invitations have been sent. If you have not joined, email Roxy at rlnaranjo@ph.ucla.edu.

Social Media and Networking

- LinkedIn: <https://www.linkedin.com/company/uclabioestat>
If you do not have a LinkedIn profile, please create one. See LinkedIn help article: <https://www.linkedin.com/help/linkedin/answer/a554351>
- Instagram: [@uclabiostatistics](https://www.instagram.com/uclabiostatistics)
- Facebook: <https://www.facebook.com/uclabiostatistics>
- BlueSky: [@uclabioestat.bsky.social](https://bsky.app/profile/uclabioestat.bsky.social)

Important Websites

- Fielding School of Public Health: ph.ucla.edu
- Department of Biostatistics: ph.ucla.edu/departments/biostatistics
- MyUCLA: my.ucla.edu
- BruinLearn: <https://bruinlearn.ucla.edu/courses/288>
- Create IT ticket <https://ucla.service-now.com/> or call (310) 267-4357 (HELP) if you have any difficulty with the software requirements below

Logging into UCLA Systems: Single Sign On (SSO) and Multi-factor Authentication (MFA)

Many UCLA programs require that you use Single Sign-On and Multi-factor Authentication. To set this up, visit: <https://ociso.ucla.edu/services/multi-factor-authentication-mfa>

Zoom

Please follow the directions below or click [here](#) for directions with images to activate your account:

- [Log In](#) to create a UCLA Zoom account.
- [Download Zoom](#) for your computer. Note, you may also want to download on your mobile device.
 - In the Zoom App, Choose the "Sign In With SSO" button
 - Type "ucla" as the company domain

Adobe Reader and Adobe Creative Cloud

You are responsible for having Adobe Reader. UCLA Bruin Online (BOL) also offers students free access to Adobe Creative Cloud, which allows you access to Acrobat Pro, Photoshop Pro, and many other applications. For more information and instructions to access, visit: <https://ucla.onthehub.com/WebStore/ProductsByMajorVersionList.aspx>

UCLA Box

Cloud storage is provided to all students via Box. For more information on accessing your UCLA Box account, visit

<https://it.ucla.edu/services/email-calendaring-collaboration/box/individual-box-accounts>.

Campus Wi-Fi

There are different ways to get internet on campus. For information on Wireless Access points and how to connect to the internet, visit: www.it.ucla.edu/accounts/get-access/campus-wifi. During in-person classes and while in the CHS building, we recommend connecting to the wireless network, “eduroam.”

- Select “eduroam” from the list of available wireless networks
- You will be prompted to enter your username and password.
- Username is your full Bruin OnLine (BOL) email address (i.e. joebruin@ucla.edu). Simply typing “joebruin” will not let you connect.
- Password is your BOL password.

If "eduroam" gives you a hard time, FSPH also has a "medguest" WIFI, which will take you to a secure single sign-on webpage. You will sign in using your BOL username and password.

Biostatistics Student Affairs Office

The Student Affairs Officer (SAO) for the Biostatistics Department for students pursuing MS or PhD degrees is Roxy Naranjo. Her office room number is 51-236A CHS, phone number is (310) 267-2186 and her email is rlnaranjo@ph.ucla.edu.

If you have any questions about degree requirements or academic procedures, an excellent first step to get your questions answered or issues resolved is to contact Roxy Naranjo.

The Biostatistics Department's SAO works with students providing advice on how to get the most out of their graduate experience, navigating relationships with faculty, and the university's policies and procedures. The SAO's main responsibilities include helping students understand and comply with university rules and regulations and assisting them in navigating through administrative issues related to their degree. The SAO is a key resource for students to get assistance on all related student matters. In addition, the SAO also focuses on providing additional assistance to at-risk students who are struggling academically, personally, financially or mentally and helps them in finding targeted services to support them.

Biostatistics Faculty Advising

Students are assigned a faculty advisor prior to the beginning of their academic program. Students should initially contact their advisors to discuss their course of study and thereafter should stay in contact on a regular basis. Students are expected to meet with their advisors at least once per quarter to discuss academic progress, problems, and courses. Students may change advisors. A blue student petition should be used for this request. Approval by both the faculty member and the Biostatistics Department Chair must be obtained.

The Master of Science in Biostatistics (M.S.)

Preparation for the Degree:

Mathematics preparation for the program should include at least two years of calculus. The prior coursework should cover material similar to that in the following UCLA courses:

- | | |
|----------------------|---|
| ● Mathematics 31A, B | Calculus and Analytic Geometry |
| ● Mathematics 32A, B | Calculus of Several Variables |
| ● Mathematics 33A, B | Matrices, Differential Equations, Infinite Series |
| ● Mathematics 115A | Linear Algebra |

Requirements for the Degree:

All required and elective courses used toward the degree must be taken for a letter grade, with the exception of Biostatistics 402B, which is taken satisfactory/unsatisfactory. A typical course load is 12 units per quarter for first year students. It is recommended that you discuss with your academic advisor if you are considering taking a heavier course load

1. Course Requirements:

- | | |
|--|--|
| ● Biostatistics 200 A, B, C | Methods in Biostatistics |
| ● Biostatistics 202 A, B | Theoretical Principles of Biostatistics |
| ● Biostatistics 216 | Mathematical Methods for Biostatistics |
| ● Biostatistics 244 | Master's Seminar and Research Resources for Graduating MS Biostatistics Students |
| ● Biostatistics 402A | Principles of Biostatistical Consulting (2 units) |
| ● Biostatistics 402B | Biostatistical Consulting |
| ● Biostatistics 596 | Directed Individual Study or Research for Masters Report (4 units) |
| ● One 4-unit course in the Department of Epidemiology (either Epi100 or 200A) | |
| ● One 4-unit course addressing broad public health themes (PH C201 or HPM M242) | |
| ● A minimum of 24 units of electives in the Department of Biostatistics. The elective courses may be selected from Biostatistics 202C, 203A, 203B, 212-M215, 230-241 series, Biostatistics 406, 410, 411 and 413 (see page 47). Students may also apply for permission to use other courses, such as from the UCLA Department of Statistics, as electives by requesting permission via a blue petition (see page 47) in advance of taking the course (see page 54 for some possible courses in the Department of Statistics). No more than one 4-unit course from the 400 series can count towards the minimum 24 units of electives for the degree. | |

2. Master's Report:

A written Master's Report, prepared under the supervision of a member of the Biostatistics faculty, is required for completion of the degree. Students should begin considering potential report topics at the start of their second year and identify a faculty member to supervise their

report by Winter Quarter. During Spring Quarter of the second year, students enroll in Biostatistics 596 with their supervising faculty member and in Biostatistics 244, which provides guidance and support for preparing the report. The completed report must be submitted and approved by the end of Spring Quarter (Friday of finals week). For specific deadlines, see page 36. Examples of Masters Reports from recent graduates are available for review in BOX and in the Massey Library.

3. Comprehensive Examination:

The Comprehensive Exam is a written exam administered in September at the beginning of the second year of study. The exam covers material from Biostatistics 200A, 200B, 200C, 202A, and 202B. Students must pass the exam as a requirement of the M.S. degree and are allowed a maximum of 2 attempts.

Failure to achieve a passing score on the MS Comprehensive Examination after two attempts will result in the department recommending the student to the Graduate Division for academic disqualification.

Advising Notes:

Every student is assigned an academic advisor who is a faculty member of the Department of Biostatistics. Students should meet with their advisor prior to the beginning of each quarter to discuss course selections.

Students who have adequate prior background may petition to waive one or more required courses. Waiving out of a course requires approval from the student's academic advisor and the department chair. However, the material from those courses will still be included in the required MS comprehensive exam. Additionally, the waived units must be replaced by other graduate-level courses (200 level or above) and taken for a letter grade.

UCLA students in the M.S Program in Biostatistics who are considering further study in the Ph.D. Program should see page 29 for additional information.

