

JOHN SMITH: DEVELOPING HIS MARKETING STRATEGY

PROJECT TITLE:

Effects of Temperature on Predator-Prey Interactions

BIO399Y5

Responsibilities:

- ✦ Work in a lab environment
- ✦ Participate in setting-up, maintaining, and taking down research equipment
- ✦ Collect insects from local ponds
- ✦ Regularly feed live insects used for the project and provide general maintenance
- ✦ Compose a formal write-up of the experiment following published-manuscript guidelines

Qualifications:

- ✦ STA3215/BIO360 required
- ✦ BIO361 preferred
- ✦ Excellent communication skills required
- ✦ Critical thinking and problem-solving capabilities required
- ✦ Being hands-on and independently motivated is expected
- ✦ General interest in ecology/entomology/invertebrate physiology preferred
- ✦ Prior field experience preferred

Study Information :

This research study will empirically determine *if prey activity increases with temperature and if this response is dampened by the presence of a predator*. Using an insect predator/prey system, the student will demonstrate how activity of the prey changes with temperature in combination with the presence or absence of a predator.

The ROP project will be primarily lab based, however it is also expected that the student will collect in the field from local ponds. The position will involve the student working with live insects.

Skills & Experience Sought by Employer	John's Experience
STA3215/BIO360 required	- Took BIO360
BIO361 preferred	- Took course
Communication skills	- Delivered customer service as a Team Hortons Front Team Member - Promoted Library events and services - Wrote instructions to lab partners
Critical thinking and problem-solving capabilities	- Resolving customer complaints at Tim Hortons - Edited the Erindale Biology Society newsletter and social media content

Being hands-on	- Planted trees and vegetables with other Geography Society members
Being independently motivated	- Worked individually in a lab environment
Interest in ecology/entomology/invertebrate physiology preferred	- Interest in ecology – hiking, member of Geography Society
Prior field experience preferred	- Collected tree data as part of a Geography course
Write a research report following specified guidelines	- Knowledge of research techniques - Wrote reports in various courses; received grades of A or higher - Took minutes at Geography Society meetings following guidelines

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