

FIT: Health Science Syllabus

Monday 7/6	Tuesday 7/7	Wednesday 7/8	Thursday 7/9	Friday 7/10
<p><i>All instructors</i></p> <p>Introduction, Discussion of course objectives, and selection of case study</p> <p>Introduction to the human body (SS)</p>	<p><i>D Bikle</i></p> <p>Medicine and clinical trials</p>	<p><i>S Srirangapatanam</i></p> <p>Precision and preventative medicine</p>	<p><i>M Stoller</i></p> <p>Cancers and surgery</p>	<p><i>A Riley</i></p> <p>Dentistry and oral health</p>
Monday 7/13	Tuesday 7/14	Wednesday 7/15	Thursday 7/16	Friday 7/17
<p><i>All instructors</i></p> <p>Ethics in healthcare: dissecting a case study</p>	<p><i>All instructors</i></p> <p>Debate: Who has a greater impact? The earth or the human?</p>	<p>Breakout room session to extract pathologies and specialties from selected case reports</p>	<p>Preparation and rehearsing for presentation</p>	<p>Presentation Day</p>

Central questions:

- The human body: What are the 5 major organ systems of the body? What is the current state of clinical journey for patients? What is a case report and what essential items of a case report?
- Medicine and clinical trials: What does “Medicine” mean? What does it mean in the clinical world? What is comorbidity? What is diabetes and how many types of diabetes exist? What is a clinical trial and why is it important? What is the normal process of clinical trials for drugs and devices? How are they similar and how are they different?
- Prevention and precision medicine: What role does data play in medicine? What does preventative medicine mean? How do we prevent a disease? How do we eradicate a disease? What does precision medicine mean? How precise is precision medicine?
- Cancers and surgery: What is cancer? How many major types of cancers do we have? How do we classify cancers? What are the treatment options? What happens during surgery and what are the specialties involved in surgery? How does one become a surgeon? How is surgery similar to medicine and how is it different?
- Dentistry and oral health: What is dentistry? Why is dental health important? How is dental treatment different across the US and the world? What role does food, bacteria and the earth play in dental health? How does dental health relate to other organ systems?
- Ethics in healthcare: What happened during the “Tylenol murders of 1982?” Who are the stakeholders in healthcare settings? What role does a for-profit company play in Ethics? What role does court play in ethics? What is patient autonomy (studied through a brief case study)?
- Earth and the human (debate): Who has a greater impact: The Earth or the Human?