

## SCIE 120

April 17, 2012

**New 1 credit course, to be offered as 4 sections in both Terms 1 and 2;**

### Seeking Instructors

September, 2012: M, T, W, F at 1300 hrs.; January, 2012: M, T, W, F at 1300 hrs.

four separate sections, each section meets once a week for one hour.

SCIE 120 is a new course, focusing on the science of sustainability based on topics covered in Biol 120 and Chem 120/121, and is open to First Year Science students only.

The course sections are limited to about 24 students. The course itself is a part of the Faculty of Science Initiative to make available smaller courses for First Year Science students, in this case a course that emphasizes discussion, and minimizes lectures.

For example, the topic of Biodiversity and Ocean life (Biology) is combined with pH and the  $\text{CO}_2/\text{CO}_3^-$  equilibrium (Chemistry) to discuss the topic of Ocean Acidification in the context of Sustainability of Ocean life and resources.

The modules are:

- A. Introduction to Sustainability;
- B. Ocean acidification;
- C. Energy (Focus on algae as a source of Biofuel)
- D. Sustainability at UBC

A trial of the course was taught this past term, developed by Dr Bradfield, Eric Jandciu, and Dr DeWreede, and taught by Dr. Gary Bradfield. We now have a detailed week-to-week course outline which is available to all faculty in the course.

The course consists of the above 4 modules, and the outline describes the class activities for each day for each module.

Compensation for teaching if this is “above-and-beyond” your normal teaching load is under discussion in the Dean’s office.

For more information contact:

Robert DeWreede ([dewreede@science.ubc.ca](mailto:dewreede@science.ubc.ca)); 604-822-6785; 604-614-6067 (cell)

Professor of Botany (Emeritus)

Associate Dean of Science.