psychological and personal responses to what is, arguable, the most significant crisis in the history of our species. If you commit to fully engaging with this course, you can expect to: 1-Discover how questions can be powerful catalysts for learning; 2-Grow in your ability to see both yourself and Planet Earth from new and liberating perspectives; 3-Appreciate the power of critical thinking and personal reflection as a means to both personal and global transformation 4-Realize that you, should you choose, can play a significant role in the healing of our world.

Bachelor of Arts: Natural Sciences
General Education: Natural Sciences (GN)
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Key Literacies
GenEd Learning Objective: Soc Resp and Ethic Reason

BISC 4: Human Body: Form and Function
3 Credits

BISC 4 Human Body: Form and Function (3) (GN) (BA) This course introduces students to the biological principles fundamental to understanding human life. Cell structure, biochemistry and metabolism, and the structure and function of major organ systems are explored in the course. Special emphasis on the relationship of the functioning of the human body to human disease is also emphasized. Upon completion of the course, students will be able to describe the basic biochemical, structural and functional characteristics of cells. They will learn the roles of carbohydrates, lipids, proteins and nucleic acids in cells and in the body as a whole. They will understand how these molecules are used in building cell and body structures, in energy-releasing metabolism and in the copying and use of genetic information. Students will also be expected to explain how different organ systems enable the body to meet the need for support structures, oxygen, nutrients, waste elimination, internal communication, defense against infectious disease and cancer, coordination of internal activity, and reproduction. To provide context for the normal workings of the human body, students will also analyze human diseases and the current understanding of the underlying pathophysiology. As a course that meets general education (GN) requirements, students will increase their scientific literacy, their critical and analytical thinking, and ethical reasoning skills. Students will ultimately be able to use the knowledge gained in this course to better understand disease processes, and will be able to make better informed decisions regarding to their health and well-being. Students who have passed BIOL 129, 141, 161 and 163 may not schedule this course.

Bachelor of Arts: Natural Sciences
General Education: Natural Sciences (GN)
GenEd Learning Objective: Crit and Analytical Think
GenEd Learning Objective: Key Literacies