

TO BE COMPLETED BY THE HONORS STUDENT AND FACULTY MEMBER

Attach a description of the plan of study keeping in mind the following: Include information on the topic or problem to be examined, the nature of the reading assignments and the number and nature of reports or projects. Indicate how successful completion of the Honors Option will be determined.

Specify meeting dates for student-faculty consultation (must have at least 3 throughout the semester)

Attach a description of how this course provides an Honors experience for the students. What elements are added or changed and how do they relate to the description of Honors courses on the first page? Please attach the regular class syllabus along with any additional information needed to clarify the description (e.g. a reading list, assignment instructions, etc.).

SIGNATURES

Signature of Student

Date 10/1/18

Signature of Sponsor

Date 10/1/18

TO BE COMPLETED BY THE DIRECTOR OF THE HONORS PROGRAM

Honors Option Approved Honors Option Not Approved

Explanation:

Signature of the Honors Director _____

Date _____

GEORGIA HIGHLANDS COLLEGE
Honors Option Contract

Please complete this form & return the original to:

Christina M. Wolfe
Director, Honors Program
Georgia Highlands College, Floyd (F-145)
honors@highlands.edu

TO BE COMPLETED BY THE HONORS

STUDENT

Student Name

Student ID

Address

Home Phone

Cell Phone

Email

Major Biochemistry

Course Number, Section and CRN 1211K, M3, 80443

Course Title Principles of Chemistry I

Semester Fall 2014

Credit Hours 4

TO BE COMPLETED BY THE

FACULTY MEMBER

Professor Name

Title

Division

and Physical Education

Work Phone

Email

Is your division an honors student?

yes no

Honors Option Contract Proposal:

Chemistry 1211K Calcium Study



Georgia Highlands College

Abstract

Calcium deficiency is a one that affects a clear majority of the increasing age population. This study aims to use urinalysis strips from Complete Natural Products, which have been reviewed several times to be accurate and easy to read, that one may test a sample group of individuals. The individuals participating in this study will have their identities be kept private. Several factors will be considered when dissecting and analyzing information such as, but not limited to, age, gender, household income, exercise levels, ethnicity, and whether or not the individual takes calcium supplements. The study will be conducted with a projected group of 50 participants who will take the urinalysis at home and report their findings in a survey style to keep their medical rights safe in accordance to HIIPA. Three days back to back will be the time span that these individuals will collect three individual urinalysis results for myself to average their findings to get a more precise reading. Interviews will also be performed with an even smaller group from the participant pool in order to get more in-depth information that would not be covered in the survey. The results will be charted in different methods to achieve a widespread perception on the findings from this study, and then be adapted into an APA style research journal to present said findings.

Honors Program Inclusion

Chemistry studies the fundamentals of composition, properties, and interactions of matter (Flowers, 2017, p. 11). The curriculum in the 1211K class at Georgia Highlands College offers a great plethora of means of educating students over these topics, but by digressing further into an honors option contract, I relinquish the boundaries and allow myself to study the range of chemistry in a new setting with more in-depth human applications. This research study over calcium levels allows the student, me, to achieve experience in data collection in a medical setting. This experience will be crucial for my background strength in healthcare analysis since I would like to pursue a career in surgery and research. The deeper breadth of this project also demonstrates those qualities of the Honors Program. The cultural aspects will definitely not be left out as well; cultural backgrounds and ethnic customs, such as food, will be taken into consideration when applying a scientific hypothesis to describe the data found in a cultural context. The Honors Program at Georgia Highlands College goes above and beyond to produce students who take a situation and look at it from countless perspectives. I plan to do with this study to further comprehend, and maybe make an additional hypothesis, into the matter of hypocalcemia in American adults.

References

Flowers, P., Theopold, K., Langley, R., Robinson, W. R., Blaser, M., Bott, S., . . . Sault, A.

(2017). *Chemistry*. Houston, TX: OpenStax, Rice University.