

## **Universal Design for Healthy Aging: Mobility, Metrics and Memory**

DSGN 410 (26217) /510 (26218)

Winter 2020

4 credits

**Only Seniors and Graduate students in the College of Design can apply for this class. All COD majors are welcomed. We will accept up to 20 students for this unique opportunity.**

### **Course Application Link:** [here](#)

The application will ask you to submit one slide/page of your best work and written statements about your interest in taking the course.

### **Instructors:**

Susan Sokolowski, PhD: Sports Product Design

Mark Fretz, DDS, Assoc AIA: Architecture, Institute for Health in the Built Environment

Esther Hagenlocher MArch: Interior Architecture/Architecture

Michael Salter, MFA: Art

### **Course Dates:**

Saturday, January 18 <sup>th</sup> , 2020	12 to 4pm Portland (UO White Stag Building)
Saturday, February 1 <sup>st</sup> , 2020	12 to 4pm Eugene (UO Olive Street Studio)
Saturday, February 15 <sup>th</sup> , 2020	12 to 4pm Portland (UO White Stag Building)
Saturday, February 29 <sup>th</sup> , 2020	12 to 4pm Eugene (UO Olive Street Studio)
Saturday, March 14 <sup>th</sup> , 2020	12 to 4pm Portland (UO White Stag Building)

### **Course Overview:**

Our population is aging. Thirteen percent of the U.S. population is over 65, and the National Institute on Aging predicts this demographic will double over the next ten years. We propose to augment the health of this population by deconstructing siloed design thinking and synthesizing a synergistic interaction of product, architecture, interior architecture and art to innovatively address the concept of “mobility, memory and metrics” through a Universal Design lens and cross-disciplinary perspective.

This class is generously funded through the Tinker Hatfield Award for Innovation. The goals of the class are to generate strategic partnerships between College of Design students, faculty, national and international industry experts in product, architecture, interior architecture and art to synergistically innovate and address the concept of “mobility, memory and metrics”. The course will provide twenty UO College of Design seniors and graduate students from Eugene and Portland the ability to learn together from faculty in Product Design, Architecture, Interior Architecture and Art to address the design needs of the aging population. Students will work between the three themes of mobility, memory and metrics, and as the course develops, they will individually develop a healthy aging design opportunity, including a prototype/model; based upon field work, research, industry feedback and iteration. The course will include guest subject expert presentations, individual research and critiques with experts in diverse fields of design. They also all work in the healthy aging and/or universal design fields. All students will have the opportunity to be part of an industry symposium in Portland on May 14, 2020 and exhibit at local and/or national shows based on successful output.

The course will be co-located between the Eugene and Portland campuses, so students from both locations can collaborate together, have access to key industry partners and faculty throughout the coursework. Transportation will be provided during the course.

**Learning Outcomes:**

As a result of taking DSGN 410//510, students will learn how to:

- Work with different disciplines in the field of design.
- Conduct user research and work with data from a course-specific study.
- Navigate & understand the innovation process, in order to critically define new opportunities that generate new knowledge in the field.
- Communicate new opportunities with peers, users, industry experts & instructors through verbal presentation and exhibition design.

**Outline of Subjects & Topics Explored:**

Pre-class

- Students to complete CITI certification and survey.

Saturday, January 18<sup>th</sup>, 2020

- Overview of class.
- The aging body: through expert presentation on memory, metrics and mobility.

Saturday, February 1<sup>st</sup>, 2020:

- Student background research and project pitches.
- Work session with review of ideas

Saturday, February 15<sup>th</sup>, 2020:

- Midterm Ideation review with industry practitioners.

Saturday, February 29<sup>th</sup>, 2020:

- Concept review at 75% completion. COD faculty + expert review.

Saturday, March 14<sup>th</sup>, 2020:

- Final course review.

**Class Letter Grading:**

A = 93% TO 100%	A- = 90% TO 92%	B+ = 87% TO 89%	B = 83% TO 86%
B- = 80% TO 82%	C+ = 77% TO 79%	C = 73% TO 76%	C- = 70% TO 72%
D+ = 67% TO 69%	D = 63% TO 66%	D- = 60% TO 62%	F = 59% & UNDER

PLEASE NOTE: No incomplete grades will be allowed for this class

**Course Policies & Information:**

All assignments must be ready to turn in/review at the beginning of class, on the date indicated on the course calendar. You must turn in assignments on time, regardless of whether you attended class on the due date. Plan ahead.

Canvas & U of O email: check Canvas & your email regularly. Handouts, assignments, changes to our class calendar & special announcements will be posted on canvas.

As a courtesy, please refrain from using mobile devices (talking/texting) during class. Please have your device turned off or on silent mode.

Assistance: if you are having any difficulty with this class or have any questions, please do not hesitate to contact us.

**Documented Disabilities:**

Students who have a documented disability & anticipate needing accommodations in this course should make arrangements to see the instructor as soon as possible. They should also request that the UO accessible education center send a letter verifying the disability.

**Academic Misconduct:**

You are expected at all times to do your own work. Copying content from other students & submitting it as your own work is grounds for failing the class. The university student conduct code (available at [conduct.uoregon.edu](http://conduct.uoregon.edu)) defines academic misconduct. Students are prohibited from committing or attempting to commit any act that constitutes academic misconduct.

**Plagiarism:**

Students should properly acknowledge & document all sources of information (e.g. quotations, paraphrases, ideas). If there is any question about whether an act constitutes academic misconduct, it is the student's obligation to clarify the question with the instructor before committing or attempting to commit the act. Additional information about a common form of academic misconduct, plagiarism, is available at <http://library.uoregon.edu/guides/plagiarism/students/index.html>

**Inclusion Statement:**

The College of Design is a community that values inclusion. We are committed to equal opportunities for all faculty, staff & students to develop individually, professionally & academically regardless of ethnicity, heritage, gender, sexual orientation, ability, socio-economic standing, cultural beliefs & traditions. We are dedicated to an environment that is inclusive & fosters awareness, understanding, & respect for diversity. If you feel excluded or threatened, please contact your instructor &/or department head. The university bias response team is also a resource that can assist you. Find more information at their website at: <http://bias.uoregon.edu/index.html> or by phoning 541-346-2037.

**Architecture Students NAAB Criteria:**

This course addresses the following 2014 NAAB Student Performance Criteria:

- A.1 Professional Communication Skills
- A.2 Design Thinking Skills
- A.3 Investigative Skills
- A.6 Use of Precedents
- A.8 Cultural Diversity and Social Equity
- C.1 Research
- C.2 Integrated Evaluations and Decision-Making Design Process