Brandeis University, Division of Graduate Professional Studies  
Adjunct Faculty - Mathematics and Algorithm Design for Robotics

Are you an industry expert looking for the chance to shape the future of your field and mentor your next generation of colleagues? If so, then teaching online for Brandeis University’s Division of Graduate Professional Studies (GPS) might be right for you. GPS offers fully online, part-time master’s degrees in fields such as Software Engineering, User-Centered Design, and Strategic Analytics. Brandeis is consistently ranked among the nation’s top universities, and our online courses are developed using best practices in online learning.

Course-Specific Qualifications

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<th>Job Summary</th>
<th>Teach a 10-week online graduate course.</th>
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<tr>
<td>Course(s)</td>
<td>Mathematics and Algorithm Design for Robotics</td>
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| Subject Matter Qualifications| • Minimum of 10 years' experience in an application area relevant to robotics.  
                                • Familiarity with linear algebra, calculus, probability/statistics, computation geometry, search algorithms, graph algorithms, probabilistic graphical models, and optimization methods. |

General Responsibilities, Skills and Qualifications

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<th>Job Title</th>
<th>Graduate Professional Studies, Adjunct Faculty</th>
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| General Job Responsibilities            | • Adhere to all policies and procedures as referenced in the GPS Instructor Policy Manual.  
                                         • Depending on the needs of the course, and consistent with the GPS Online Course Standards:  
                                           o Develop a syllabus following program chair guidance and the syllabus template.  
                                           o Develop content that aligns with course outcomes and offers the author’s experiences and perspectives on key points.  
                                           o 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.  
                                           o Create or refine the course site in the Moodle learning management system. |
| General Skills                          | • 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. |
| General Qualifications                  | • Master’s degree required, PhD is a plus.  
                                         • Teaching experience preferred.  
                                         • Online teaching or learning experience preferred. |