



**ST. JOHN'S  
UNIVERSITY**

**THE LESLEY H. AND WILLIAM L.  
COLLINS COLLEGE OF  
PROFESSIONAL STUDIES**

**By Design or Default?**

**Students' Creativity in Rehabilitation and Sport Science Courses (4)**

**Global Awareness Society International Annual Meeting**

**Las Vegas 05/26/2023**

**Dr. Emese Ivan**

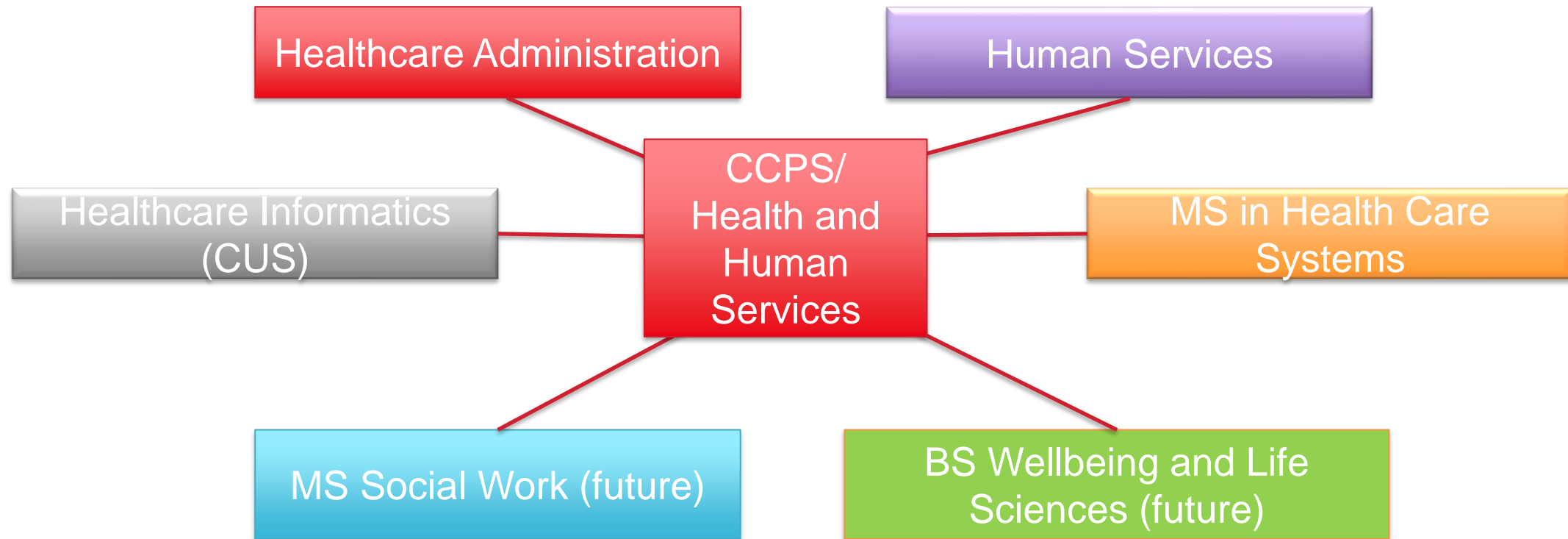
**St John's University, CCPS, Division of Health and Human Services**

## Sustainable Development Goal 4 (or Global Goal 4)

- It is about quality education and is among the 17 Sustainable Development Goals established by the United Nations in September 2015.
- The full title of SDG 4 is "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all"
- Among 10 targets measured by 11 indicators is to 'ensure education for sustainable development and global citizenship'

## Who we are?

CCPS houses majors in healthcare management related fields (offered and under development):



# Social Awareness and Design Thinking Projects in HHS

- We prepare students for **careers in traditional and emerging professions**. As they graduate poised to tackle the challenges of today, tomorrow, and beyond.
- We are a **launchpad for innovators, entrepreneurs, and explorers — problem solvers** who want to change the world for the better.

## Project of discussion today:

- HSA 1200 “History of Rehabilitation: Health, Exercise and the Body” (UG) – Design Thinking



# Health and Human Services: Management and Leadership

Major components of our UG/G Curriculum:

- Social Awareness is an integral component of our UG/G Health and Human Services programs
- Focusing on decision making, problem solving and thinking habits that lead to bias
- Students learn the basic elements as well as being open to the emerging changes in the profession of health administration
- Encouraging students who already either have internships or work experience to share their experiences in the field.

## Observe, Imagine, Make – Project Based Teaching

- One way to accomplish is using *design thinking methodology*
- The Covid-19 pandemic has given us numerous examples of *what has been neglected and what is needed in healthcare => observation of and reflection on real-life situations*
- *Physical and mental health are tied to a variety of elements: i.e., housing, socio-economics, trust in clinical practice, how marginalized populations are viewed and treated, access to treatment*
- ***In having the students gain knowledge, observing and being conscious of the world, leads to their understanding of the reality faced by the communities at large***

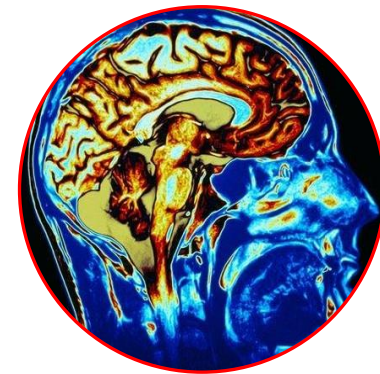
# History of Rehabilitation: Health, Exercise and the Body

UG Curriculum is divided into 3 parts:

- Historical overview and development of rehabilitation sciences
  - Medical – Military – Social connection over decades
- Role of Exercise in Rehabilitation Medicine
  - Exercise in the rehabilitation of specific diseases, patient populations, and conditions
- Creative Rehabilitation Plan Research Project (DF)
  - “Design in action”: interdisciplinary approach

