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Martin E. Walter* (martin.walter@colorado.edu), Department of Mathematics Campus Box 395, University of Colorado, Boulder, CO 80309. *Nineteen Years Teaching Environmental Numeracy and Logic: Mathematics for the Environment*. Preliminary report.

I have been teaching a class, Mathematics for the Environment, for the past nineteen years. We study climate change, financial crises, media literacy, the synthetic chemical soup in which we all marinate, food production, energy (solar and others), populations, surveillance and identity theft, ecological economics and thermodynamics, the kinship relations of Australian aborigines and much more. Besides the “usual” mathematical analysis, we study the underlying logic of our society—where Nature indicates that this logic is not sustainable, and what might be changed to make it so. My classroom materials are now available in book form, and I am working on other possible formats. (Received September 10, 2011)