

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

**19F (September 16-November 19)**

<b>ENGL 52.16</b>	<b>God, Darwin, and the Literary Imagination</b>	<b>Christie Harner</b>
	<ul style="list-style-type: none"><li>- <i>Fairbanks Museum: Creating an interactive museum exhibit entitled "Deus Ex Homine," exploring evolutionary and religious narratives as constructions of mankind</i></li></ul>	
<b>ENGS 89</b>	<b>Engineering Design Methodology: Project Initiation</b>	<b>Solomon Diamond &amp; Douglas Van Citters</b>
	<ul style="list-style-type: none"><li>- <i>Children's Hospital at Dartmouth (CHaD) &amp; 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)</i></li></ul>	
<b>ENGS 174</b>	<b>Energy Conversion</b>	<b>Mark Laser</b>
	<ul style="list-style-type: none"><li>- <i>City of Lebanon (Public Works): A feasibility study assessing the use of vegetable oils as a carbon neutral energy source for fuel and heating</i></li><li>- <i>Connecticut River Conservancy (CRC): An energy conversion feasibility analysis of battery storage for three distinct hydroelectric plants</i></li></ul>	
<b>PBPL 45</b>	<b>Introduction to Public Policy Research</b>	<b>Ron Shaiko</b>
	<ul style="list-style-type: none"><li>- <i>**Grant-writing For**:</i> 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</li></ul>	
<b>PSYCH 53.10</b>	<b>Social &amp; Affective Motivations in Decision-Making</b>	<b>Luke Chang</b>
	<ul style="list-style-type: none"><li>- <i>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</i></li><li>- <i>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</i></li></ul>	

- *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 Vermonters*

**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*
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**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)*

<b>ENVS 80.03</b>	<b>Regenerative Design of the Built Environment</b>	<b>Karol Kawiaka</b>
	<ul style="list-style-type: none"> <li>- <i><u>Hulbert Outdoor Center (within the Aloha Foundation)</u>: Conducting a waste audit to improve sustainability in the areas of waste use/reuse and energy/water conservation more broadly</i></li> </ul>	
<b>PSYC 54.06</b>	<b>Aging and Life Stories</b>	<b>Bob Santulli</b>
	<ul style="list-style-type: none"> <li>- <i><u>Hanover Senior Center; Hanover Senior Housing;The Kendal at Hanover</u>: Collecting life stories and memories of older residents of the Upper Valley</i></li> </ul>	
<b>SART 65</b>	<b>Architecture I</b>	<b>Karol Kawiaka</b>
	<ul style="list-style-type: none"> <li>- <i><u>Crossroads Academy</u>: Designing innovative shelving and furniture for a new outdoor classroom</i></li> <li>- <i><u>LISTEN Community Services</u>: Re-designing LISTEN's food pantry</i></li> </ul>	
<b>SPEE 26</b>	<b>How New Media Shape Our Lives: Rhetoric, Theory, and Praxis</b>	<b>Yana Grushina</b>
	<ul style="list-style-type: none"> <li>- <i><u>Children's Hospital at Dartmouth (CHaD)</u>: A social media analysis of CHaD's current strategies, with targeted suggestions for how to better communicate their impact with different stakeholders</i></li> <li>- <i><u>Maynard House</u>: Exploring the successful social media practices of peer organizations and suggesting ways to broaden Maynard House's community outreach and awareness building</i></li> </ul>	
<b>N/A</b>	<b>Foundations in Social Impact, Part 1</b>	<b>Seth Arico &amp; Leah Torrey</b>
	<ul style="list-style-type: none"> <li>• <b>Social Impact Nonprofit Consulting/SINC (Dartmouth Student Group)</b> <ul style="list-style-type: none"> <li>- <i><u>Dartmouth-Hitchcock Medical Center-Arts</u>: Designing innovative ways DHMC can incorporate the arts into their diversity and inclusion initiatives for patients and families representing the full spectrum of identities</i></li> <li>- <i><u>Upper Valley Habitat for Humanity</u>: Consulting on the structure and proposal of Employer-Assisted Housing (EAH) and how that might be implemented locally</i></li> <li>- <i><u>Upper Valley Adaptation Workgroup (UVAW)</u>: Conducting a regional assessment of key local stakeholders (including staff) in the field of climate change and resiliency work in the Upper Valley</i></li> </ul> </li> </ul>	

**20S (March 30-June 3)**

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|-------------------|---|--------------------------|
| <b>ANTH 65</b>    | <b>Conservation and Development</b>   | <b>Ken Bauer</b>         |
|                   | <ul style="list-style-type: none"><li>- <i><u>Town of Lyme</u>: Coordinating multi-stakeholder conversations about Holt's Ledge and the many entities who differently benefit from the property</i></li></ul>   |                          |
| <b>EDUC 19</b>    | <b>Educational Testing</b>  | <b>Dave Kraemer</b>      |
|                   | <ul style="list-style-type: none"><li>- <i><u>Crossroads Academy</u>: Assessing the quantitative praxis between the theory and application of learning</i></li><li>- <i><u>The Aloha Foundation</u>: Evaluating the connection between soft skills and more traditional measures of academic performance</i></li></ul>  |                          |
| <b>EDUC 20</b>    | <b>Educational Issues in Contemporary Society</b>   | <b>Charlie Wheelan</b>   |
|                   | <ul style="list-style-type: none"><li>- <i><u>Hanover High School; Lebanon High School; Mascoma Valley High School</u>: Comparing and contrasting educational practices and retention across three school districts: Canaan, Hanover, and Lebanon</i></li></ul>   |                          |
| <b>ENGS 15.02</b> | <b>Senior Design Challenge, Part 2</b>  | <b>Eugene Korsunskiy</b> |
|                   | <ul style="list-style-type: none"><li>- <i><u>DHMC-Serious Illness Health Care Delivery Incubator</u>: Designing facilitated inter-provider and provider-patient communication with the goal of improving patient satisfaction and care.</i></li><li>- <i><u>Suffering the Silence</u>: 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</i></li><li>- <i><u>Upper Valley Adaptation Workgroup (Vital Communities)</u>: 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?"</i></li><li>- <i><u>Windsor Central Supervisory Union (WCSU)</u>: 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</i></li></ul> |                          |
| <b>ENGS 44</b>    | <b>Sustainable Design</b>   | <b>Karol Kawiaka</b>     |
|                   | <ul style="list-style-type: none"><li>- <i><u>Upper Valley Habitat for Humanity</u>: A life-cycle analysis of Habitat's housing materials to minimize the costs to homeowners while maximizing house longevity AND</i></li></ul>  |                          |

*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**

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**\*\*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*