You and your classmates are members of the medical staff for NASA’s new long term space program. As medical and biological experts, you are tasked with three primary goals:

1) Select the crew and design the ship for this mission
2) Design the biomedical experiments that they will conduct during their journey and at their destination
3) Keep everyone alive

You will have to use all of your knowledge of human anatomy and physiology, ecology, microbiology, cell biology and genetics to accomplish these tasks. You will be working as six teams each targeting a specific subject area (nervous, endocrine, cardiopulmonary, gastrointestinal/renal, immune, musculoskeletal), however each team member will have a distinct specialty within that overarching subject. To succeed in the course you need to work on your own and with each other to make choices, overcome unexpected challenges, and try not to kill anyone. During the course of your journey you will gain a general understanding and appreciation of fundamental biological concepts.