

**University of Guelph  
College of Biological Science  
Department of Human Health and Nutritional Sciences  
Course Outline**

**HHNS\*6930: Research Project  
Fall 2011, Winter 2012, Summer 2012**

**Course Coordinators:**

Fall 2011: Alison M. Duncan, Ph.D., R.D.; Email: [amduncan@uoguelph.ca](mailto:amduncan@uoguelph.ca)

Winter 2012: Alison M. Duncan, Ph.D., R.D.; Email: [amduncan@uoguelph.ca](mailto:amduncan@uoguelph.ca)

Summer 2012: Lindsay E. Robinson, Ph.D.; Email: [lrobinso@uoguelph.ca](mailto:lrobinso@uoguelph.ca)

**Classes:**

This class does not formally meet.

**Course Description:**

This course will involve participation in active research under the guidance of a faculty advisor. Under the supervision of a faculty advisor and building on knowledge gained from either Basic or Applied Research Techniques and Processes (HHNS\*6910 or HHNS\*6920), students will carry out a specific research project to its completion. By doing so, this course will expose the student to the entire scientific process.

**Course Objectives:**

Upon completion of this course, students should:

1. Have a detailed understanding of the complete scientific process.
2. Have improved scientific writing skills.
3. Have improved oral communication skills.

**Evaluation:**

Scientific Poster 30% (graded by course coordinator or designate)

Final Paper 20% (graded by faculty advisor)

Oral Presentation 20% (graded by course coordinator or designate)

Effort/Progress Throughout Semester 30%\* (graded by faculty advisor)

\*The criteria for evaluation of effort/progress throughout the semester may include but is not limited to activities such as independent thought, discipline, problem solving skills, organization, productivity, ability to plan, ethics and safety.

**Details on Scientific Poster:**

The course coordinator will provide detailed instructions regarding the format of an effective scientific poster. Posters will be posted on a specific day (date to be determined each semester but will be during the final examination period). You will be required to stand by your poster for 1-2 hours in order to interact with viewers.

**Details on Final Paper:**

The purpose of the final paper is to communicate your research project. The paper should be written as a scientific manuscript and include: title page, abstract, introduction, methods, results discussion and references. References should be in a consistent style. The length should be discussed between the student and the faculty advisor. The written report will be due at the end of the semester with sufficient time for your faculty advisor to assign a grade, with grades due the last day of the final exam period to the course coordinator.

**Details on Oral Presentation:**

All students registered for this course will gather at the end of the semester to present their oral presentations. The scheduling of the oral presentations will be during the final exam period with the precise date to be determined each semester. The format of the oral presentations will be a 15 minute timeslot per student that must include a few minutes for questions.