

## Amended Schedule

### 2014 Climate, Energy, Biochar and Agriculture Seminar Series STOCKSCH 491B and STOCKSCH 691B

#### 4:00pm Chenoweth Lab, Room 113

- Jan. 23 Seminar introduction and class overview – Stephen Herbert (Hand-out web reference: <http://truth-out.org/news/item/20751-climate-change-2013-where-we-are-now-not-what-you-think> )
- Jan. 30 Climate change and implications for agriculture – Bethany Bradley (Required reading before class: [http://www.ucsusa.org/assets/documents/global\\_warming/exxon\\_report.pdf](http://www.ucsusa.org/assets/documents/global_warming/exxon_report.pdf) )
- Feb. 6 Climate and energy dependence and agriculture – Stephen Herbert
- Feb. 13 Snowed out!
- Feb. 20 Chemical properties of biochar – Dick Stein
- Feb. 27 Science of the removal of endocrine disrupters & herbicide from waste water with biochar – Baoshan Xing
- Mar. 6 Biochar: a catalyst for Ecological, Agricultural, and Socio-Economic Change – Michael Garjian
- Mar. 13 International Biochar Initiative – Thayer Tomlinson
- Mar. 27 Energy alternatives and constraints – TBA (Panel discussion) or Biochar R&D in Asia and Australia – <http://www.youtube.com/watch?v=R97FykPjAP4> Stephen Joseph, Ted Wysocki
- Apr. 3 Anaerobic digestion and designing stoves for heat and biochar – Alex DePillis
- Apr. 10 Integration of solar photovoltaic and biomass power generation on farms (field trip, 89 River Rd, South Deerfield) – Stephen Herbert and Alan Page
- Apr. 17 Forest management – (Quabbin-Randy Stone), Alan Page
- Apr. 23 Forest management tour and biochar production – Alan Page, Frank Jeffers, Ted Wysocki, Tom Goreau