Example of Sequence of Classes for the M.S. Program in Biostatistics

This sequence of classes is intended to serve only as an example of a two-year M.S. Program in Biostatistics. Students should meet with their faculty advisors to select electives which best suit their interests and goals.

	Fall	Winter	Spring
Year 1	Biostatistics 200A Biostatistics 216 Biostatistics 203A and/or Public Health C201	Biostatistics 200B Biostatistics 202A Biostatistics 203B and/or Biostatistics elective	Biostatistics 200C Biostatistics 202B Biostatistics 402A Epidemiology 100 or Biostatistics elective
	- M.S. Comprehensive Exam – Administered at the beginning of Fall Quarter of Year 2 Scope of exam: Biostatistics 200A, B, C, 202A, B (see page 16)		
Year 2	Biostatistics elective Biostatistics elective or Public Health C201 (if not previously taken) Biostatistics 402B*	Biostatistics elective Biostatistics elective Biostatistics elective	Biostatistics 244 Biostatistics 596 Epidemiology 100 (if not previously taken) Biostatistics elective
	* Biostat 402B is taken once during the second year (the quarter is determined at the beginning of Fall Quarter). Courses that count toward the Biostat elective requirement are courses in the 200 series with course numbers of 203 and above, and no more than one course from the 400 series.		

Advancement to Candidacy

Advancement to Candidacy (ATC) is the formal process by which an M.S. student is approved to proceed toward completion of the degree after making satisfactory progress in the program and meeting the applicable academic requirements. For M.S. students, advancement to candidacy is an administrative and academic milestone that indicates that the student is in good standing and has completed, or is on track to complete, the requirements needed to earn the degree.

M.S. students who wish to graduate in Spring Quarter must petition for Advancement to Candidacy prior to the deadline. This deadline will be announced at the graduation workshop, which will be held in February. If you miss the workshop, petitions for Advancement to Candidacy can be picked up in the Student Affairs Office, Room A1-269 CHS. The forms must be completed and returned to the Student Affairs Office. Please be sure to complete all required information and follow special instructions per the direction on the forms or by the Student Affairs Office Staff.

Students who wish to graduate in the fall or winter quarters must petition for Advancement to Candidacy prior to the end of the second week of the chosen quarter. The Student Affairs Office posts the specific deadlines.

Competencies for the M.S. Program in Biostatistics

Upon graduation, a student with an M.S. degree in Biostatistics should have acquired the following competencies:

1. Demonstrate mastery of the foundations of probability theory and biostatistical concepts.
2. Examine foundations of linear and generalized linear statistical models.
3. Employ computational methods of applied regression to analysis of biomedical data sets.
4. Provide effective biostatistical advice in collaborative research projects.
5. Communicate results of biostatistical research both orally and in writing.

The Doctor of Philosophy in Biostatistics (Ph.D.)

Preparation for the Degree:

Mathematics preparation for the program should include at least two years of calculus. The prior coursework should cover material similar to that in the following UCLA courses:

- Mathematics 31A, B Calculus and Analytic Geometry
- Mathematics 32A, B Calculus of Several Variables
- Mathematics 33A, B Linear Algebra & Applications, Differential Equations
- Mathematics 115A Linear Algebra

UCLA students in the M.S. program in Biostatistics who are considering further study in the Ph.D. program should see page 29 for additional information.

Requirements for the Degree:

Required courses must be taken for a letter grade (except Biostatistics 245 & 409). A typical course load is 12 units for first year students. It is recommended that you consult with your academic advisor if you are considering taking a heavier course load.

1. Course Requirements:

- | | | |
|--|--|--|
| • Mathematics 131A | Real Analysis | Must be taken in year 1 by students with limited or no prior experience with real analysis |
| • Biostatistics 200 A, B, C | Methods in Biostatistics | |
| • Biostatistics 216 | Mathematical Methods for Biostatistics | |
| • Biostatistics 202A, B | Theoretical Principles of Biostatistics | |
| • Biostatistics 250A, B | Linear Models | |
| • Biostatistics 250C | Multivariate Biostatistics | |
| • Biostatistics 257 | Statistical Computing | |
| • Biostatistics 245 | Advanced Seminar: Biostatistics | Required every quarter starting the second year of graduate study at UCLA |
| • Biostatistics 246 | Doctoral Student Seminar | Must be taken twice before taking the oral qualifying exam. |
| • Biostatistics 409 | Doctoral Biostatistical Consulting Seminar | Required for two consecutive quarters before advancement to candidacy. |
| • One 4-unit course in Epidemiology (either Epi 100 or 200A) | | |
| • One 4-unit course in broad public health themes (PH C201 or HPM M242) | | |
| • Minimum of 6 4-unit elective biostatistics courses (24 units). Elective courses may be selected from Biostatistics 202C, 210, 213 and higher-numbered courses in the 200 series. With approval through a formal “blue petition” process, students may also | | |

apply courses in Statistics and Biomathematics toward the six-course elective requirement. See page 54 for a list of some possible courses.

2. Ph.D. Written Preliminary Examination:

Ph.D. students are required to pass a written Preliminary Examination, also referred as the Ph.D. screening exam. This exam is offered once each year in September, shortly before the beginning of Fall Quarter, and covers material from Biostatistics 200A, 200B, 200C, 202A, and 202B.

Students normally take this exam at the beginning of their second year of study, after satisfactorily completing the relevant coursework. The same exam is taken by Biostatistics M.S. students as the M.S. Comprehensive Examination; however, Ph.D. students must achieve a performance level indicating readiness for advanced doctoral coursework and a reasonable likelihood of successful completion of the Ph.D. program.

Students are allowed a maximum of two attempts to pass the examination at the doctoral level. **Failure to achieve a passing score after two attempts will result in the department recommending the student to the Graduate Division for academic disqualification.**

Students who are admitted to the Ph.D. program from the UCLA Biostatistics M.S. program whose performance on the M.S. comprehensive exam was at the doctoral level are not required to retake this exam.

3. Oral Qualifying Exam (Dissertation Proposal):

The oral qualifying exam evaluates the student's understanding of statistical theory, ability to apply the theory, and the proposed dissertation topic. As part of the oral qualifying exam, the student must prepare a written dissertation proposal and present and defend the proposed work in front of their dissertation committee.

Students work with a dissertation advisor to prepare the dissertation proposal. Students are encouraged to learn about the research of faculty members in the department in order to find an advisor who is a good fit for their interests and will be given opportunities to do so. The faculty member and student need to mutually agree to the advisor-advisee relationship. Students should **have an agreed-upon dissertation advisor within 1 quarter of completing required coursework**. During or before the quarter when the student is completing core coursework, the student should meet with their academic advisor to formulate a plan for choosing a dissertation advisor. Students should generally switch to this advisor as their joint academic/dissertation advisor as soon as the decision is made.

The **dissertation committee** is formed in consultation with the student's dissertation advisor, who serves as chair of the committee, and should consist of 4 faculty members. Rules apply as to which faculty may serve on the committee, and students should check with the Student Affairs Officer to confirm that the committee is appropriately composed. For the form and regulations on how to form the doctoral committee, see: <https://grad.ucla.edu/gasaa/library/docnomin.pdf>

The **dissertation proposal** should include background, preliminary work, and a research plan for carrying out the work. While there are no absolute page requirements, the proposal is typically 25-50 pages with additional pages for figures and references.

The proposal should be distributed to members of the dissertation committee in advance of the exam. Generally, the proposal is expected to be delivered to committee members at least two weeks before the scheduled oral exam. If the student expects that the proposal will be delivered less than two weeks before the exam, the student should check with each committee member for advance approval.

During the oral exam, the student presents and defends the proposed work. The student can expect that most of the questions will pertain to the proposal; however, additional questions may be asked to assess general understanding of biostatistical principles. The overall objective of the exam is to evaluate whether the student has the ability and adequate plans for conducting Ph.D. dissertation research.

