

INTERNATIONAL GRADUATE COURSE ON

“Antarctic Flora & Climate Change: Advances and Perspectives from Ecophysiology”

Punta Arenas, Región de Magallanes y
la Antártica Chilena, Chile
October, 23 to 30, 2014

General Description

This is an international course for graduate students. The course will consist of lectures on the complexity of photosynthesizing organisms from Antarctic and subantarctic region with emphasis in the ecophysiological responses of plants and marine algae to the current scenarios of global warming. Based on reading of specialized scientific articles the students will develop a short research project on one of the topics covered during the course. Two field activities are planned to observe, collect samples and apply methods currently used in plant and algal ecophysiology. This will consider one day cruise along the Magellan Strait aboard the research vessel of INACH. These practical activities as well as the corresponding presentation of literature seminars will be evaluated at the end of the course.



Course Organizers:

Iván Gómez (Universidad Austral de Chile)
Lohengrin Cavieres (Universidad de Concepción)
Luis Corcuera (Universidad de Concepción)
Marcelo Leppe (Instituto Antártico Chileno)
León A. Bravo (Universidad de La Frontera)

Invited Lecturers:

Ryan Fogt (Ohio University, USA)
Peter Convey (British Antarctic Survey, UK)
Danielle Way (University of Western Ontario, Canada)
Pirjo Huovinen (Universidad Austral de Chile, Chile)
Kai Bischof (University of Bremen, Germany)
Cecilia Pérez (Pontificia Universidad Católica, Chile)
Juan Carlos Aravena (Universidad de Magallanes, Chile)
Mercedes Vivas (Universidad de La Frontera -
Universidad de Concepción, Chile)
Patricia Sáez (Universidad de Concepción, Chile)
Angela Sierra (Universidad de Concepción, Chile)

General information:

Iván Gómez (igomezo@uach.cl)
León A. Bravo (leon.bravo@ufrontera.cl)

Registration dead line:

September 12, 2014

Registration Form available:

www.antarcticplantscience.cl
www.algasantarticas.cl



General Topics of the Course

- Overview of climate evolution in Antarctica
- Structure and dynamic of Antarctic and sub-Antarctic plant communities
- Ecophysiology of photosynthesis of Antarctic and sub-Antarctic plant and algae
- Plant and algal responses to environmental factors (e.g. temperature, light, nutrients)
- Plant adaptation and acclimation to global warming

www.antarcticplantscience.cl - www.inach.cl - www.algasantarticas.cl

