

High Latitude Ocean Studies

PROJECT DESCRIPTION

The high latitude oceans are evolving, relating to changes in temperature, freshwater (including from river runoff and glacial), winds and sea-ice. This evolution will have important consequences for their functioning, as well as the role they play in the climate system. Thus, it is important to understand the key physical processes that explain how these oceans work and evolve. Any intern working on this project will work with historical observed ocean data and/or the output from eddy-permitting numerical ocean/sea-ice models to analyze key processes and their variability. Work will generally be carried out using computational scripts written in either fortran or matlab for analysis and visualization purposes.

FACULTY-DEPARTMENT

Science - Earth and Atmospheric Sciences

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [Double First-Class Initiative](#).

DESIRED FIELD OF STUDENT STUDY

Some combination of Math, Physics, Computer Science, Engineering, Oceanography, Atmospheric Sciences - Actually having experience with oceanography or atmospheric sciences less important than strong mathematical/physics/computational skills.

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.