Social Impact Practicum (SIP) Courses, Projects, and Partners
2019-2020 Academic Year

19F (September 16-November 19)

ENGL 52.16 God, Darwin, and the Literary Imagination
Christie Harner
- *Fairbanks Museum*: Creating an interactive museum exhibit entitled “Deus Ex Homine,” exploring evolutionary and religious narratives as constructions of mankind

ENGS 89 Engineering Design Methodology: Project Initiation
Solomon Diamond & Douglas Van Citters
- *Children’s Hospital at Dartmouth (CHaD) & Special Needs Support Center (SNSC)*: Designing a sensory (deprivation/modulation) pod to de-escalate young people and children with special needs at the Children’s Hospital at Dartmouth (CHaD)

ENGS 174 Energy Conversion
Mark Laser
- *City of Lebanon (Public Works)*: A feasibility study assessing the use of vegetable oils as a carbon neutral energy source for fuel and heating
- *Connecticut River Conservancy (CRC)*: An energy conversion feasibility analysis of battery storage for three distinct hydroelectric plants

PBPL 45 Introduction to Public Policy Research
Ron Shaiko
- **Grant-writing For**: City of Lebanon; Good Neighbor Health Clinics (GNHCs); Headrest; Maynard House; Preservation Education Institute for Historic Windsor Inc. (PEIHWI); Restore Hope-Liberia; Special Needs Support Center (SNSC); Twin Pines Housing Trust; Upper Valley Community Nursing Project; Upper Valley Habitat for Humanity; We The People Theatre

PSYCH 53.10 Social & Affective Motivations in Decision-Making
Luke Chang
- *AVA Art Gallery*: Proposing creative solutions to how the AVA art gallery can support the new (younger, more digital) creative economy of the Upper Valley
- *City of Lebanon (Solid Waste and Recycling)*: Exploring how best to educate the public about proper waste removal, what is/is not recyclable, and what happens when items are mis-allocated
- **Dartmouth-Hitchcock Medical Center (DHMC)-Arts**: Analyzing why attendance has been low at DHMC's quarterly art shows (and what could be done differently to engage more people)

**PSYCH 80.04 Neuroscience of Obesity**  
- **Ann Clark**

- **Dartmouth-Hitchcock Medical Center (DHMC)-Community Health Department**: Researching evidence-based practices in curriculum and pedagogy for school-aged youth regarding obesity and its related health consequences

**SART 17 Digital Drawing**  
- **Karol Kawiaka**

- **Senior Solutions**: Designing a new logo moving away from the term “Senior” as a way to identify aging older Vermon ters

**SART 66/69 Architecture II/III**  
- **Karol Kawiaka**

- **Norwich Public Library**: Re-envisioning the NPL's children's section to enhance movement “flow”, organization, and educational programming

- **Upper Valley Humane Society (UVHS)**: Architectural designs for a new UVHS clinical and educational “campus”

**SOCY 10 Quantitative Analysis of Social Data**  
- **Jason Houle**

- **Upper Valley Community Nursing Project (UVCNP)**: Analyzing health outcome data to explore whether and to what extent there are significant differences in health across the region

**SOCY 11 Research Methods**  
- **Kimberly Rogers**

- **Headrest**: Designing a methodological tool to measure the success/sustained recovery from clients once they leave the Low-Intensity Residential Treatment facility

- **Norris Cotton Cancer Center (NCCC)**: Creating a methodological process to assess the barriers and facilitators for rural cancer survivors' transition out of active cancer treatment back to their primary care providers (PCPs)

- **The Upper Valley Haven**: Assessing the Haven's longitudinal impact on generational poverty and exploring the ideal “dose”/length of engagement

- **WISE**: Redesigning the survey for the Court Observers program so WISE can better assess how to support survivors during and after they appear in court
SOCY 35  Sociology of Mental Health  Jason Houle

- Dartmouth-Hitchcock Medical Center (DHMC)-Arts: Connecting with the 99 Faces exhibit and creating a response piece about the current and evolving stigma associated with mental illness

SOCY 65  The Social Psychology of Inequality  Kimberly Rogers

- The Upper Valley Haven: Assessing the Haven's longitudinal impact on generational poverty and exploring the ideal "dose"/length of engagement
- WISE: Redesigning the survey for the Court Observers program so WISE can better assess how to support survivors during and after they appear in court

TUCK  Tuck Community Consulting (TCC)

- Children's Hospital at Dartmouth (CHaD): A Return on Investment (ROI) report on the work of CHaD's fundraising and impact to determine the most effective use of staff time and investment
- Good Neighbor Health Clinics (GNHCs): Conducting focus groups to qualitatively explore the barriers that may exist with respect to physician referrals to GNHCs
- Headrest: Re-branding support and patient journey mapping to demonstrate impact and affective resonance for the work of Headrest
- Upper Valley Humane Society (UVHS): Designing a business plan exploring revenue-generating options that both financially support UVHS and simultaneously contribute to the needs of other local shelters in the process