The committee will provide feedback to the students on their proposal using the Ph.D. **Dissertation Proposal Evaluation Rubric** (see *rubric below*). This rubric outlines important expectations for the proposal and students are advised to review this rubric while writing their proposal and preparing for the oral qualifying exam.

Students **without** a prior master's degree or equivalent in Biostatistics are expected to take the Oral Qualifying Examination within the first three years of their PhD study. Students **with** a prior master's degree in Biostatistics from UCLA are expected to take the Oral Qualifying Examination within the first two years of their PhD study.

The earliest that a student can take the Oral Qualifying Exam is during the quarter in which the degree course requirements and elective course requirements are being completed.

Passing this examination is required before a student is officially advanced to candidacy. A failed oral qualifying exam may be repeated once on the recommendation of the committee.

Notice for Ph.D. Applicants who are either currently in the UCLA Biostatistics M.S. program or recent graduates of the program

Current UCLA Biostatistics M.S. students who plan to apply for admission to the Ph.D. program should take Mathematics 131A during their M.S. program.

The following applies to students who enter the UCLA Biostatistics Ph.D. having completed the UCLA Biostatistics M.S. program:

- **Sequence of coursework:** Students who hold a UCLA Biostatistics M.S. program typically begin their Ph.D. program with year 2 course work on the chart on page 28.
- **Electives:** Up to 3 courses that were previously taken as Biostatistics electives for the M.S. degree may be applied toward the Ph.D. requirement of 6 elective courses, if the courses also qualify as electives for the Ph.D. program.
- **Ph.D. written Preliminary Exam:** The M.S. Comprehensive Exam and the Ph.D. Preliminary Exam are the same exam; however, Ph.D. students are required to pass this exam at the doctoral level. Students whose performance on the M.S. comprehensive exam was at the doctoral level are not required to retake this exam.
- **Epi/PH course requirements:** Students who fulfilled the requirement of one 4-unit course in Epidemiology and one 4-unit course in broad public health themes during their UCLA Biostatistics M.S. program are exempt from these requirements for the purposes of the Ph.D. program.

Student's name _____

Date of oral exam _____

EVALUATION RUBRIC: Ph.D. Dissertation Proposal

The purpose of this rubric is to provide students with feedback and guidance on their dissertation proposal. After the oral presentation, the committee will deliberate, and the committee chair will complete this form and share the feedback with the student.

After incorporating any modifications suggested by the committee during the course of the exam, the following criteria are met:		On this criterion, the student showed	
		Need for substantial improvement	Substantial strength
1. The proposed dissertation identifies a problem whose solution would make a substantive statistical/scientific contribution.	Y/N		
2. The proposed approach is appropriate and likely to produce a useful answer to the problem.	Y/N		
3. The student has demonstrated sufficient technical command of the material to conduct the proposed work, or has a feasible plan to obtain the necessary skills.	Y/N		
4. The student has demonstrated sufficient understanding of the relevance of their research in the wider context, or has a feasible plan to obtain such understanding.	Y/N		
5. The written proposal clearly conveys the problem, proposed statistical methodology and broader context.	Y/N		
6. During the oral presentation, the student is able to explain the problem and proposed approach in a manner that is clear to both statistical and non-technical audience members.	Y/N		
7. The proposed plan for future work is feasible in terms of scope and timeframe.	Y/N		

Final Assessment:

- ☐ Pass
- ☐ Not pass (separate written communication required)

Committee chair: _____

Committee members: _____

4. Annual progress meetings:

After advancing to candidacy, students must meet with their committee annually to present their dissertation progress. These meetings typically take place during the spring quarter. The first annual meeting should occur in the academic year following the year in which the student advanced to candidacy. For example, if a student advances in Fall, Winter, or Spring of the 2026–2027 academic year, or in Summer 2027, the first meeting would be held in Spring quarter of the 2027–2028 academic year. Students who schedule their final defense for spring quarter are not required to hold an annual meeting that year.

This meeting is expected to be no more than one hour in length including committee deliberations and may be held virtually (e.g., by Zoom). The student should prepare an oral presentation. A written document is not required. The committee will evaluate the adequacy of the student's progress, make recommendations, and help set goals for future progress.

5. Ph.D. Dissertation and Oral Defense:

The Ph.D. dissertation is original research that advances the field of biostatistics. The dissertation is completed under the guidance of a Biostatistical faculty member who serves as the adviser. Examples of dissertations from previous graduates are available in the Biostatistics Library. After successfully completing a dissertation, an oral examination defending the dissertation is conducted by the dissertation committee. A failed examination may be repeated once on the recommendation of the committee.

Example: Ph.D. Timeline of Key Milestones

Milestone	Timeline
PhD preliminary exam	Fall of Year 2
Select dissertation advisor	Within 1 quarter of completing core coursework
Oral qualifying exam (Dissertation proposal)	Within 3 quarters of completing core coursework (Note: students must have completed or be currently enrolled in all required coursework in order to take the oral qualifying exam that quarter.)
Committee check-in meetings	Annually, ongoing
Dissertation final defense	Within 6 quarters of passing oral qualifying exam

Example of Sequence of Classes for the Ph.D. Program in Biostatistics

This sequence of classes is intended to serve as a guide for students in the Ph.D. program. Students should meet with their advisor to determine the optimal course sequence and to select electives which best suit their interests and goals. The sequence of classes to be taken during the first year of study depends on the student's background. Entering Doctoral students should consult with their academic advisor to determine a sequence of courses to best prepare the student for the written preliminary exam.

	Fall	Winter	Spring
Year 1	Biostatistics 200A Biostatistics 216 Public Health C201 or Biostatistics 203A* or Mathematics 131A	Biostatistics 200B Biostatistics 202A Biostatistics 246 Biostatistics 203B* or Mathematics 131A	Biostatistics 200C Biostatistics 202B Epidemiology 100 Mathematics 131A
	- Ph.D. Preliminary Examination - Given at the beginning of Fall Quarter – Scope of exam: 200A, B, C, 202A, B (see pg. 21)		
Year 2	Biostatistics 250A Biostatistics 245 Biostatistics elective	Biostatistics 250B Biostatistics 245 Biostatistics 246 Biostatistics elective	Biostatistics 250C Biostatistics 257 Biostatistics 245
Year 3	Biostatistics elective Biostatistics 409 Biostatistics 245 Public Health C201 or Biostatistics elective	Biostatistics elective Biostatistics 409 Biostatistics 245	Biostatistics elective or Epidemiology 100 Biostatistics 245

* Preparation for doctoral computing courses. Please note that 203AB cannot be used to satisfy the 24-unit elective requirement.

Advancement to Candidacy

Advancement to Candidacy (ATC) is a required milestone in the Ph.D. program. It marks the transition from completion of the program's required coursework and examinations to the dissertation phase of doctoral study.

Before advancing to candidacy, students must form their Doctoral Dissertation Committee. Students should first schedule a brief 10–15-minute meeting with Roxy Naranjo to discuss their proposed committee membership and review the committee nomination process. The committee is formally nominated by completing the [Nomination of Doctoral Committee](#) form and submitting it to Roxy Naranjo.

Students normally form their Doctoral Dissertation Committee after completion of the required coursework, or during the term completing the last required courses. Information about Graduate Division requirements for doctoral committees is available on the Graduate Division website <http://www.gdnet.ucla.edu/gasaa/library/degreeinfo.htm#Doctoral>.

After the Doctoral Dissertation Committee has been formally approved by the Graduate Division, the student may schedule the Oral Qualifying Examination. Successful completion of the Oral Qualifying Examination results in Advancement to Candidacy.

Students are responsible for coordinating with all committee members to identify a mutually acceptable date and time for the Oral Qualifying Examination. They must notify Roxy Naranjo of the scheduled examination at least two weeks in advance. Students should also reserve a room for the examination by contacting Neilufar Modiri at nmodiri@mednet.ucla.edu.

