COURSE Goal I: Foster—an appreciation for the causal relationship between the Human genome/cell physiology and Disease, and Demonstrate—how an understanding of the genetic/molecular nature of the cell has and will continue to enhance development of effective therapeutics.

Goal II: This course also aims to link molecular biological processes to observable genetic disease phenotypes in humans. In the process, opportunities to leverage advanced computational tools for the purposes of drug discovery may present themselves. To this end, students will complete two structural biology focused research projects throughout the semester.