- Social Impact Nonprofit Consulting (Dartmouth Student Group)
  - Hulbert Outdoor Center/The Aloha Foundation: Research on the current needs/wants of teenage homeschooled students and how the Aloha Foundation can meet those needs through targeted programming

20W (January 6-March 6)

COLT 70.05  The Environmental Imagination  Damiano Benvegna

- Upper Valley Land Trust (UVLT): Documenting the synergistic relationship between land conservation and the storytelling that cinematography especially can provide
CS 29.04/PBS 15  Impact Design  Lorie Loeb & Thalia Wheatley

-  Hartford Autism Regional Program (HARP): Creating personalized experiences of delight for students at HARP

EDUC 46  STEM and Education  Dave Kraemer

-  AVA Art Gallery: Developing professional development curriculum merging experiential and arts-based ways for students to engage with STEAM concepts

ENGL 54.05  Animal Studies: Theory, Literature, Politics  Christie Harner

-  Upper Valley Humane Society (UVHS): Using research and literature to legitimize the funding of animal welfare as a form of broader social work

ENGS 15.02  Senior Design Challenge, part 1  Eugene Korsunskiy

-  DHMC-Serious Illness Health Care Delivery Incubator: Designing facilitated inter-provider and provider-patient communication with the goal of improving patient satisfaction and care.
-  Suffering the Silence: Creating an innovative way for individuals living with multiple chronic illnesses to track and graph various (and often multi-facteted and overlapping) symptoms to better inform their healthcare
-  Upper Valley Adaptation Workgroup (Vital Communities): Designing a tool to answer the question from Upper Valley residents, “what else can I do to combat climate change...and where do I start?”
-  Windsor Central Supervisory Union (WCSU): Creating a personalized externship program for educators within WCSU that connects teachers with local businesses and organizations to align in-class experiences with the applied world outside

ENGS 90  Engineering Design Methodology: Project Completion  Solomon Diamond & Douglas Van Citters

-  Children’s Hospital at Dartmouth (CHaD) & Special Needs Support Center (SNSC): Designing a sensory (deprivation/modulation) pod to de-escalate young people and children with special needs at the Children’s Hospital at Dartmouth (CHaD)
ENVS 80.03  Regenerative Design of the Built Environment  Karol Kawiaka

-  *Hulbert Outdoor Center (within the Aloha Foundation)*: Conducting a waste audit to improve sustainability in the areas of waste use/reuse and energy/water conservation more broadly

PSYC 54.06  Aging and Life Stories  Bob Santulli

-  *Hanover Senior Center; Hanover Senior Housing; The Kendal at Hanover*: Collecting life stories and memories of older residents of the Upper Valley

SART 65  Architecture I  Karol Kawiaka

-  *Crossroads Academy*: Designing innovative shelving and furniture for a new outdoor classroom
-  *LISTEN Community Services*: Re-designing LISTEN's food pantry

SPEE 26  How New Media Shape Our Lives:  Yana Grushina

-  *Children’s Hospital at Dartmouth (CHaD)*: A social media analysis of CHaD's current strategies, with targeted suggestions for how to better communicate their impact with different stakeholders
-  *Maynard House*: Exploring the successful social media practices of peer organizations and suggesting ways to broaden Maynard House's community outreach and awareness building

N/A  Foundations in Social Impact, Part 1  Seth Arico & Leah Torrey

-  **Social Impact Nonprofit Consulting/SINC (Dartmouth Student Group)**
  -  *Dartmouth-Hitchcock Medical Center-Arts*: Designing innovative ways DHMC can incorporate the arts into their diversity and inclusion initiatives for patients and families representing the full spectrum of identities
  -  *Upper Valley Habitat for Humanity*: Consulting on the structure and proposal of Employer-Assisted Housing (EAH) and how that might be implemented locally
  -  *Upper Valley Adaptation Workgroup (UVAW)*: Conducting a regional assessment of key local stakeholders (including staff) in the field of climate change and resiliency work in the Upper Valley
20S (March 30-June 3)

**ANTH 65** 
Conservation and Development Ken Bauer
- *Town of Lyme*: Coordinating multi-stakeholder conversations about Holt’s Ledge and the many entities who differently benefit from the property

**EDUC 19** 
Educational Testing Dave Kraemer
- *Crossroads Academy*: Assessing the quantitative praxis between the theory and application of learning
- *The Aloha Foundation*: Evaluating the connection between soft skills and more traditional measures of academic performance

**EDUC 20** 
Educational Issues in Contemporary Society Charlie Wheelan
- *Hanover High School; Lebanon High School; Mascoma Valley High School*: Comparing and contrasting educational practices and retention across three school districts: Canaan, Hanover, and Lebanon