Following Advancement to Candidacy, students are responsible for paying the applicable Advancement to Candidacy fee through BruinBill.

Competencies for the Ph.D. Program in Biostatistics

Upon graduation, a student with a Ph.D. degree in Biostatistics should have acquired the following competencies:

1. Demonstrate mastery of advanced theory and applications of statistical models.
2. Develop algorithms to implement advanced biostatistical methodologies.
3. Present effective seminars on biostatistical research and research in public health sciences.
4. Promote effective use of biostatistics in collaborative team research on public health problems.
5. Develop original research in the theory/methodology of biostatistics and demonstrate its application in a substantive field.

Academic Calendar 2026-2027

The academic calendar for the current and future years is available at
<https://registrar.ucla.edu/file/5c5310d0-232b-4621-82ef-a3dc71b9715b>

FALL QUARTER 2026	
Quarter begins	Monday, September 21
Instruction begins	Thursday, September 24
Study List deadline (becomes official)	Friday, October 9
Veterans Day holiday	Wednesday, November 11
Thanksgiving holiday	Thursday-Friday, November 26-27
Instruction ends	Friday, December 4
Common final exams	Saturday-Sunday, December 5-6
Final examinations	Monday-Friday, December 7-11
Quarter ends	Friday, December 11
Christmas holiday	Thursday-Friday, December 24-25
New Year's holiday	Thursday-Friday, December 31-January 1
Winter campus closure	TBD
WINTER QUARTER 2027	
Quarter begins	Monday, January 4
Instruction begins	Monday, January 4
Study List deadline (becomes official)	Friday, January 15
Martin Luther King, Jr. holiday	Monday, January 18
Presidents' Day holiday	Monday, February 15
Instruction ends	Friday, March 12
Common final exams	Saturday-Sunday, March 13-14
Final examinations	Monday-Friday, March 15-19
Quarter ends	Friday, March 19
SPRING QUARTER 2027	
Quarter begins	Wednesday, March 24
César Chávez holiday	Friday, March 26
Instruction begins	Monday, March 29
Study List deadline (becomes official)	Friday, April 9
Memorial Day holiday	Monday, May 31
Instruction ends	Friday, June 4
Common final exams	Saturday-Sunday, June 5-6
Final examinations	Monday-Friday, June 7-11
Quarter ends	Friday, June 11

Tentative Biostatistics Course Schedule 2026-2027

For the most updated course schedule information and classroom assignments, visit:

<https://sa.ucla.edu/ro/Public/SOC>

Fall 2026

<u>Course</u>	<u>Title</u>	<u>Instructor</u>	<u>Time/Day</u>
Biostat 200A	Methods in Biostatistics A	S.Li	TR 8-9:50am
Biostat 201A	Introduction to Biostatistics	J. Zoller	TR 1-2:50pm
Biostat 203A	Introduction to Data Management and Statistical Computing	C.Ramirez	MW 1-2:20pm
Biostat 211A	Topics in Applied Regression	T. Belin	MWF 9-9:50am
Biostat 214	Finite Population Sampling	S. Banerjee	TR 10-11:50am
Biostat 216	Mathematical Methods for Biostatistics	J. Xu	TR 10-11:50am
Biostat 218	Observational Health Data Science and Informatics	M. Suchard	Varies
Biostat M236	Longitudinal Data	J. Xu	T 1-1:50pm R 1-2:50pm
Biostat 245	Advanced Seminar: Biostatistics	D. Telesca	MW 3-4:50pm
Biostat 250A	Linear Statistical Models	W. Wong	M 3-4:50pm W 1-1:50pm
Biostat 402B	Biostatistical Consulting	F.Yu	T 3-4:50pm
Biostat 409	Doctoral Statistical Consulting Seminar	S.Li	M 10-11:50am

Winter 2027 (Tentative)

Biostat 121	Biostatistics in Public Health	J. Zoller	TBD
Biostat 200B	Methods in Biostatistics B	A. Holbrook	MWF 11-11:50pm
Biostat 201B	Introduction to Biostatistics	J. Zoller	MW 1-2:50pm
Biostat 202A	Mathematical Statistics A	D. Senturk	M 1-2:50pm W 1-1:50pm
Biostat 203B	Introduction to Data Science in R	H. Zhou	T 3-4:50pm R 3-3:50pm
Biostat 211B	Topics in Applied Regression	J.Zoller	MWF 9-9:50am
Biostat 231	Statistical Power and Sample Size Methods for Health Research	C. Crespi	T 1-2:50pm R 1-1:50pm
Biostat 245	Advanced Seminar: Biostatistics	D. Senturk	MW 3-4:50pm
Biostat 246	Doctoral Students Seminar	M.Guindani	MW 3-4:50pm
Biostat 250B	Linear Statistical Models	W. Wong	M 3-5pm W 1-2pm
Biostat 409	Doctoral Statistical Consulting Seminar	M.Guindani	T 8-9:50pm

Spring 2027 (Tentative)

Biostat 100	Introduction to Biostatistics	M. Lee	MW 8-9:50am
Biostat 200C	Methods in Biostatistics C	J. Zhou	T 10-11:50am R 10-10:50am
Biostat 202B	Mathematical Statistics B	D.Senturk	M 10-11:50am W 10-10:50am
Biostat M215	Survival Analysis	G.Li	T 10-11:50am R 10-10:50am
Biostat M235	Causal Inference	F. Stoffi	TBD
Biostat M279	Optimal Design Theory and Application	W. Wong	TBD
Biostat 244	Master's Seminar & Research Resources for Graduating Biostatistics MS Students	C. Ramirez	TR 1-2:50pm
Biostat 245	Advanced Seminar: Biostatistics	M.Guindani	WF 3-4:50pm
Biostat 250C	Multivariate Biostatistics	D.Telesca	M 1-2:50pm W 1-1:50pm
Biostat M257	Computational Methods for Biostatistical Research	H. Zhou	T 1-2:50pm R 1-1:50pm
Biostat 402A	Principles of Biostatistical Consulting	S.Li	F 1-2:50pm
Biostat 406	Applied Multivariate Biostatistics	D. Telesca	TR 4-5:20pm

Academic Standards and Procedures at UCLA

General Information

General regulations concerning graduate courses, standards of scholarship, disqualifications, appeals, leave of absences, normal progress toward degree, withdrawals and other matters can be found at: <https://grad.ucla.edu/gasaa/library/spfgs.pdf>

The site also provides detailed information and sets forth general policies regarding completion of degree requirements, master's and doctoral committees and examinations.

The school-wide Fielding School of Public Health Student Affairs Office provides oversight and guidance of school-wide and departmental graduate program affairs, including admissions processing, degree processing, class scheduling, funding, orientation and graduation preparations, and general counseling to prospective, new and continuing students. Hours and Location: Monday-Friday 10:00am-3:00pm. Room 16-068 Center for Health Sciences. Phone Number: (310) 825-5524.

English as a Second Language

All international graduate students are required to take the ESLPE. You were notified as part of your admissions offer from the university if you are required to take the ESLPE. For an explanation of the requirement, see “English Language Proficiency” in the [UCLA Catalog](#) and visit the Writing Requirement for International Graduate Students [here](#).

Full-Time Student Status

To be considered a full time UCLA graduate student, students must be enrolled for a minimum of 8 units per quarter. Students holding GSR, teaching assistantship, or special reader positions must be enrolled for a minimum of **12 units**.

Academic Disqualification and Appeal

A graduate student may be disqualified from continuing in the graduate program for a variety of reasons. One reason is failure to maintain the minimum cumulative GPA of 3.0. The conditions when that could happen and procedures for appeal are described at <https://grad.ucla.edu/gasaa/library/spfgs.pdf>. Students feeling academically challenged should consult with their advisers.

