VIST 405 Visual Studies Studio III

Instructor: Jinsil Hwaryoung Seo

Course Information

- ↗ 3:00pm – 5:30pm (Mon, Wed)

- ↗ Langford C304A

Jinsil Hwaryoung Seo, PhD

Who is she?

- Jinsil **Hwaryoung** Seo

- Jinsil Seo

- J. Hwaryoung Seo

- Hwaryoung Seo

Who is she?

↗ Interactive Artist/Designer/Researcher

↗ PhD, Interactive Art

↗ MFA, Computer Art

↗ MA, Media Art

↗ BA, Information Science

Who is she?

- Research Interests
  - Interactive Immersive Environment
  - Soft/Organic Interface Design
  - Aesthetics of Experience

Contacts

- Email: hwaryoung@tamu.edu

- Web: http://www.embodiedimmersion.com

- Office: Langford C418-B

- Office hours by appointment

TAs?

- Morgan Jenks (mjenks@viz.tamu.edu)
  - Office hour : 2:30pm – 3:30pm, Tuesday

- Stephen Aldriedge (stevo25@neo.tamu.edu)
  - Office hour : 2-3pm, Wednesday

Course Description

↗ VIST 405 will expand on previous studio **experiences exploring the interplay of physical and virtual experiences** in the context of interactive art, design and technology practice. Students will learn **advanced visualization techniques in the Mixed Reality (VR and AR) environments focusing on applications for advancing health care and well-being.** It will focus on the emergence of interdisciplinary inquiry and practice. The aim of the course is to **develop an understanding of the field of innovative visualization for health with an emphasis on Immersive experience** to create better educational and research environments. This studio provides students with the opportunity to develop skills, knowledge and aesthetic experience in interactive media art and design.

Course Description

↗ Students will be involved in **two design situations** that will challenge them to integrate advanced visualization techniques and health related problems. These will range in scale from group research projects to small design exercises. **Collaboration** in this course is critical even though projects may be tailored to the specific design interests of the individuals in the class. **VIZ students will collaborate with graduate students from the Architecture department for smart care spaces.**

Course Objectives

Upon successful completion of this course students will be able to:

↗ Explore and utilize experimental concepts and techniques for health and well-being

↗ Explore embodied interaction in mixed media environments

↗ Include completed design/research projects from the class in their portfolio

↗ Submit/publish creative works and research papers in national, international events/conferences

↗ Exhibit their work in various venues with greater impact and coherence

Topical Outlines
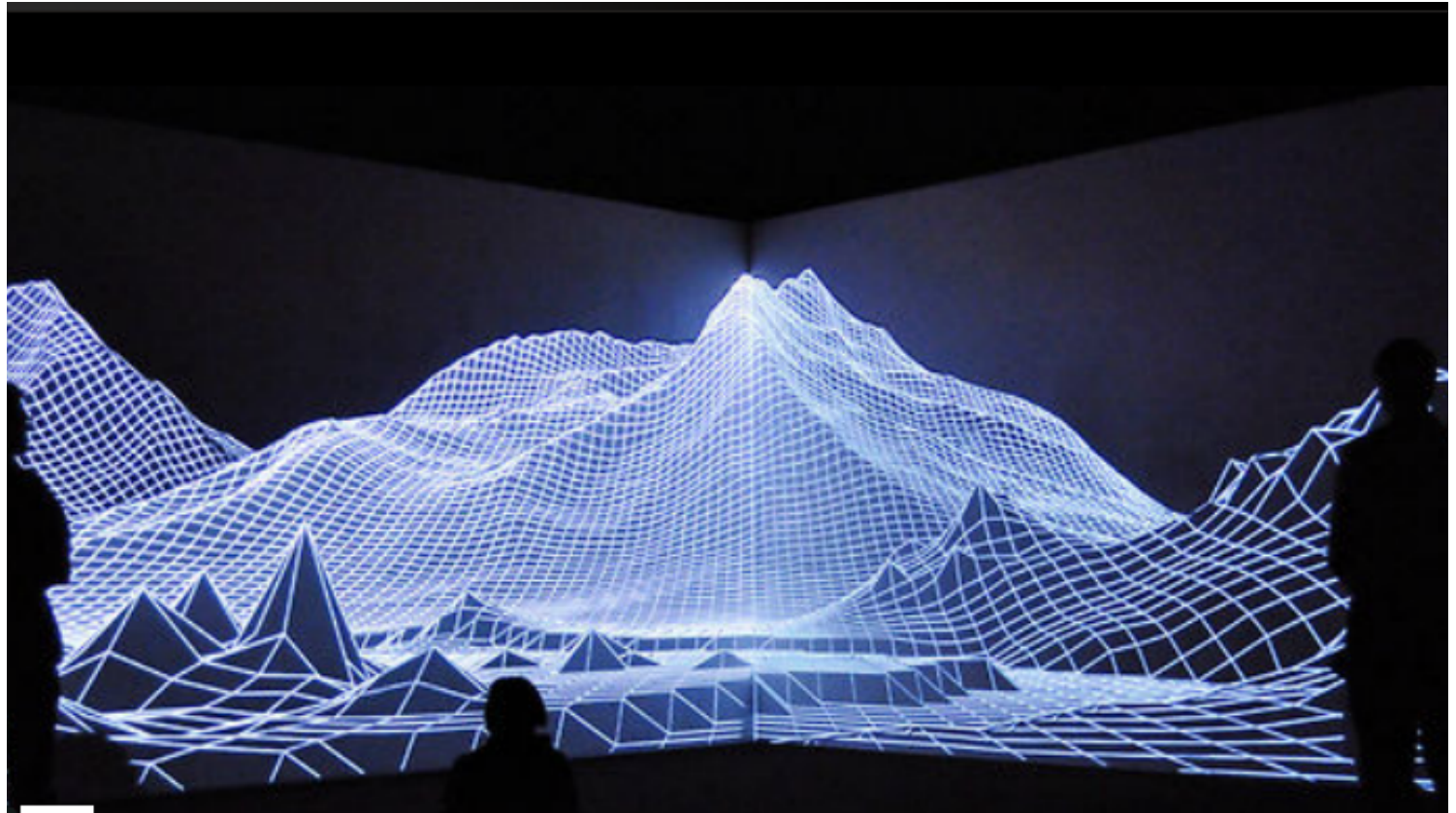
Topics covered in the course are:

