

Department	Faculty Member	Does your research relate to Sustainability (now or in the past three years)?	Research Described by the Faculty Member
Anthropolgy SASW	Anita Carrasco	Yes	Impacts of copper mining water extraction on indigenous livelihoods in the Chilean Andes.
Biology	Eric baack	Yes	I have worked with students to look at pathogens in the Upper Iowa River and their sources: human (eg leaking septic systems) or livestock (eg manure runoff into streams.)
Biology	Stephanie Fretham	Yes	I had an ISF funded project looking at nematodes and exposure to neonicatinoid pesticides. The project ended in 2019.
Biology	Brian Hiester	Yes	The broad context of this project is to investigate evolved herbicide (glyphosate) resistance in plants. Glyphosate kills plants by inhibiting the protein EPSP Synthase, and one mechanism of evolved resistance to glyphosate is an increase in the number of EPSP Synthase genes in the genome of a given plant. The goal of this project is to determine whether there is any copy number variation of the EPSP Synthase gene in populations of the invasive plant Alliaria petiolata (Garlic Mustard), which could be indicative of potential glyphosate resistance.
Biology	Kirk Larsen	Yes	Insect biodiversity surveys and management of natural areas on pollinator and natural enemy populations on the landscape.
Biology	Dawn Reding	Yes	Research on declining populations of gray fox in Indiana, looking at factors including habitat changes, increasing coyote populations, disease, food availability, barriers to movement and dispersal. Research on impacts of wind turbines on bat populations.
Chemistry	Molly Wilker	Yes	My current research project involves making materials that could be used to store hydrogen gas. This could be applied to hydrogen fuel systems.
Computer Science	Roman Yasinovskyy	Yes	In Summer of 2020 Dr. Iversen and I supervised a summer research project that focused on the energy consumption in various campus buildings. Students used machine learning techniques and tools to analyze and visualized the data. Data were provided by the facilities and the sustainability office.
Computer Science, Math	Phil Iverson	Yes	1. Create a dashboard to track Luther's electricity use by building over time. Analysis includes tracking and quantifying trends. 2. Develop methods for measuring and analyzing Luther's water use across campus. Look for ways to reduce usage.
Communications	Thomas Johnson	Yes	My recent documentary films, Ironhead (2015) and Marieke (2017), both broadly pertain to sustainability efforts. The former regarding art. And, the latter regarding food.
EAM	Brittany Cord	Yes	I am a faculty advisor for a summer social impact fellowship. We pair business and social work students with service organizations in the Decorah community to fill a need or help solve a problem.

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Economics	Steve Holland	Yes	I did a small project last year that compiled the economic research on the costs and benefits of electric vehicle ownership. I will be starting a project soon that examines the potential economic impact of an electric vehicle corridor in NE Iowa.
English	Amy Weldon	Yes	My writing (fictional, creative-nonfictional, and writing-pedagogical) lifts up realities of climate and possibilities for how readers may approach and understand these issues better in their own lives. For an example, see the excerpts from AN AWFUL RAINBOW: READING THE ROMANTICS IN A WORLD ON FIRE at my website, amyweldon.com
English, IDS	Novian WhitSit	Yes	I'm working on an anthology of primary texts of Black American Intellectuals, covering the last three centuries. The works speak to the wide variety of Black intellectual creations and achievement, and the common thread is their commitment to social change in the interest of justice, equity, and sustainability.
Environmental Studies	Laura Peterson	Yes	Some of my research has focused on soil health in different types of agricultural systems, in particular focused on assessing soil health changes associated with the practice of relay cropping. This research connects to larger questions about the sustainability of agriculture and the potential for regenerative agricultural techniques to restore soil fertility and reduce the environmental impacts of food production.
Environmental Students, Philosophy	Jon Jensen	Yes	My research focuses on community flood resilience in the Upper Iowa River Watershed. Working with a team of faculty, students, and community partners we studied community responses to the 2016 flood and ways to enhance community flood resilience.
History, International Studies	Victoria Christman	Yes	I am working on a Masters degree in Refugee Protection and Forced Migration Studies through the Uni of London. My thesis research is on refugee education, particularly on participation in US higher ed, and outcomes for refugee youth. I see this as connected to sustainability broadly defined, both in terms of social justice and in terms of climate change, as more youth will become forced migrants as a result of climate change in the coming years.
MLL	Nancy Gates Madsen	Yes	I wrote an article about the tensions between human rights and ecological issues as seen in the Nicaraguan novel Waslala (Gioconda Belli), which critiques the differential development and economic inequality that results from human exploitation of natural resources. My research explored how attention to the universal principles of ecological balance may undermine the human rights of individuals constrained by geography or economic class, as well as how the human right to property is implicated in global ecological crisis.
Political Science	Orcun Selcuk	Yes	I conducted some research on Ecuador's concept of buen vivir that in line with the indigenous cosmology of coexistence with nature. Left-wing populists in Latin America strive to achieve sustainability but also undermine it through the extraction of natural resources.

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Political Science, Environmental Studies	Rachel Brummel	Yes	I have had at least three projects: 1) I've collaborated on research related to community flood resilience in the Upper Iowa River. 2) I've done research on elements of equity with regard to electric vehicles and EV policy. 3) I've begun pedagogical research exploring ways to promote student agency in environmental studies classrooms.
Religion	Gereon Kopf	Yes	analysis of the relationship between human agents and the environment.
SASW	Char Kunkel	Yes	I am researching institutional transformation strategies for equity which is the human part of sustainability: anti-bias, anti-racism, anti-capitalist exploitation, anti-patriarchy, etc.
SASW	Maryna Bazylevych	Yes	<p>My recent work has addressed the issues of organized labor from anthropological perspective. Specifically, I looked into the trade union organizing around health care reform in Ukraine (my ethnographic research site). Trade union mobilization was informed by a specific vision of health care as a human right and a desire to see this commitment from the state continue in light of neoliberal reforms that are unfolding in the country. In the grand scheme of things, this research is about a debate about what constitutes a just society, which I tried to discuss using ethnography.</p> <p>One of my previous projects, sponsored by the Nena Amundson fellowship, focused on the notions of wellbeing among Ukrainian youth faced with the military conflict in Ukraine that draws on young people as soldiers and medical staff. This project ended up demonstrating increased reliance on self-sufficiency discourse and self-fashioning citizen-subjects, indicative of the same neoliberal logics that my trade union research also revealed.</p>
VPA	Jeff Dintaman	Yes	In my design work I have been exploring the process of designing and executing sustainable scenery for productions. This includes the use of using green and recycled materials.
VPA, IDS	Jane Hawley	Yes	My research always with the Movement Fundamentals paradigm applies connectivity of the human animal body to the larger earth body/environment. Currently, my research through the Nena Amundson Professorship involves sustainability through "Sensing Identity: applying Movement Fundamentals in search for selfcare, selfhood, and self-agency" relates directly to how we offer and create responsibly, not only toward sustainable health but rather regenerative agency in our ongoing wellness. And finally, Practicing Embodiment (PAID 450) study away course in Costa Rica offers regenerative eco farming or permaculture practice daily in relationship to embodied being and becoming.
	Loren Toussaint	Yes	Sustainable communities are ones that have healthy children (or at least not obese) and who can learn to live at peace with their families, neighbors, and friends. My work with the Food and Fitness Initiative and my forgiveness work focus on these things.