

Assistant Teaching Professor or Instructor - Physics Worcester Polytechnic Institute

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Posted Jul. 21, 2022, set to expire Nov. 1, 2022

Job Title	Assistant Teaching Professor or Instructor - Physics
Department	
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Jul. 21, 2022
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Physics - General
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Job Description

JOB TITLEAssistant Teaching Professor or Instructor - Physics**LOCATION**Worcester**DEPARTMENT NAME**Physics Department**DIVISION NAME**Worcester Polytechnic Institute - WPI**JOB DESCRIPTION SUMMARY**The Department of Physics at Worcester Polytechnic Institute invites applications for an Instructor or Assistant Teaching Professor of Physics to begin in the Fall of 2022. WPI seeks an outstanding faculty candidate in physics and STEM education that aligns with WPI's Strategic Plan of an inclusive community with purpose-driven education and research. The candidate would work closely with the STEM Education Center and the Teacher Preparation Program.WPI is passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity and inclusion.**JOB DESCRIPTION**We invite applications for an Instructor or Assistant Teaching Professor position in Physics, with the successful applicant's highest degree ultimately determining which title applies to the position. Job responsibilities will include many of the following, dependent on the interests and strengths of the successful applicant:

Teaching introductory and intermediate undergraduate physics courses.

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Mentoring undergraduate and graduate physics students in their careers.
Mentoring and advising undergraduate and graduate students in projects and education research.
Mentoring and observing Teacher Candidates at the secondary level in the Teacher Prep Program.
Teaching the "Methods and Pedagogy" seminar for Physics Peer Learning Assistants.
Co-teaching and leading improvements on a "Teaching Methods" course for teacher prep students across STEM disciplines.
Co-teaching the Teacher Prep Practicum Seminar.
Promoting connections across, and being a leader in, the WPI teaching and learning community.

A successful candidate should have a master's or doctorate degree in physics or in a closely related area such as physics or science education. We value experience and commitment to excellence in mentoring and teaching students using student-centered and evidence-backed strategies. Candidates should be committed to participating in WPI's distinctive project-based curriculum and DEI initiatives. In particular, the following qualities are required for the position:

Advanced degree in physics, STEM education, or a closely related area.
Experience teaching physics at the high school or undergraduate level.
Experience with utilizing and assessing a variety of teaching methods.
Demonstrated commitment to innovative and creative teaching approaches.
Demonstrated commitment to diversity, equity, and inclusion.

The following qualities are preferred, but not required:

Teaching/mentoring experience in a high school science education setting.
Experience mentoring undergraduate and/or graduate students.
Experience working with diverse populations with inclusive, culturally responsive approaches.
Alignment and openness to collaboration with the team of educators and researchers in WPI Physics and the WPI STEM Education Center.

Interested candidates should submit an application consisting of (i) a cover letter, (ii) a curriculum vita, (iii) a statement on pedagogical approaches to student learning and teaching, (iv) a statement regarding contributions to diversity, equity and inclusion, and (v) a list of five references with full contact information. We encourage potential applicants to send any inquiries regarding this position to Prof. Doug Petkie, Chair of Search Committee, at dtpetkie@wpi.edu. Review of applications will be conducted on a rolling basis that will begin on March 1, 2022 and continue until the position is filled. About us: The WPI Physics Department has a vibrant teaching and peer learning assistant program and offers B.S., M.S., and Ph.D. degrees in Physics and Applied Physics. It is a PhysTEC Comprehensive site with a physics teacher preparation program, and has a Master of Science in

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Physics for Educators for in-service teachers. The STEM Education Center at WPI is a leader in teacher education across pre-K to graduate school levels, and in community development around teacher education. Students in the Physics Teacher Preparation Program can get a B.S. in physics and a Massachusetts Initial Teaching License in four years. The Department also has strong research programs in the areas of radiological sciences, biophysics, photonics, quantum physics, nanoscience, and physics education. Please see <http://www.wpi.edu/+Physics> for more information regarding the Physics Department, and <https://www.wpi.edu/academics/stem-education-center> for more information regarding the STEM Education Center. Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real-world problems around the globe. WPI is committed to fostering a diverse and inclusive campus community for faculty, staff, and students, where all community members feel a connected sense of belonging. We believe that such a community should be a foundation of success of our students, our employees, and our community. As such, our commitment to diversity informs our efforts in recruitment, hiring, and retention. WPI requires employees to be fully-vaccinated (including a booster shot) for COVID-19. For additional information on WPI's response to COVID-19, refer to <https://www.wpi.edu/we-are-wpi> FLSA STATUS United States of America (Exempt) WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making. To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Assistant-Teaching-Professor-or-Instructor---Physics_R0001761 About WPI WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more. Diversity & Inclusion at WPI WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

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