**ENGS 15.02** 
Senior Design Challenge, Part 2 Eugene Korsunskiy
- *DHMC-Serious Illness Health Care Delivery Incubator*: Designing facilitated inter-provider and provider-patient communication with the goal of improving patient satisfaction and care.
- *Suffering the Silence*: Creating an innovative way for individuals living with multiple chronic illnesses to track and graph various (and often multi-facteted and overlapping) symptoms to better inform their healthcare
- *Upper Valley Adaptation Workgroup (Vital Communities)*: Designing a tool to answer the question from Upper Valley residents, “what else can I do to combat climate change...and where do I start?”
- *Windsor Central Supervisory Union (WCSU)*: Creating a personalized externship program for educators within WCSU that connects teachers with local businesses and organizations to align in-class experiences with the applied world outside

**ENGS 44** 
Sustainable Design Karol Kawiaka
- *Upper Valley Habitat for Humanity*: A life-cycle analysis of Habitat’s housing materials to minimize the costs to homeowners while maximizing house longevity AND
Consulting on cost-efficient home designs that maximize accessibility for homeowners as they age

ENVS 50  Environmental Problem Analysis and Policy Formulation  Michael Cox
- **Hulbert Outdoor Center**: Research around whether (and if so, how) being in an outdoor setting supports learning in all environments, including in both the classroom and the workplace
- **The Upper Valley Trails Alliance (UVTA)**: Policy analysis and informed research on Active environmental issues in the Vermont state legislature in Montpelier
- **Vital Communities**: Designing a Car-Less Upper Valley: innovative solutions to what changes and products would need to be put in place to support an Upper Valley that is no longer reliant on personal vehicles

ENVS 80.08  The Practice of Science Policy and Diplomacy  Melody Brown Burkins
- **Four Winds Nature Institute (FWNI)**: A policy brief or presentation exploring how to advance educational policy aligned with child development and the benefits from playing in nature
- **Preservation Education Institute for Historic Windsor Inc. (PEIHWI)**: Educating policy officials about the disproportionate impact that climate change has on historic buildings and communities
- **Vermont Institute of Natural Sciences (VINS)**: Communicating and impacting policy about global climate change in a way that educates and empowers rather than discourages or polarizes

GEOG 50  Intro. to Geographic Information Systems (GIS)  David Parr
- **TBD**

PSYC 54.05  Consumer Neuroscience  Rose Clark
- **Headrest**: Website update to accurately reflect the important work Headrest does supporting individuals in recovery across three states
- **Maynard House**: A website revision demonstrating the scope of Maynard House’s impact, for/with whom, and how others can get involved
- **Twin Pines Housing Trust**: An infographic brochure sharing the impact of Twin Pines over the past thirty years providing homes and supportive services for low- and moderate-income households throughout the Upper Valley
PSYC 81.09  Storytelling with Data  Jeremy Manning

- The Aloha Foundation: Identifying donor data trends to understand more about those who choose to support nature-based education and how the Aloha Foundation might evolve programming or outreach accordingly

SPEE 20  Public Speaking  Yana Grushina

- Children’s Hospital at Dartmouth (CHaD): Targeted writing to share the impact of CHaD, both on-campus with Dartmouth students and throughout the state
- Upper Valley Habitat for Humanity: Developing public-facing narrative informing the community about Upper Valley Habitat for Humanity.

N/A  Foundations in Social Impact, Part 2  Seth Arico & Leah Torrey

**Year-Long** (September-June)

- Class of 1982 Upper Valley Community Impact Fellowship  Leah Torrey
  - City of Lebanon: Research and programming to re-envision what it looks like for Lebanon to celebrate and educate across sectors (education, law enforcement, government) about the value of diversity in the Upper Valley
  - Valley Court Diversion Programs (VCDP): Supporting the Sullivan county schools alongside VCDP staff to educate about the long-term impact on educational equity in using restorative justice practices with students as opposed to punitive ones

- Eichler ’57 Fellowship for Healthcare Leaders  Elizabeth Carpenter-Song & Manish Mishra
  - Good Beginnings of the Upper Valley (GBUV): Advancing a “telehealth” pilot program promoting peer-to-peer support for isolated new moms living remotely
  - Good Neighbor Health Clinics (GNHC): Researching and designing a Best Practices model (and manual) for free health clinics AND Research to close the access to healthcare gap for uninsured and under-insured people in the Upper Valley
  - Hartford Autism Regional Program (HARP): Exploration of HARP’s Applied Behavioral Analysis (ABA) intervention strategy and associative augmentative pedagogy practices
  - Public Health Council (PHC): Deepening the understanding of childhood food insecurity in the Upper Valley by exploring how local school systems can influence the
health outcomes of students AND the gaps and opportunities to reduce lead exposure and subsequent health consequences in New Hampshire and Vermont

- **Senior Solutions:** Advancing policy and promotion of benefits programs targeted toward the well-being of under-resourced older adults AND Supporting a new peer-to-peer mentoring program for aging veterans

- **WISE:** Improving protocol and accessibility of domestic violence screenings in the Upper Valley

- **Primary Care Progress (Dartmouth Student Group)**

  - **Restore Hope-Liberia:** Crafting culturally relevant health messaging around HIV and teen pregnancy for Middle School and High School youth in Liberia