

Primary Textbook:

Appleman, P. 2001. Darwin. A Norton Critical Edition. 3rd Edition. W.W. Norton & Co. Inc. New York. 695 pp.

Dr. Horton

Lecture 1. The Nature of Scientific Inquiry and Evolutionary Science**Please read the following from Appleman for Lecture 2:**

Part 1. Introduction- pages 1-20

Part II. Who was Darwin, pages 21-29

Part III. Scientific Thought: Just Before Darwin. PP 33-64

Part IV. Darwin and Natural Selection. PP 67-174.

Books and journal articles mentioned in lecture

Giere, Bickle, and Mauldin. 2006. Understanding Scientific Reasoning. Thomson/Wadsworth. Belmont, CA. 320 pp.

The pectoral fin of *Tiktaalik roseae* and the origin of the tetrapod limb. Shubin et al. 2006. Nature 440:764-771. (6 April 2006|doi:10.1038/nature04637)

Goodman FR 2003 Congenital abnormalities of body patterning: embryology revisited. Lancet 362:651-662

URLs to material presented in lecture:

Peanut butter, the atheist's nightmare <

<http://www.youtube.com/watch?v=FZFG5PKw504&feature=related>>

Chemistry figures

Ancient elements <<http://www.webwinds.com/myth/elemental.htm> >

Chemicalelements.com

<http://www.chemicalelements.com/>

“Kansas” Periodic Table

http://www.wordsoup.com/blog/2007/05/kansas_periodic_table.html

Gravity <http://csep10.phys.utk.edu/astr161/lect/history/newtongrav.html>

Suggested reading and useful websites:

Bryson, B. 2003. A Short History of Nearly Everything. Broadway Books. New York 544 pp.

Lindberg, D.C. 1992. The Beginnings of Western Science. *The European Scientific Tradition in Philosophical, Religious, and Institutional Context, 600 B.C. to A.D. 1450*. The University of Chicago Press. 455 pp.

Quammen, D. 2006. *The Reluctant Mr. Darwin. An Intimate Portrait of Charles Darwin and the Making of His Theory of Evolution*. W.W. Norton & Co. New York.

Shubin NH 2008 *Your Inner Fish: A Journey into the 3.5- billion-Year History of the Human Body*. New York. Pantheon Books

The National Center for Science Education <http://ncseweb.org/>. Their website provides extensive information on the history of the Creationist and Intelligent Design movements in the United States.

The University of California Evolution Wing
<http://www.ucmp.berkeley.edu/history/evolution.html>. This website provides extensive tutorials and information on all aspects of evolution.

One Book One Northwestern Website. The links page contains links to educational websites and many other websites that may be of interest to students in this class, including the complete works of Charles Darwin.
<http://www.northwestern.edu/onebook/Links.html>