**Biomimicry workshop 2012**

**Class syllabus**

**Class 1:** Presentation - Introduction to biomimicry. Overview of class goals, agenda and processes.

Intent of Class: Introduction to biomimicry, forming teams, seeing Nature as our mentor and relearning the child like way to observe Nature.

**Class 2:** Biomimicry history, ethics and philosophy. Biomimicry design approach. Learn about function .

Intent of Class: Discover the three seeds of biomimicry, ethos, (re)connect and emulate. Learn how to integrate of biology into the design process. Learn how to identify the function in your design challenge.

**Class 3:** Introduction to Team H2O and Team Organize. Review of biomimicry methodology (scoping). Next steps in biomimicry methodology (creating and evaluating).

Intent of Class: Have a working knowledge of how to apply the biomimicry methodology.

**Class 4:** Abstracting design principles from the strategies found in nature.

Intent of Class: Complete review of the biomimicry methodology. Learn how to abstract the design principles and put them into language which can be understood by other disciplines.

**Class 5:** Life’s Principles Part 1. Incorporating the language of biomimicry into your written work.

Intent of Class: Understand the first three life principles and learn how to notice them at work in your ecosystem. Learn how to communicate with life’s principles

**Class 6:** Life’s Principles Part 2. Prepare for the in-person session

Intent of Class: Understand the final three life principles and learn how to notice them at work in your ecosystem.

**In-person session:** Meet with your challenge team in person to continue the work on your challenge. Dive deeper into the biomimicry methodology with a biomimic expert. Learn about how nature stores, distributes and collects water from a Permaculture expert. Use the organisms in the local ecosystem for a better understanding of life’s principles.

**Final report webinar (s):** The classes will meet in one or two final webinares to report on their findings and share the experiences of solving the challenges using biomimicry methodology