**IIMP6030 Cross-disciplinary Design Thinking (Fall 2022)**

**Course Outline**

**Course description:**
This course focuses on user-collaborative design methods for generating inclusive product solutions that integrate stakeholder and product functionality perspectives. Students will create specified product/process/policy/protocol/plan (5P) concept models through the use of recursive user feedback engagement methods, experimental prototyping, and divergent and convergent ideation strategies. Featured topics include design thinking; stakeholder research; concept development, screening, and selection; and interaction design.

**Intended learning outcome:**

On successful completion of the course, students will be able to:

* Explain and practice design thinking in problem solving.
* Conduct hands-on user-research on target users.
* Apply critical thinking to guide their research.
* Communicate and collaborate effectively in a teamwork environment.
* Perform presentations efficiently.
* Maintain clear documentation.
* Adjust their mindset to explore under uncertainties.

**Course instructor:**

Dr. ZHANG Rong

**Class schedule:**

Tuesday 15:00 - 16:50

Classroom: Room 5619 (Lift 31/32)

**Course outline:**

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| **Week** | **Content** |
| 1 | Introduction |
| 2 | Empathy |
| 3 | Empathy – interview |
| 4 | Interview sharing |
| 5 | Problem Definition |
| 6 | 3-Challenge Presentation |
| 7 | Brainstorming |
| 8 | Convergent thinking  |
| 9 | Idea selection + Project Management |
| 10 | Prototyping |
| 11 | POC demonstration + User Test |
| 12 | Storytelling |
| 13 | Final demo |

**Grading scheme:**

