Waves:

My own Lecture:

Introduction:

About me:

My name is Michael Marchenko. I am a lecturer of physics at Trilogy University. I am originally from Russia. I lived in the USA, EU, Australia, New Zealand for 5 years.

I dealt with the most powerful weapons in the world.

Importance of physics:

Physics is the most fundamental science. You need it a lot even beyond physics: in chemistry, biology, even in economics.

Waves:

Physically, everything is a wave. That is why waves are very important.

A wave is the spread of oscillations in space.

As I speak, my sound waves reach your ears. These are longitudinal waves.

You see the waves in the water. These are transversal waves.

There other kinds of mechanical waves.

Mathematically, mechanical and electromagnetic waves are the same.

Wave equation is: v = fL.