



# Quantum Theory in this Course

*“...as weird as it may seem, quantum physics is most emphatically not magic.” ~ Chad Orzel, Associate Professor of Physics, Union College<sup>1</sup>.*

The word Quantum comes from the Latin for “*how much*”.

Now, as much as we, armchair scientists would like to believe that quantum physics is a proven science, it's not. It's still theory or a long litany of guess work and probability. It may happen or it may not happen; or it may happen quite different than we originally thought that it might.

**For example:** The renowned scientist, Albert Einstein, is credited with a major blunder, when developing the Theory of Relativity. Turns out it doesn't quite work the way he thought it does. However, his blunder was some sort of a happy accident that led to the current Theory of Entanglement.

You may be familiar with the book/movie, *The Secret*, by Rhonda Byrne. The story itself is the fiction part. Yet, within the story lies the 12 Immutable Laws of the Universe and the roles they play in our everyday life, whether we know it or not.

The 12 Immutable Laws of the Universe is where our interest is in this course. Immutable means unchangeable. They just are. They exist as the forces that rule the very fabric of the universe. Inside each of these laws are various other principles and theories; however each of them is a ruling law of physics.

In this course, we are not going to delve into the intricate knowings of quantum physics itself. I am not a physicist and I don't pretend to be one. We don't necessarily know how or why things happen the way they do. What we do know is that at the core of the happenings are the 12 Immutable Laws. We know we can manipulate them to some degree to behave in certain ways, but we cannot change the core characteristics...at least we don't think we can at the time of this writing.

It is important to understand that the 12 Immutable Laws are without discernment. They cannot stop anything that has been put into motion. They can only play their unique individual role and let the event run its course. They also cannot start an event. Nothing happens in the universe, until something makes it happen.

With that said, let's begin and take a look at ourselves, the world, and the universe in which we exist.

1) Orzel, Chad, *Six Things Everybody Should Know About Quantum Physics*, Forbes, July 15, 2018.  
<https://www.forbes.com/sites/chadorzel/2015/07/08/six-things-everyone-should-know-about-quantum-physics/?sh=85096f67d467>