



A Neo Course @CMU

This Spring Semester

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Room # BH A51
MW 3:30-4:50 PM
Special Topic Course
Cross-listed in CS (15-508)
and Physics (33-608)

Prof. Ed Fredkin
Distinguished Career Professor
CMU

to explore the common
underpinning between the
laws of physics and bits of
your computer!

THE PHYSICS OF THEORETICAL COMPUTATION

Open to anyone with a strong interest in CS and Physics
no prerequisite

Give a fresh perspective to:

- The physicist in you on fundamentals of information*
- The computer scientist in you on reversibility of computing*
- The electrical engineer in you on ways of logic gates*
- The mathematician in you on numbers and discreteness*
- The philosopher in you on developing your own metaphysics,
and most importantly --*
- The child in you that can dare ask the most basic questions, again*

A subject that has captivated great minds; a field so
fundamental, you can help advance it.

SEE THE WORLD AS A MATRIX !



15-508, 33-608

9 units