Academic Integrity

With its status as a world-class research institution, it is critical that the University uphold the highest standards of integrity both inside and outside the classroom. As a student and member of the UCLA community, you are expected to demonstrate integrity in all of your

academic endeavors. Accordingly, when accusations of academic dishonesty occur, The Office of the Dean of Students is charged with investigating and adjudicating suspected violations. Academic dishonesty includes, but is not limited to, cheating, fabrication, plagiarism, multiple submissions or facilitating academic misconduct. For more information, visit: <https://www.deanofstudents.ucla.edu/Academic-Integrity>.

Leave of Absence

Continuing graduate students in good academic standing (3.0 GPA or above) who have completed at least one quarter of academic residence at UCLA may petition to take a leave of absence if approved by the Home Department and the Graduate Division. Graduate students are allowed a maximum of three quarters of official leave of absence. Federal policy governing students on F-1 and J-1 visas restricts leaves of absence to certain conditions. To petition for a leave of absence, fill out a “Leave of Absence Request” form, and submit it to the SPH Student Affairs Office.

For more details: <http://www.gdnet.ucla.edu/gasaa/library/loa.htm>

Filing Fee

The filing fee is used for filing a dissertation or thesis and/or formal final examination for the doctoral or the master’s degree when a candidate has completed all other degree requirements. Graduate students who meet the criteria listed on the Filing Fee Application can apply for a Filing Fee and pay a nominal fee in lieu of standard tuition and registration fees. Filing Fee is intended for students who are in good academic standing and who have completed all degree requirements except for filing their dissertation or thesis, submitting their capstone project, or taking their comprehensive exam. While on Filing Fee status, a student may no longer: take courses, be employed by UCLA, receive financial support, or access certain campus services. Please refer to the [Status and Filing Fee Eligibility Flow Chart](#) to assist with determining eligibility for Filing Fee usage.

For detailed information on the filing fee requirements and to access the Filing Fee application, visit: <https://grad.ucla.edu/academics/graduate-study/filing-fee-application/>.

Students may use the Filing Fee application only if they were registered for the previous academic term and satisfy the eligibility criteria.

Students may only apply, pay and be on a filing fee one time.

Health & Wellness

Arthur Ashe Student Health and Wellness Center

All registered graduate students may use the Arthur Ashe Student Health and Wellness Center; an outpatient clinic geared to the needs of students at UCLA. The Ashe Center offers a full range of clinical and support services, most of which are prepaid by student registration fees. The clinical staff is composed of highly qualified doctors, nurse practitioners, and nurses.

<https://www.studenthealth.ucla.edu/>

Mental Health Resources: Counseling and Psychological Services (CAPS)

UCLA has resources to help support you through challenging times. If you ever need someone to talk to and would prefer to speak with a professional, the UCLA Counseling & Psych Services team is more than equipped to be that someone for you. The center provides confidential individualized therapy and psychiatric care, provided by a diverse and multicultural competent professional staff. CAPS is a warmly welcoming environment located centrally on the UCLA campus. CAPS also provides a range of programs to promote mental health, emotional resilience and wellness throughout the campus community. The 24-hour telephone access line is (310) 825-0768. Crisis counseling is available 24-hours a day by phone. Visit: <https://counseling.ucla.edu/>.

The Biostatistics Department is here to support you. If you ever need anything or don't know where to start, reach out to Roxy Naranjo your SAO, or any of the faculty members, who will be there to help you and guide you to connect you with campus resources.

Exercise and Recreation

Students can obtain a gym membership for free starting the first day of fall quarter. UCLA Recreation offers state-of-the-art fitness workouts, masters swim workouts, intramural and club sports, dozens of recreation classes, water sports at the Marina Aquatic Center, and open recreation at most campus facilities. Across from the Ackerman Student Union, you will find the Wooden Fitness Center. The BruinCard is required to enter the Center. This facility offers many different types of fitness and recreation classes, as well as various exercise machines and a full weight room. For information, contact Cultural and Recreational Affairs (310) 825-3701 or visit www.recreation.ucla.edu.

Medical Insurance Requirement / Waiving Ship

As a condition of registration, the University requires that all graduate and professional students, including international students on non-immigrant visas, have medical insurance coverage that meets the University's minimum requirements. Contact the Insurance Office

on the fourth floor of the Arthur Ashe Student Health and Wellness Center for details regarding the campus Student Health Insurance Plan.

<https://www.studenthealth.ucla.edu/insurance>

Center for Accessible Education (CAE)

The UCLA Center for Accessible Education (CAE) provides services designed to meet the unique educational needs of regularly enrolled, matriculated students with documented permanent and temporary disabilities. CAE provides access to the numerous educational opportunities available to students on our campus and empowers students to realize their academic potential.

To obtain disability-related accommodation and services through the CAE, students should complete a Request for Services form and upload appropriate documentation. Students may also download and complete a printable version of the Request for Services form and email or fax it to the CAE at (310) 825-9656. For more information visit: <https://www.cae.ucla.edu/>

Services are designed to meet the unique educational needs of regularly enrolled students with documented permanent and temporary disabilities.

Graduate Student Resource Center

For academic support, the UCLA Graduate Student Resource Center offers many resources for students, including writing and public speaking workshops. <https://gsrc.ucla.edu/>

Campus Safety

UCLA Bruins Safe Online

Bruins Safe is an essential tool to enhance your safety at UCLA. The app will send you important safety alerts and provide instant access to campus safety resources. BruinsSafe is the official mobile safety app of UCLA. We strongly encourage you to install the app on your smartphone. <https://bso.ucla.edu/>

Bruins Safe benefits include:

- Safety notifications: Receive instant notifications and instructions from campus safety when on-campus emergencies occur.
- Emergency help: Contact campus safety staff quickly for help in an emergency.
- Campus safety resources: Access all important safety resources in one convenient app.

To report an emergency, call 911. Non-emergency calls can be reported to the UCLA Police Department at (310) 825-1491 (<https://police.ucla.edu/>). The UCLA Police Department offers a variety of information on community outreach, crime prevention, and safety and security services.

Campus Escort Service

Campus Security Officers are available for a walking escort free of charge to students, faculty, staff, or visitors 365 days a year from dusk until 1 a.m. The campus escort services are provided between campus buildings, local living areas, and the Westwood Village within the approximate boundaries of Sunset Boulevard to the north, Hilgard Avenue to the east, Wilshire Boulevard to the south, and Veteran Avenue to the west. You may call the provided number for a campus escort. Please allow fifteen to twenty minutes for your campus escort to arrive. <https://police.ucla.edu/cso/evening-escorts> or **(310) 794-WALK**

UCLA SafeRide

The UCLA SafeRide provides a safe means of transportation around campus during **evening hours M-F**. The vans provide transportation between campus buildings, on-campus housing, and nearby residential areas. The service is free for UCLA students, employees, and visitors. Route maps and link to downloadable app are available: <https://transportation.ucla.edu/getting-around-campus/nighttime-safety-mobility>

Office of Inclusive Excellence

The Office of Inclusive Excellence (OIE) at the UCLA Fielding School of Public Health leads initiatives that promote goals and values at the core of the school's mission — fostering a community where all students, staff, and faculty can succeed and contribute; and preparing public health leaders equipped to meet the challenges of working in global and fast-evolving environments. Through wide-ranging efforts, the office strives to implement initiatives that support individual achievement while ensuring everyone could reach their full potential. <https://ph.ucla.edu/about/administrative-offices/office-inclusive-excellence>

Title IX/Sexual Harassment

Every member of the University community should be aware that the University will not tolerate sexual harassment and that such behavior is prohibited both by law and by university policy. The University will take whatever action is necessary to prevent and correct such behavior and, if appropriate, discipline persons whose behavior violates this policy. For more information on disciplinary actions, visit the website of the Dean of Students <https://deanofstudents.ucla.edu/>.

