



HASTI FADAKAR

INTEGRATED SCIENCE
AMBASSADOR

4TH YEAR, MAJOR

THEME OF MY INTEGRATION:

By integrating physiology and pharmacology, I hope to gain a deeper understanding of the physiological differences between men and women and discover how and why the same dose of the same drug can affect each gender differently.

WHAT I AM INTEGRATING:

DISCIPLINE #1

Physiology:

Human physiology is the study of cells, organs and biochemical functions of the body. I have always been fascinated by how the human body works; how even the smallest components can play a significant role in the overall function of the body. Learning about the way all these structures are put together and work together as a unit would allow me to better understand the mechanisms underlying human disease and how medications aim to treat these diseases.

DISCIPLINE #2

Pharmacology:

Pharmacology is the science of drugs and how they affect the body. This field involves the study of drugs mechanism of action, their interactions with receptors and other molecules in the body.

SAMPLE CURRICULUM RATIONALE

BIOL 458- Developmental Neurobiology

This course will allow me to understand the physiology and function of the nervous system and the underlying causes of neurological disorders.

PCTH 400- Systematic Pharmacology

By taking PCTH 400, I would be able to enhance my knowledge on the mechanism of action of drugs, more specifically neural, cardiovascular, and clinical pharmacology.

CONTACT

far_hasti@yahoo.com