**OLLI at BCC: Winter 2022 – Evolution Course: S. Wallach**

***Syllabus***

**Class One: creation of our universe, galaxies, dark matter, our solar system, Planet Earth, geologic epochs, ice ages, start of living organisms, Earth’s forms of life, tree of life, six mass extinctions, understanding very big numbers and ultra-long time periods**

**X**

**Class Two: DNA, RNA, mitochondria, endosymbiosis, gene drift, the process of evolution, human genome project, fossils, dating fossils, earliest hominid ancestors, geography lesson, early emigration out of Africa**

**x**

**Class Three: Genus: Sahelanthropus, Ardipithecus, Australopithecus, early Homo species, tools**

**x**

**Class Four: bipedality, brain size, more tools, female obstetrics, Denisovans, Neanderthals, fire, cooking, fur, hair, clothing, Otzi the Iceman**

**x**

**Class Five: African emigration, Hobbes, Rousseau, Hariri, Mitochondrial Eve, human sacrifice, music, dance, art, language, stories**

**Class Six: The lives & work of some major paleo- anthropologists + wind-up.**

**NOTE: in place of questions during class time, send your questions to Stacy at** [**wallachstacy@gmail.com**](mailto:wallachstacy@gmail.com)