

**Fall 2016**  
**PMB200E Plant Biochemistry (1.5 units), offered each fall**

Instructor: Professor Henrik Vibe Scheller

This course augments the student's knowledge of plant-specific biochemical processes focusing on the underlying experiments used to deduce key cycles (such as the Calvin Cycle) coupled with current areas of exploration and debate surrounding a given topic area. The major topic areas are: Photosynthesis, Carbohydrate Metabolism, Biochemistry of Plant Cell Walls, Nutrient Acquisition and Specialized Plant Metabolism.

PMB200E is graded on a letter scale. Grade will be out of 100 pts with 50 pts based on performance in oral examination given at the end of the semester, 25 pts based on journal presentations, and 25 pts based on four problem sets.

Text: *Biochemistry and Molecular Biology of Plants*, 2nd Edition (2015). Editors: Bob B. Buchanan, Wilhelm Gruissem, Russell L. Jones. Wiley, Hoboken, NJ.  
ISBN: 978-0-470-71421-8