

Provost Immersive Learning Grant Recipients

Fall 2017

Solar Start Project: Powering the Islamic Center of Muncie with Renewable Energy (SSP) – Spring 2018

Project Director: Sherif Attallah
Construction Management & Interior Design

Abstract: In the Solar Start Project (SSP), 10 undergraduate students in Construction Management [CM]/Architecture will engage in the design and installation process for a solar panel system being professionally installed on the roof of the Islamic Center of Muncie (ICM). Students will make design suggestions and, following installation, the class will monitor and analyze the system's energy generation performance and disseminate their results to external audiences.

Let's Movie Design Studio: Creating Innovative Engagement Strategies for Turner Classic Movies (TCM) – Spring 2018

Project Director: Richard Edwards
Division of Online and Strategic Learning

Abstract: In this continuing project, students will identify, conceive, design, and build new educational/edutainment opportunities that celebrate musicals, as a genre, and attract existing and potential viewers to Turner Classic Movies' (TCM) innovative programming.

Immersive Learning: Analysis of Fluid Viscosities Used to Treat Human Dysphagia – Spring and Fall 2018

Project Director: Mary Ewing, Speech Pathology and Audiology
Ranjith Wijesinghe, Physics & Astronomy

Abstract: In the field of Speech-Language Pathology, there is lack of standardized recipes for thickened liquids used to treat patients diagnosed with dysphagia. This continuing project focuses on the use of physics and objective testing of viscosity, specifically examining the type of thickening agent used, the time required to obtain the appropriate viscosity, and the temperature that is optimal for serving the thickened product.

Architecture for Extreme Environments – Fall 2018 and Spring 2019

Project Director: George Elvin
Architecture

Abstract: The Architecture for Extreme Environments project takes Ball State students to extreme environments to learn design strategies from nature and educate the public about resilient design for our changing climate. This grant will enable students to continue existing community partnerships and create new ones, expanding outreach to local youth and public. Funding will enable students to create new environmental education exhibits for local schools, parks, libraries, and events.

Nutrition Grows on You! A Nutrition Demonstration Project for 4th Grader Students in Muncie Public Schools – Spring 2018

Project Director: Carol Friesen
Nutrition and Health Science

Abstract: Studies show that if children learn basic cooking skills, they are more likely to eat healthier, and, when they leave home, prepare healthier meals for their own families. In this project, Chef Christopher Polo, Executive Chef for the Muncie Public Schools, and senior dietetics students in NUTR 456 Community Nutrition, will collaborate to develop lessons and provide healthy cooking demonstrations for elementary students in the Muncie public schools.

Digital Audience Analytics Consulting for Local Media Outlets – Spring 2018

Project Director: Miao Guo
Telecommunications

Abstract: Through teaching audience analytics and understanding their applications, this immersive learning project aims to offer the client ideas to help increase both engagement and revenue through digital optimization. The ultimate goal of this continuing project is to link class practices in audience analytics with the needs of media broadcasters in a real world. Students will perform an analysis of a media organization's digital properties such as Website, SEO, mobile apps, and various social media accounts.

Glass Design: Technology & Industry – Fall 2018

Project Director: Jennifer Halvorson and Brent Cole
School of Art

Abstract: The Glick Center will collaborate with Ardagh Group, a global leader in glass manufacturing, in this two-part course. Students shall review the history and advances of the glass industry in the mid-nineteenth century, and then explore contemporary

technology and programming methods. This course will prepare students to engage with industry and view their individual practice in a broader scope.

Immersive Heritage: Managing Archaeological Sites with the Ottawa National Forest – Spring, Summer and Fall 2018

Project Director: Mark Hill and Kevin Nolan
Anthropology

Abstract: The Ottawa National Forest (ONF), located in the Upper Peninsula of Michigan, needs a management plan for sensitive archaeological sites in order to meet regulatory requirements. Mentors will guide up to 40 students in the production of a Historic Property Plan. Students will learn application of law, method, and scientific analysis to provide a product that benefits the public and ONF resource managers.

High Riding Art and Equestrian Camp – Summer 2018

Project Director: Ruth Jefferson
Special Education

Abstract: This continuing project will provide a summer equestrian camp experience for children with disabilities. Elementary Education and Special Education students will be recruited, but participation will be open to any interested student. Students will work in teams, planning and implementing the two-week summer experience.

Rethinking the Stories We Publish, Shelve, and Read: Rethinking Disability in Children's and Young Adult Literature – Fall 2018

Project Director: Darolyn Jones
English

Abstract: Diversity in children's literature is critical in constructing culture and community identity. Children grow up and are conditioned by the stories they read, hear, and are retold as children. By rethinking the characters we write and read into children's and young adult literature, we can help shift the stigma associated with being disabled.

The Ara Project – Spring 2018

Project Director: Shanetta Pendleton and Deborah Davis
Journalism

Abstract: The Ara Project is a conservation organization based in Costa Rica whose mission is to restore the endangered Macaw population. Ball State students will collaborate with this international organization to help shape public policy and promote conservation of the endangered Macaw species, globally, through the planning and implementation of a complex, public relations campaign.

DANCE! Muncie After-School – Spring 2018

Project Director: Melanie Swihart
Theatre and Dance

Abstract: Through the “DANCE! Muncie After-School” project, a student team will gain real world experience teaching dance in Muncie Community Schools. Empathetic, knowledgeable, and inspiring dance teachers are in demand, and DANCE! Muncie provides students more opportunities to develop their instructional skills under faculty mentorship and in different cultural contexts. Students will engage in research, instruction, and reflection to develop and refine program curriculum.

Mathematics in Cultural Contexts 2018: Emergent professionals today and responsible educators tomorrow – Spring 2018

Project Director: Lynette Varner, Elementary Education
Sheron Fraser-Burgess, Education Studies
Sheryl Stump, Mathematical Sciences

Abstract: This project develops professional competencies of pedagogy, context and content in teacher candidates, in general, but specifically promotes mathematical thinking in K-5 students. This experience will prepare students to be culturally relevant professionals who can contribute to the education field and broader society in responsible ways that a democracy demands.