Brandeis University’s Graduate Professional Studies (GPS) is looking for an industry leader to develop and teach in our Software Engineering Master’s Program. Brandeis University is consistently ranked among the nation’s top universities, and our online courses are developed using best practices in online learning. Information about Brandeis University and Graduate Professional Studies can be found online.

About the position and course:
Brandies GPS seeks to hire an adjunct instructor to develop and teach RSEG 155: Functional Programming with Java and Scala. This elective course will provide a hands-on experience with functional programming. Students will use functional extensions of Java and a popular functional programming language Scala to apply functional programming approach to a variety of design, modeling and implementation challenges.

At the end of the course, students will be able to:
- Apply functional programming principles to design and modeling of complex programming solutions
- Apply functional programming extensions in Java to create customizable data structures and higher-level abstractions in Java programs
- Combine functional programming with object oriented programming
- Create Scala programs that apply functional programming approach to data processing and complex modeling challenges

Qualified candidates will have Subject Matter Qualifications in the following areas:

Required:
- Current active employment in the Software Engineering field or related industry
- Master’s degree or higher
- Minimum of 5-7 years of experience as a senior or principal software engineer, with at least 3 years of experience developing software systems using functional programming
- Experience with multiple functional programming languages – functional programming extensions in Java and the Scala programming language are preferred.
- Experience with design and implementation of systems that combine functional and object-oriented programming and address complex modeling challenges through functional programming

Preferred:
- Teaching experience preferred; online teaching or learning experience preferred

General responsibilities include:
- For new courses requiring development:
  - Design a syllabus following program chair guidance and the syllabus template
  - Create content that aligns with course outcomes and offers the author’s experiences and perspectives on key points
- For all courses - develop and deliver the course according to our teaching standards, which include actively facilitating online discussions, providing relevant and timely feedback on student work, reporting grades, and discussing student issues with staff
Create or refine and facilitate the course site in the Moodle learning management system

**General skill requirements include:**
- Strong interpersonal skills when relating to students
- The ability to communicate effectively in writing, including conveying complex information and promoting in-depth engagement on course topics
- The ability to devote adequate time to courses, including responding to students and providing meaningful feedback in a timely manner

**About the Master of Software Engineering Program:**
The Master of Software Engineering Program provides students with the knowledge to provide high-quality technical leadership, communicate effectively and think critically about a wide range of issues arising in the context of working constructively on software projects. Upon graduation, students are equipped to apply best practices to design, develop, operate and maintain software systems.

All GPS Masters courses are 10-weeks long and taught asynchronously in the online learning environment with no set days or times for interaction.

**About GPS Faculty:**
GPS Faculty instructors are active practitioners in the industries that align with our programs and have the professional expertise to bring to course discussions and threads. Instructors are part time and work fully online, with no requirement to appear on campus. Our faculty have earned at least a master's degree with many holding terminal academic degrees and industry-specific credentials. Previous experience teaching online is not required; GPS offers a comprehensive training program for qualified applicants.

**How to apply:**
GPS welcomes applications for its adjunct faculty pool on an ongoing basis. The application process consists of the online application and, if subject matter qualifications are met, a series of interviews at the discretion of the Program Chair and Director of Program Development. Complete your application online.