Any student who believes that they have been sexually harassed may contact a Sexual Harassment Information Center counselor for help and information. Complete details on contacting a counselor and a link to the complete UC policy on sexual harassment are available on the Dean of Students' website. Scroll down to "Student Conduct" and then select "Responding to Reports of Sexual Harassment."

Emergency Situations and Emergency Preparedness

No one knows when an emergency will occur, so everyone should understand basic safety practices. Be prepared to respond safely to fire, earthquake, or other emergency situations. For more information visit Student Affairs Emergency Preparedness: <https://emergency.studentaffairs.ucla.edu/>.

Parking & Transportation

Public Transportation

UCLA highly encourages the use of public and alternate transportation. Please visit www.transportation.ucla.edu to learn more about alternate methods of getting to campus and for more info about public transportation to Westwood.

Parking

Information on how to apply for a parking permit, vanpool, rideshare, GoBruin bus program, and other available transportation services, go to: <https://main.transportation.ucla.edu/campus-parking>. Their office is located at 555 Westwood Plaza, corner of Westwood Blvd. & Strathmore Avenue (in front of Parking Structure 8, Level 2).

Biostatistics Student Office Space

The Biostatistics Department has two office rooms for biostatistics graduate students, A1-228 CHS and A1-227 CHS. These offices are located on level A of the Fielding School of Public Health.

A1-228 CHS is available to all masters and doctoral students in the Department of Biostatistics

A1-227 CHS is only available to students who have passed the written comprehensive doctoral exam.

To obtain a space, please complete the application provided to you during orientation which can also be found on the Dept. website or email Roxy Naranjo.

The Frank J. Massey Biostatistics Library

The Department of Biostatistics Library is named in honor of Frank J. Massey, Jr., Ph. D, a long-time UCLA School of Public Health faculty member. The library is accessed through the main office of the Department of Biostatistics (51-254A CHS) and is located on the right as you enter the main office.

The library has books, journals, and dissertations from prior graduates and a large conference table. Students are very welcome to work in the library if it has not been previously reserved for an event. The library is also used for Biostatistics faculty meetings, student exams, and other events.

Items may be checked out with the following procedures:

- Masters' reports, journals, and doctoral dissertations are only for *2-hour* check-out. Bring your student ID & item(s) to Student Affairs Officer Roxy Naranjo for a *2-hour* check out.
- All other books should be checked out using the following procedure: find the pocket inside the book; fill out a book card and file it in the box located in the library by the author's name.

For questions, please see Neilufar Modari, Roxy Naranjo, or Ruzanna Margaryan; fill out the check-out sheet located in the blue binder with name, date, and email. To return books, please leave items next to the book catalog and sign out from the check-out sheet. All check-out items are due within *3 weeks* of the borrowed date.



Fielding School of Public Health Community Space

The Fielding School of Public Health Community Space is a shared gathering and study area for students, faculty, and staff, located on the first floor of the Center for Health Sciences in CHS 16-059. (UCLA Facilities) The bright, open space features natural light and a variety of seating options, including couches, tables, booths, and counter-height work areas. Designed to accommodate both individual study and small-group collaboration, it provides a welcoming setting to work between classes, exchange ideas, and connect with others in the Fielding community. (UCLA Facilities)

The space is open Monday through Friday, 7 a.m.–7 p.m. Eating and large events should take place in the A-level student lounges rather than in the Community Space.

See also [UCLA Fielding School of Public Health Student Resources](#)



Biostatistics Seminar Series

The Department offers a regular seminar series open to all students and faculty. Speakers include biostatisticians from around the world who present their research and discuss current topics in the field. Seminars are typically held on Wednesdays during the academic year, from 3:30 to 4:30 p.m., in one of the lecture halls in the Center for Health Sciences.

Regular seminar attendance is an important part of graduate training. Seminars introduce students to research beyond their coursework and help them develop a broader understanding of the field. They also offer opportunities to see how researchers formulate questions, present their findings, and engage in scientific discussion. Students are encouraged to attend regularly, including seminars outside their immediate research interests.

Refreshments are usually available before the seminar, beginning at 3:00 p.m., in the Massey Biostatistics Library. These informal gatherings provide opportunities to socialize, connect with other students and faculty, and meet the seminar speaker. These gatherings may not be offered for virtual seminars.

Seminar listings and flyers, along with an archive of past seminars, are available on the Department's Biostatistics Seminars webpage. Please check email and Slack for weekly seminar announcements and any scheduling or location updates. Consult each seminar's flyer for details about the speaker, presentation, and arrangements for attending.

Student Mail

Each student has a folder in which they can receive mail. The folders are located in the main office (51-254 CHS). As you walk in the office, the folders are in a file cabinet on your left. Announcements and mail arriving at the Biostatistics office will be placed in your folder. Students should check their mail folders regularly. Please do not have personal mail sent to the Department.

Student Employment Opportunities

Graduate students in biostatistics are often able to find employment related to biostatistics (e.g. special readers, teaching assistants (TAs), or graduate student researchers (GSRs)). The GSR and special reader positions may provide fee remissions in addition to the standard pay. In some cases, GSR can also qualify for non-resident tuition remission.

If you are seeking employment, a good first step is to add the jobs (GSR and TA) slack channels. You can also inquire directly with faculty for GSR positions or email Roxy Naranjo. If you are interested in being a Teaching Assistant and are an international student, make sure that you have taken the Test of Oral Proficiency (TOP) test. For more information visit: <https://wp.ucla.edu/test-of-oral-proficiency-top-exam-overview/>

In addition, consider contacting the Career Center (<https://career.ucla.edu/>) for work study opportunities, as well as the Financial Aid Office (<http://www.financialaid.ucla.edu/>).

Blue Petition

A blue petition is a form submitted to explain a student's need or desire to be exempted from any rule or regulation of the University. It is the only way to obtain formal approval from the department, the School, the Registrar, or whoever has authority over the particular request. For example, a request to substitute a required course for another requires a blue petition. The petition will need to be signed by your advisor and Department Chair. The blue petition is available on Docusign [here](#). Blue petitions should be filed prior to any variation from stated policy, not after, discussed with the academic advisors and secure their signature on the form and sent to Roxy via Message Center. Check with Roxy Naranjo to confirm you are following the correct procedures.

Biostatistics Faculty

Abdelmonem A. Afifi, Ph.D., UC Berkeley

Professor Emeritus, Recall Faculty

Office : 51-236B CHS

Phone: (310) 825-0707

Email: afifi@ucla.edu

Research Interests: Multivariate analysis, clinical trials, multilevel models and public health.

Brunilda Balliu, Ph.D., Leiden University, The Netherlands

Assistant Professor

Joint appointment with Pathology and Laboratory Medicine; Computational Medicine

Email: bballiu@ucla.edu

Office: 621 Charles E Young S. Drive, Room 5215

Research Interests: Methods for high-dimensional and intensive longitudinal data. Application to human genetics and functional genomics. Applications to wearable device and smartphone sensors.

Sudipto Banerjee, Ph.D., University of Connecticut, Storrs

Professor

Joint Appointment with Statistics; UCLA Institute of the Environment & Sustainability

Email: sudipto@ucla.edu

Office: 51-254B CHS

Phone: (310) 825-5916

Research Interests: Statistical modeling and analysis of spatial-temporal data; Bayesian statistics (theory and methods) and hierarchical modeling; Bayesian big data analysis; statistical computing and related software development.

Falco J. Bargagli Stoffi, Ph.D., IMT School for Advanced Studies and KU Leuven

Assistant Professor

Email: falco@g.ucla.edu

Office: 56-070 CHS

Research Interests: Methodology: Causal Inference: heterogeneous effects, optimal treatment regimes, network interference, Bayesian causal inference; Artificial Intelligence: interpretability, fairness, Occam's razor. **Applications:** Public health: precision medicine, personalized treatment regimes, social determinants of health; real-world evidence: large observational studies; environmental health; clinical trials.