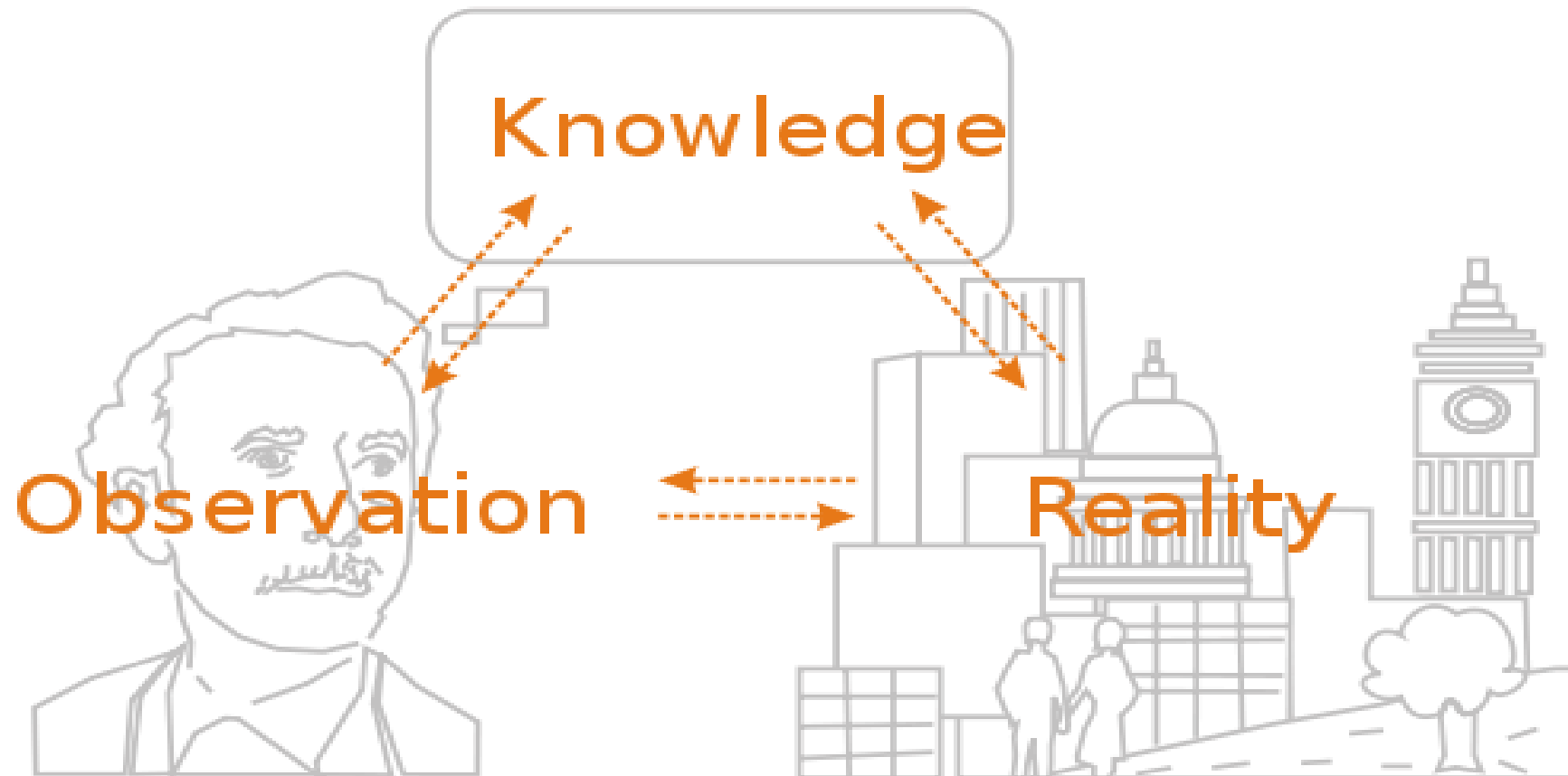
# Creative Rehabilitation Plan – Research-DF Project

- Human Centered Principles (Empathy; Codesign; Social Determinants)
- Creative Mindset Methods (*Questioning/Observation; Research/Visualizing; Prototyping; Storytelling*)
- Choose from conditions treated by physiatry (PM&R) and discussed in class:  
Musculoskeletal                      Cardiovascular/Pulmonary                      Neurologic





# Adaptation of Design Thinking Methodology to HHS



## **Students' Experience, Feedback, Future Directions**

**(3 AYs 55 students participated)**

### **Demographics and background:**

- **26 female and 19 male students (including 7 veterans)**
- **Majoring in HHS, SPM, ADS, PSY, HLS, CRJ, LST (diverse)**
- **73% has had already experience with rehabilitation in some form**
- **20% would like to continue in social work**



### **Projects developed:**

- **Technology driven/apps re digital health record keeping; wellness**
- **Management of patient flow in hospital/ER setting**
- **Sport medicine/physical therapy application**
- **In and outpatient service education and management (info flow)**

### **Feedback:**

- **Want to spend more time on it – request for additional practical time (2 semesters?)**
- **Include patients/"real people" - survey instead of observations only**
- **Class should be f2f – include Health Design Lab experience**

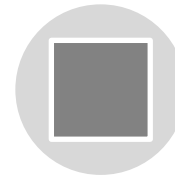
## Existing Lab Spaces for Innovation & Design/Art Connection with SDG and Health Design at CCPS



The Farella Innovation  
Lab & St. John's  
Design Factory



Health Design Lab



Designed by us OR  
created by default?

## Questions and Answers

Thank you for your interest in SJU/CCPS Health and Human Services' Projects!