

Biology

Contract #	Term	Course	Contract Title	Description
396082	Fall 2018	BIOL 3216K	Twenty-three Chromosomes, One Me	During this project, I will be speculating and examining the results of a genetics test that I purchase from a site called 23andMe. Using the test, I will determine my genetic makeup and ancestry. Before the results, I will meet with Dr. Schwartz and a peer to discuss journals on what we expect and anticipate. Then, we will meet a few more times after the results come in to compare expectations to reality. I will finally compile all the data and discussion gathered and write a reflective essay as the final product.
396083	Fall 2018	BIOL 3216K	Making Genetics Personal: 23andMe	During this project, I will participate in genetic testing from 23andMe and use it to catapult further discussions about genetics with Dr. Schwartz and a fellow student. We will meet with Dr. Schwartz during the semester after having looked through the 23andMe website. We will come up with questions/topics about genetics to discuss in our meetings. During our personal research and also our meetings, we will keep a reflective journal. At the end of the semester, we will present a final paper to Dr. Schwartz detailing our experiences with this contract, new information learned, our reflections, etc.
404082	Fall 2018	BIOL 3216K	23andMe: DNA Genetic Testing & Analysis	For this project, I will be purchasing the 23 and Me Health and Ancestry Kit to find out my genetic background. The 23 and Me Kit will provide information about my ancestry, my genetic health risks, and my carrier status. After obtaining the results, I will write a reflective paper comparing my speculations about my ancestry and health risks prior to receiving my results to my feelings after viewing the results. I will go into detail to discuss findings that are relevant to me and my future such as sickle cell, eye disorders and diseases, and my heritage.
404084	Fall 2018	BIOL 2221K	Childhood Leukemia: Electrified by Power Lines	I will be completing a literature review over the effect of Electromagnetic Fields and Power Lines on childhood Leukemia. Google Scholar will be my starting data base in choosing articles in which I will learn from. My goal of this paper is to introduce cancer as a whole, then refine it in terms of EMF.
404091	Fall 2018	BIOL 3216K	My Genetics: Past, Present, and Future	Under the supervision of Dr. Schwartz, I will be undergoing a 23 and Me analysis. In said analysis, I will learn more of my genetic history. This will include my ancestral past (what ethnic components I am comprised of), my wellness (how my genetic predispositions affect my health status) my susceptibility to certain disease as well as if I am a carrier that could possibly pass a trait along to my children, and a plethora of more information that my DNA provides. This information coincides with what we have been learning in class such as how your genetic composition (genotype) can affect your observable characteristics (phenotype) as well as how environmental factors such as healthy eating and exercising can delay the onset of diseases that I may be susceptible to.