Thomas R. Belin, Ph.D., Harvard University

Professor

Joint appointment with Psychiatry; Biobehavioral Sci.

Email: tbelin@ucla.edu

Office: 51-267 CHS

Phone:(310) 206-7361

Research Interests: Missing Data, causal inference, record linkage, mental health research.

Ronald Brookmeyer, Ph.D., University of Wisconsin

Professor

Email: rbrookmeyer@ucla.edu

Office: 51-253B CHS

Phone:(310) 825-2187

Research Interests: Survival analysis, epidemic models, epidemiological methods, clinical trials, AIDS/HIV, and Alzheimer's disease.

William G. Cumberland, Ph.D., Johns Hopkins University

Professor Emeritus, Recall Faculty

Director, Biostatistics Core of CFAR

Email: wgc@ucla.edu

Office: 51-236B CHS

Phone: (310) 206-9621

Research Interests: Finite population sampling, stochastic modeling, applications to cancer, AIDS, and California Health Interview Survey.

Guang Cheng, Ph.D., University of Wisconsin, Madison

Professor

Joint appointment with Statistics

Email: guangcheng@ucla.edu

Office: 9404 Boelter

Research Interests: Trustworthy AI, Data Privacy, Large Language Model, Machine/Deep Learning Applications and Theory

Catherine M. Crespi, Ph.D., UCLA

Professor In-Residence and Vice Chair

Affiliation: Jonsson Comprehensive Cancer Center,
Center for Cancer Prevention and Control Research

Email: ccrespi@ucla.edu

Office : 51-239C CHS

Phone: (310) 206-9364

Research Interests: Intervention studies, cluster randomized trials, longitudinal data, power and sample size methods, cancer prevention and control.

Dorota M. Dabrowska, Ph.D., UC Berkeley

Professor Emerita and Recall Faculty

Joint appointment with Statistics

Email: dorota@ucla.edu

Office: 51-236B CHS

Phone: (310) 206-9624

Research Interests: Inference in nonparametric and semiparametric models, survival analysis, counting processes, data transformations.

Xiaowu Dai, Ph.D., University of Wisconsin

Assistant Professor

Joint appointment with Statistics

Email: dai@stat.ucla.edu

Office: MS 8917

Phone: (424) 259-5110

Research Interests: Brain imaging analysis and biomedical research; neuroimaging, cardiovascular disease, kidney exchanges

David A. Elashoff, Ph.D., Stanford University

Professor

Joint appointment with Medicine

Email: dae@ucla.edu

Office: 21-254C CHS

Phone: (310) 794-7835

Research Interests: Analysis of DNA microarray data: statistical methods for computing appropriate metrics for gene expression and gene filtering algorithms to isolate differentially expressed genes, analysis of protein mass-spectrometry data, clinical research in nursing and cancer.

Michele Guindani, Ph.D., Università Bocconi, Milano

Professor

Email: mguindani@g.ucla.edu

Office: 76-062B CHS

Research Interests: Analysis of high-dimensional data, Neuroimaging data, Radiomics, Integrative genomics, and Microbiome. Statistical decision-making under uncertainty, Multiple comparison problems, Clustering, Bayesian modeling, and Bayesian nonparametrics.

Andrew Holbrook, Ph.D., UC Irvine

Assistant Professor

Email: aholbroo@ucla.edu

Office: 76-062A CHS

Phone: (310) 794-5423

Research Interests: Bayesian statistics (theory and methods) and hierarchical modeling, computational statistics and high-performance computing, spatial epidemiology. Alzheimer's disease.

Grace Kim, Ph.D., UCLA

Professor In-Residence

Joint appointment with Radiological Science

Email: gracekim@mednet.ucla.edu

Office: 924 Westwood Blvd.

Phone: (310) 794-8679

Research Interests: Classification, analysis in spatially and temporally correlated data, and pattern recognition of therapeutic response in medical imaging data.

Alexandra M. Klomhaus, Ph. D., UCLA

Assistant Adjunct Professor

Joint appointment with Medicine, Division of General Internal Medicine

Email: aklomhaus@mednet.ucla.edu

Office: 1100 Glendon Ave. Suite 850

Research Interests: Electronic health records (EHR) data, clinical applications of AI/ML models, methodological application to cardiology, adolescent behavioral health, Medicare and Medicaid claims data, and the UC Health Data Warehouse (UCHDW).

Martin L. Lee, Ph.D., UCLA

Adjunct Professor

Email: martin.l.lee@att.net

Office: 51-254

Phone: (310) 781-3627

Research Interests: Robust statistical methods in pharmacokinetics.

Gang Li, Ph.D., Florida State University

Professor

Email: vli@ucla.edu

Office: 51-253B CHS

Phone: (310) 206-5865

Research Interests: Survival analysis, analysis of receiver operating characteristic curves, nonparametric and semiparametric inference, longitudinal data analysis, statistical methods in medical imaging, ophthalmology, clinical trials, pharmaceutical statistics, and cancer.

Sijia Li, Ph.D., University of Washington

Assistant Professor

Email: sijiali67@ucla.edu

Office: 56-70A CHS

Research Interests: Data fusion, causal inference, semiparametric statistics, federated learning, model fairness, electronic health record data, mental health, infectious disease.

Honghu Liu, Ph.D., UCLA

Professor

Joint Appointment with Dentistry

Email: hliu@mednet.ucla.edu

Office: 63-037A CHS

Phone: (310) 794-0700

Research Interests: AIDS, compliance, and application to Dental Health.

Jason H. Moore, Ph.D., University of Michigan

Adjunct Professor

Email: moorej@ucla.edu

Phone: (310) 423-3521

Research Interests: Development, evaluation, and application of artificial intelligence and machine learning methods for developing predictive models of clinical outcomes, including risk of common diseases such as cancer, cardiovascular disease, and neuropsychiatric diseases such as Alzheimer's.

Christina Ramirez, Ph.D., California Institute of Technology

Professor

Email: cr@ucla.edu

Office: 21-257 CHS

Phone: (310) 825-7332

Research Interests: Statistical genetics, Bayesian phylogeny, nonparametric and semi-parametric methods.

Panteha H. Rezvan, Ph.D., The University of Melbourne, Australia

Assistant Adjunct Professor

Joint Appointment with Children's Hospital LA

Email: phayatirezvan@ucla.edu

Research Interest: Methods for handling incomplete data, multilevel and longitudinal modeling, with applications to child and adolescent health, behavior, and HIV.

Damla Senturk, Ph.D., UC Davis

Professor and Chair

Email: dsenturk@ucla.edu

Office: 51-253C CHS

Phone: (310) 206-5977

Research Interests: Longitudinal and functional data analysis, hierarchical modeling, spatiotemporal modeling, nonparametric methods, big data, applications to mental health, neuroimaging and nephrology.

Marc A. Suchard, Ph.D., UCLA

Professor

Joint appointment with Human Genetics & Biomathematics

Email: msuchard@ucla.edu

Office: AV-633 CHS/6-558 Gonda

Phone: (310)-825-0936/ 7442

Research Interests: Stochastic Processes, Applied Probability, Phylogeny, Longitudinal Modeling.

Catherine Ann Sugar, Ph.D., Stanford University
Professor In-Residence
Joint appointment with Psychiatry/Biobehavioral Sci.
Email: csugar@ucla.edu
Office: 51-236C CHS
Phone: (310) 794-1078

Research Interests: Clustering, functional data analysis, classification and patterns of covariation in data, applications to HIV/AIDS, mental health, dentistry, nephrology, and particularly health services research.

Donatello Telesca, Ph.D., University of Washington
Professor
Email: dtelesca@ucla.edu
Office: 21-254 CHS
Phone: (310) 825-6402

Research Interests: Bayesian Inference, Bayesian Model Determination, Bioinformatics, Convolution Models, Cancer Research Decision Theory, Dependent Data, Functional Data Analysis, Markov Chain Monte Carlo Methods, Non-parametric Models.

