Describe one or two things that you did in 2014-2015 to create significant learning experiences for your students, and explain your rationale for doing so.

Real-world problems, more often than not, do not have closed-form analytical solutions. It is therefore important to have the skills to analyze a problem numerically and to solve it computationally. To this end, I introduce MATHEMATICA and design graded assignments that require its use. This enables students to solve non-traditional problems in quantum dynamics. It is a first step. I hope students will grow to appreciate the computational approach to problem-solving.

What Students Say...

“He is a good lecturer...takes the time to re-explain concepts that are tough and that the students have difficulty understanding. Using props to...show some of the physical aspects of the concepts we are learning was a particularly nice touch to create an effective learning environment in his lectures. He teaches with conviction and passion.”

“He can explain simple things in a very interesting way. He inspired me to work hard on physics and also think hard. His explanation of each concept is very clear and easy to understand. He also uses experiments to demonstrate the concepts, which help us to have a better understanding. I also like his notes very much. He spent a lot of time preparing the notes.”

“Every class I’ve taken under this lecturer has been very interesting and insightful. They are difficult, but he makes sure the students connect to the content.”