Open Rank Lecturer in Statistics

University of New Mexico
Albuquerque, USA

Apply

The Department of Mathematics and Statistics at the University of New Mexico has a full-time lecturer position available beginning August 19, 2019. Applicants must have an MS or PhD in Statistics, Biostatistics, or a closely related field by the start date of appointment and provide evidence of teaching excellence. Duties include developing and coordinating two new statistics courses, "Statistical Literacy" and "Statistics for Research", developing a formal training for statistics teaching assistants and teaching associated general lower division statistics courses in the Fall and Spring semesters.

This is a new full-time lecturer position designed for individuals who wish to focus their careers on the development and implementation of innovative teaching strategies, professional activities, and service to the University and public. Preference will be given to candidates who demonstrate outstanding teaching in a variety of statistics courses at the post-secondary, lower-division level; who have experience implementing and evaluating evidence-based and innovative pedagogy to undergraduates at all levels; who have ongoing participation in national and international statistical education conferences such as ICOTS, USCOTS, and eCOTS; who have a demonstrated or potential publication record in recognized premier journals in the area of statistical education; who have potential for service to the Statistics Program and Department; and demonstrated commitment to diversity, equity, inclusion, and student success, as well as, working with broadly diverse communities. Professional development support in learner-centered teaching, such as hybrid/flipped classrooms and using clickers, is available through the University's Center for Teaching and Learning.

The Department oversees an undergraduate major and minor in Statistics, MS and PhD degrees in Statistics, and serves the entire University for required core mathematics and statistics courses.
Undergraduate courses include non-calculus based statistics and more advanced courses in probability, mathematical statistics, and statistical methodology. Graduate courses in statistical methodology are also offered for students from other disciplines. Expected responsibilities of the Lecturer position include a manageable subset of the following: developing two additional introductory statistics courses (independent of existing courses) to meet diverse student needs, implementing evidence-based teaching strategies, developing and evaluating novel teaching strategies, training and oversight of graduate teaching assistants, and the potential for leadership roles in undergraduate education more generally in the state of New Mexico. The post holder will work with statistics faculty to refine the specific teaching milestones detailed here. In continued development of the new course, "Statistics for Research", the role will involve serving as a key personnel under a funded grant (NSF 17-590) to implement a scalable project-based statistics course for science and engineering majors working closely with a departmental teaching fellow. In developing a second course, "Statistical Literacy", the role will involve developing and implementing a statistics course for the majority of UNM students, specifically, those fulfilling their one math requirement who need basic everyday skills to evaluate information; The May 2017 issue of The Statistics Education Research Journal was dedicated to Statistical Literacy. In training and mentoring graduate statistics teaching assistants, the role will involve developing a program consistent with the ASA/MAA Joint Committee on Undergraduate Statistics. Based on the interests and strengths of the post holder, many additional opportunities are available. One opportunity is to develop a sustainable undergraduate statistics education practicum to give undergraduate majors the skills necessary to be successful applied statisticians by serving as helpers in active-learning classrooms, particularly the "soft" skills of being able to consult, teach, and communicate. Another opportunity is to develop a first-year learning community with other departments with the support of already-mobilized Deans, Associate Deans, and Department heads from around the University. Other opportunities include coordinating with the UNM Grand Challenge Initiative for student research projects, conducting IRB-approved pedagogical experiments to improve our courses, and implementing writing across the curriculum in our courses. A realistic timeline for these developments will be set with the support of the Department Chair and Statistics faculty.

The Department has seven faculty members and a lecturer in statistics, offers BS, MS, and PhD degrees in Statistics, and administers the Statistics Clinic. The University is in close proximity to Sandia National Laboratories and Los Alamos National Laboratory. Many faculty members have ties with these and other institutions. Additional information is available at [http://www.math.unm.edu](http://www.math.unm.edu).

**Requirements**

- Master’s Degree from an Accredited Institution, by appointment start date, in Statistics (or a closely related field)
- 2-4 years of relevant professional teaching experience at the undergraduate level
- 1-2 years of experience implementing and evaluating evidence-based and innovative pedagogy to undergraduates at all levels.
Preferred Requirements

- PhD from an Accredited Institution, by appointment start date in Statistics (or a closely related field)
- Demonstrated outstanding teaching in a variety of statistics courses at the post-secondary, lower-division level
- Demonstrated or potential publication record in recognized premier journals in the area of statistical education.
- Evidence of ongoing participation in national and international statistical education conferences
- Demonstrated commitment to diversity, equity, inclusion, and student success, as well as, working with broadly diverse communities.

Salary

Commensurate with education and experience. Faculty benefits package available.

Applicants must complete an online application through the University of New Mexico Human Resources Employment site, https://unmjobs.unm.edu (Req #8225) and include a curriculum vitae, a cover letter that specifically addresses the applicant’s qualifications, a teaching statement, and three letters of professional reference. Letters of reference must be sent to Lecturer Search Committee, University of New Mexico, Department of Mathematics and Statistics, 1 University of New Mexico, MSC01 1115, Albuquerque, NM 87131. For best consideration, applications, including the 3 letters of recommendation, must be received by May 1, 2019. The position will remain open until filled. All candidates should be prepared to show proof of academic credentials.

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