Robert E. Weiss, Ph.D., University of Minnesota
Professor Emeritus, Recall Faculty
Email: robweiss@ucla.edu
Office: 51-236D CHS
Phone: (310) 206-9626

Research Interests: Bayesian methods and computation, longitudinal data, diagnostics, graphics, hierarchical models, model selection and specification, applications to AIDS/HIV, bioinformatics, evolution and phylogeny, criminal justice, pediatric pain, community intervention studies.

Weng Kee Wong, Ph.D., University of Minnesota
Professor
Email: wkwong@ucla.edu
Office: 51-239B CHS
Phone: (310) 206-9622

Research Interests: Optimal design of experiments, linear models, pharmacokinetics, clinical trials, research in rheumatology, cancer control and prevention studies.

Jason Xu, Ph.D., University of Washington
Associate Professor
Email: jquxu@g.ucla.edu
Office: 51-269 CHS

Research Interests: Stochastic processes, latent variable models, constrained estimation, clustering, Markov models, epidemiology, missing data, optimization

Fei Yu, Ph.D., UCLA
Adjunct Associate Professor
Email: fyu@ucla.edu

Hua Zhou, Ph.D., Stanford University
Professor
Email: huazhou@ucla.edu
Office: 21-254A CHS
Phone: (310)794-7835

Research Interests: Statistical computing, numerical optimization, statistical genetics, medical imaging, applied probability, stochastic modeling of HIV and cancer stem cell dynamics.

Jin Zhou, Ph.D., UCLA
Professor In-Residence
Email: jinjinzhou@ucla.edu
Office #: 21-254C CHS

Research interests: Statistical genetics, biomedical informatics, electronic health records, smart health, longitudinal data, survival data, diabetes care.

Joseph Zoller, Ph.D., UCLA
Lecturer
Email: jaz18@g.ucla.edu

Research Interests: Epigenetic Clocks, Biomarkers for Aging, Omics-Based Biomarkers, HIV and HAART, Multicenter AIDS Cohort Study.

Emeriti Faculty

Abdelmonem A. Afifi, Ph.D., UC Berkeley
Dean Emeritus and Professor Emeritus

Nancy Berman, Ph.D., American University
Professor Emerita

Potter Chang, Ph.D., University of Minnesota
Professor Emeritus

Virginia A. Clark, Ph.D., UCLA
Professor Emerita (deceased)

William G. Cumberland, Ph.D., Johns Hopkins
Professor Emeritus

Dorota M. Dabrowska, Ph.D., UC Berkeley

Professor Emerita
Frederick J. Dorey, Ph.D., University of Massachusetts
Professor Emeritus (deceased)
David Gjertson, Ph.D., UCLA
Professor Emeritus
Donald Guthrie, Ph.D., Stanford University
Professor Emeritus
Robert I. Jennrich, Ph.D., UCLA
Professor Emeritus
Robert E. Weiss, Ph.D., University of Minnesota
Professor Emeritus

List of Biostatistics Courses

Below is a list of all biostatistics courses that are offered. However, many courses are not offered each year. Course descriptions and further details can be found at <https://registrar.ucla.edu/academics/course-descriptions>

200A. Methods in Biostatistics A Units: 4.0

200B. Methods in Biostatistics B Units: 4.0

200C. Methods in Biostatistics C Units: 4.0

201A. Introduction to Biostatistics Units: 4.0

201B. Introduction to Biostatistics Units: 4.0

202A. Mathematical Statistics A Units: 4.0

202B. Mathematical Statistics B Units: 4.0

202C. Theory of Bayesian Statistics Units: 4.0

203A. Introduction to Data Management and Statistical Computing Units: 4.0

203B. Introduction to Data Science in R Units: 4.0

203C. Introduction to Data Science in Python Units: 4.0

M208. Introduction to Demographic Methods Units: 4.0

211A. Topics in Applied Regression Units: 4.0

211B. Topics in Applied Regression Units: 4.0

212A. Statistical Learning A Units: 4.0

212B. Statistical Learning B Units: 4.0

213. Introduction to Computational Methods in Biostatistics Units: 4.0

214. Finite Population Sampling Units: 4.0

M215. Survival Analysis Units: 4.0

216. Mathematical Methods for Biostatistics Units: 4.0

218. Observational Health Data Science and Informatics Units: 4.0

219. Special Topics: Supplemental Topics Units: 4.0

230. Statistical Graphics Units: 4.0

231. Statistical Power and Sample Size Methods for Health Research Units: 4.0

M232. Statistical Analysis of Incomplete Data Units: 4.0

233. Statistical Issues in Global Health Units: 4.0

M234. Applied Bayesian Inference Units: 4.0

M235. Causal Inference Units: 4.0

M236. Longitudinal Data Units: 4.0

M237. Applied Genetic Modeling Units: 4.0

M238. Methodology of Clinical Trials Units: 4.0

M239. Mathematical and Statistical Phylogenetics Units: 4.0

241. Spatial Modeling and Data Analysis for Health Sciences Units: 4.0

244. Master's Seminar and Research Resources for Graduating Biostatistics MS Students Units: 4.0

245. Advanced Seminar: Biostatistics Units: 2.0

246. Doctoral Students Seminar Units: 2.0

250A. Linear Statistical Models Units: 4.0

250B. Linear Statistical Models Units: 4.0

250C. Multivariate Biostatistics Units: 4.0

255A. Advanced Probability and Statistics Units: 4.0

255B. Advanced Probability and Statistics Units: 4.0

M257. Computational Methods for Biostatistical Research Units: 4.0

270. Stochastic Processes Units: 4.0

M272. Theoretical Genetic Modeling Units: 4.0

273. Machine Learning Units: 4.0

274. Topics in Statistical Machine Learning Units: 4.0

275. Advanced Survival Analysis Units: 4.0

276. Inferential Techniques that Use Simulation Units: 4.0

277. Robustness and Modern Nonparametrics Units: 4.0

279. Optimal Design Theory and Application Units: 4.0

M280. Statistical Computing Units: 4.0

285. Advanced Topics: Recent Developments Units: 4.0

296. Seminar: Research Topics in Biostatistics Units: 1.0 to 4.0

400. Field Studies in Biostatistics Units: 4.0

401. Data Science Capstone Units: 4.0

402A. Principles of Biostatistical Consulting Units: 2.0

402B. Biostatistical Consulting Units: 4.0

M403B. Computer Management and Analysis of Health Data Using SAS Units: 4.0

406. Applied Multivariate Biostatistics Units: 4.0

409. Doctoral Statistical Consulting Seminar Units: 2.0

410. Statistical Methods in Clinical Trials Units: 4.0

411. Analysis of Correlated Data Units: 4.0

413. Introduction to Pharmaceutical Statistics Units: 4.0

495. Teacher Preparation in Biostatistics Units: 2.0

496. Teaching Biostatistics Units: 2.0

595. Effective Integration of Biostatistical Concepts in Public Health Research Units: 4.0

596. Directed Individual Study or Research Units: 2.0 to 8.0

597. Preparation for Master's Comprehensive or Doctoral Qualifying Examinations Units: 2.0 to 12.0

599. Doctoral Dissertation Research Units: 2.0 to 12.0

Other Courses of Interest

Some courses from other UCLA departments such as the Department of Statistics may qualify as a Biostatistics elective. You will need approval from your academic advisor and Department Chair (via blue petition). Approval should be obtained before enrolling in the course, not after. Listed below are some possible courses:

Statistics 218	Statistical Analysis of Networks (4)
Statistics M232A	Statistical Modeling and Learning in Vision and Science (4)
Statistics 242	Multivariate Analysis with Latent Variables (4)
Statistics M243	Logic, Causation, and Probability (4)
Statistics C261	Introduction to Pattern Recognition and Machine Learning (4)
Statistics 271	Probabilistic Models of Visual Cortex (4)