SIO 278-Seminar-Metabolic Theory of Ecology 2 units
Winter 2016; Th 1-3pm
Instructor: Ryan Hechinger

This course involves critical discussion of the 2012 book Metabolic Ecology: A Scaling Approach (eds. Sibly, Brown, Kodric-Brown). The book is available electronically, through our library. Each week, we will generally cover one chapter and, potentially, a supplementary paper if there has been a major development in the chapter's subject matter. Students will sign up to lead at least one week's discussion. Leaders don't really "present" the chapter. They are responsible for chaperoning and enhancing discussion among people who have already carefully and thoughtfully done at least the chosen reading. So, leaders carefully dig into the chapter themselves, do some additional scholarship, potentially assign additional reading, and…

Initial schedule (we can determine changes in the first meeting given peoples' interests). Book TOC is on following pages.

Week	Date	Topic
1	07-Jan-16	Logistics—chapter finalizing & discussion leader sign ups; Preface, Introduction, **Ch 2: Brown & Sibly. The metabolic theory of ecology and its central equation;** Leader: Ryan Hechinger
2	14-Jan-16	**Ch 3: Kaspari. Stoichiometry**. Leader:
3	21-Jan-16	**Ch 5: Sibly. Life history**. Leader:
4	28-Jan-16	**Ch 15: Waters & Harrison. Marine invertebrates**. Leader:
5	04-Feb-16	**Ch 18: Costa & Shaffer. Seabirds and marine mammals**. Leader:
6	11-Feb-16	**Ch 12: Litchman. Phytoplankton**. Leader:
7	18-Feb-16	**Ch 19: Hechinger et al. Parasites**. Leader:
8	25-Feb-16	**Ch 9: Anderson-Teixeira & Vitousek. Ecosystems**. Leader:
9	03-Mar-16	**Ch 21: Jennings et al. Marine ecology and fisheries**. Leader:
10	10-Mar-16	**Ch 23: Anderson-Teixeira, Smith, Ernest. Climate change**. Leader: