Environmental Issue: Every fall over 2 million Monarch butterflies migrate south (Urguhart, 1998) to hibernate in central Mexico over the winter. Every spring it takes four to five generations of Monarchs to reach their summer breeding groups here in the Northeast United States. Over 60 species of butterflies have been found at nearby Ft. Washington State Park. Butterflies are a critical link in the food chain of many ecosystems. We have the opportunity to create and monitor a butterfly garden here on campus to attract, feed and conserve endangered butterfly species. We would offer them a habitat on their migration or we may actually have resident butterflies of a few species. We will celebrate the creation of the garden on Arbor Day, which is Friday April 27th with the campus community.

Chapters in Textbook: Ch 4 Biological Communities (connections between plants and animals)  
Ch 5 Biomes (temperate deciduous forest)  
Ch 13 Biodiversity: This is on reserve in Gutman Library under Dr. Bockarie’s name

Internet Sources:  
Journey North: http://www.learner.org/jnorth/  
Note there is a multimedia presentation on the parks butterflies on this site!  
National Arbor Day Foundation: http://www.arborday.org/

Title: Create a Butterfly Garden on Campus

Dates: Fridays at 9 am starting Mar 16th for meetings  
Actual planting dates will be arranged depending on when plants arrive on campus

Site Supervisor and On-Campus Coordinator: Dr. Bockarie  
Office: Search Hall 312  
Mailbox: Search Hall 310  
Email: BockarieA@philau.edu  
Office hours: MWF 9-10 am  
215-951-2877

Description: Students will use the library databases and Internet resources to research both local butterfly species and native plants that we’ll be planting. They will make copies and share the information with Dr. Bockarie and Jim Bolton from Physical Plant. They may order plants, till soil behind Smith House on the Ravenhill campus, plant native trees, shrubs and plants, design a sign, design flyers for the campus, communicate with the Public Relations office on-campus and other activities needed to create, maintain and monitor the garden. Students must be willing to work outside in varied weather, be willing to talk to the public and work as part of a team with the campus community.

Directions: 
We will meet in Dr. Bockarie’s office in 312 Search Hall on Friday March 16th at 9 am.