➚ Virtuality Continuum

➚ Virtual Reality, Augmented Reality

➚ Navigable Space

➚ Healthcare and wellness

Plan

- Project 1: 3D Projection Mapping for Wellness/ Health care

- Project 2: Navigable Space (VR, AR) for Healthcare environments

- Documentation

- Research Paper

⬈ 3D Projection Mapping for Wellness/Health care

Examples

- ↗ http://vimeo.com/3297097#

- ↗ https://vimeo.com/10692284

Project 2

- Task: Navigable Space (VR, AR) for Healthcare environments

- Collaboration with Architecture Department

↗ http://www.youtube.com/watch?v=VrgWH1KUDt4&feature=relmfu

Mark Jenkins

Examples from Last year

↗ 3D Projection Mapping

    ↗ http://www.embodiedimmersion.com/?p=141

↗ Navigable Space

    ↗ Circuitree

Grading Criteria

- ↗ Project 1: 35%

- ↗ Project 2: 35%

- ↗ Research + Documentation: 15%

- ↗ Research Paper: 10%

- ↗ Class Participation: 5%

- ↗ TOTAL 100%

Special notes on schedule

- Week 2-7
    - Hwaryoung will take maternity leave for SIX weeks
    - Morgan and Stephen will take care of the class

- September 3
    - Morgan will be out of town
    - Stephen will take care of the class

Major Dues

- ↗ October 8 (Week7)
  - ↗ Technical Rehearsal

- ↗ October 10 (Week7)
  - ↗ Project 1 Exhibition

- ↗ October 15 (Week8)
  - ↗ Due for Documentation Video of Project 1
  - ↗ Meeting ARCH607 students for collaborations

Major Dues

- ↗ November 19 (Week13)
  - ↗ Technical Rehearsal

- ↗ November 21 (Week13)
  - ↗ Project 2 Exhibition

- ↗ November 30 (Week14)
  - ↗ Co-Presentation with ARCH 607 in Houston

- ↗ December 4 (Week15): Technical Rehearsal for VIST Show

- ↗ December 5 (Week 15): VIST Show

- ↗ December 7 (Week 15): Due for Research Paper, Documentation

↗ http://www.embodiedimmersion.com

↗ http://www.bodyinterface.com

↗ Course website

  ↗ http://www.embodiedimmersion.com/?p=595

Who are you?

↗

Assignment

- ↗ Documentation Blog
  - ↗ http://www.wordpress.com/ (Recommended)
  - ↗ http://www.blogger.com/

↗ By next studio,

    ↗ Please set up your blog (introduce yourself with an image)

    ↗ Prepare a short presentation (10 slides, 20 seconds each) on yourself and your artworks

    ↗ Email your blog address to Stephen by 12pm Wednesday

    ↗ Post your slides (pdf) on your blog before 3pm Wednesday

↗ Bring your Laptop

↗ Projection Mapping Software: madmapper