



2013 ENGAGED LEARNING PROJECTS

70 PROJECTS

New projects =60; Continuing Projects = 10

...in 20 COUNTRIES:

Australia, Bangladesh, China, Ethiopia, France, Indonesia, Italy, New Zealand, Nigeria, Pakistan, Panama, Peru, Russia, United Kingdom, Scotland, Spain, Switzerland, United States (32 projects in DFW!), Uganda and Vietnam

RESEARCH (32)

1. Senior Joshua Abramovitch will create a simple and inexpensive device that can be used to accurately measure gamma and x-ray flux and calculate radiation dose rates. (Major: PHYS, ME; Mentor: Dr. Andy Liu)
2. Senior Mariam Alaka will work at an orphanage in Nigeria that serves children whose parents have succumbed to AIDS and while there gauge children's knowledge and prevention of HIV/AIDS. (Major: PSYC; Mentor: Dr. George Holden)
3. Senior Raha Assadi will study the effectiveness of a dropout prevention program in Plano Independent School District directed towards Hispanic girls. (Major: SOCI, SPAN; Mentor: Dr. Sheri Kunovich)
4. Senior Lauryn Bodden has begun a food as culture project locally and, while studying in London, will expand her knowledge of the glocal food movement, comparing Londoners' attitudes about food and eating habits with Americans. (Major: APSM, COMM; Mentor: Dr. Owen Lynch)
5. Senior Daniel Brock will explore, through self and social awareness, how ethical decision-making for the energy industry and lawmakers can be both profitable and free of political and personal biases. (Major: MNO; Mentor: Maria Richards)
6. Senior Kevin Bruemmer will develop original ^{13}C MRI contrast agents to detect chemical species important in clinical and biological processes. (Major: CHEM; Mentor: Dr. Alex Lippert)
7. Senior Morgan Cain will research economic, socio-political and personal movements impacting organizational structures in Moscow to identify key relationship and factors that will lead to the widespread adoption of eco-friendly practices (Major: ECON, MKCL; Mentor: Anne Lincoln)
8. Junior Aaron Chu will evaluate the performance of the iFlame laser transmitter before, during and after irradiation to examine its viability for usage on the Large Hadron Collider in Switzerland. (Major: ME; Mentor: Dr. Annie Xiang)
9. Senior Kalindi Dinoffer will research profiles of female entrepreneurs in the United States and produce an academic paper on the similarities and differences of self-employed and employed women. (Major: MKTG; Mentor: Dr. Maria Minniti)
10. Junior Fantine Giap will develop and distribute cancer information pamphlets to patients in Vietnam and then develop a mathematical model to assess the spread of health knowledge in Vietnamese public hospitals. (Major: BIOL; Mentor: Dr. Thomas Carr)
11. Senior Michael Graves will research effective communication practices of the United Methodist church and contribute to a chapter of Dr. Dixon's book, *In Between Sundays – Strategic Communication in the Church*. (Major: COMM, RELI; Mentor: Dr. Maria Dixon)
12. Senior Derek Hawkes will research the successes and failures of technology usage by orchestras for revenue-increasing purposes, and publish a set of effective mobile use guidelines for similar groups. (Major: PERB, AMAE; Mentor: Dr. Maria Dixon)
13. Senior Jeffrey He will research the cultural effects of the Western fast food industry on China. (Major: BIOL; Mentor: Dr. Guangyan Chen)
14. Junior Preston Hutcherson will enroll in the same humanities course at two institutions, SMU and Richland College, to be able to answer to what extent is the value of a course tied to the amount we pay for it. (Major: ENGL; Mentor: Dr. Tim Cassedy)

15. Senior Kirsten Johansson will research the environmental laws of the United States and Australia and will provide policy recommendations for the United States with ways to improve the effectiveness of ocean policies and improve the quality of oceans. (Major: ENVR, PP; Mentor: Dr. H. Troy Stuckey)
16. Junior Janice Kim will assess the health and cancer literacy of Vietnamese women and explore various sources from which these women are able to obtain their health information. (Major: BIOL; Mentor: Dr. Smith-Morris)
17. Junior Christina Lollar will research sulfur ylide and develop a novel sulfur ylide mediated synthetic technique for the preparation of benzil derivatives. (Major: BIOCHM, FREN; Mentor: Dr. Lippert)
18. Senior Emily Mankowski will research the historical racism of the Aboriginal people in Australia to shed light on present-day discrimination as well as efforts to remediate discrimination. (Major: HRTS; PLSC; Mentor: Dr. Rick Halperin)
19. Senior Ricky Mouser, pending
20. Junior Kyle Nakatsuka will research urban revitalization in communities with deep socioeconomic needs and strong movements towards cultural self-determination, comparing contemporary native American communities of Taos and Hawai'i. (Major: BIOL, SPAN, LAAM, HRTS; Mentor: Dr. Mike Adler)
21. Junior Gabriella Padgett will study the environment that fosters success in the classroom and the ability to think and perform creatively, comparing peer education in the U.S. and China. (Major: MATH, CRCOMP; Mentor: Dr. Ira Greenberg)
22. Junior Anish Patel will research the functionalization of carbosilane-thioether dendrimers. (Major: BIOCHEM, MATH; Mentor: Dr. David Son)
23. Senior An Phan will study the bureaucracy, opinion and naturalization process of the Spanish immigration system in Madrid, Spain. (Major: COMM, SPAN; Mentor: Ms. Angie Nozaleda)
24. Senior Sean Potter will investigate the impact of transient measurement error on personality assessment in a diverse community sample. (Major: PSYC, MNO; Mentor: Dr. Michael Chmielewski)
25. Senior Mike Ren will research nutrition literacy and its relationship to healthcare in China. (Major: BIOL; Mentor: Dr. Richard Jones)
26. Senior Rebecca Swarm, using the Café Momentum program as her subject of study, will research the traits, attributes and experiences that increase the likelihood of success of young men enrolled in the program. (Major: SOCI; Mentor: Dr. Sheri Kunovich)
27. Senior Jaison Thomas will compare the healthcare models of Boston, Massachusetts and Dallas, Texas through researching the health literacy of the homeless populations. (Major: BIOL, FINA; Mentor: Dr. Teresa Strecker)
28. Senior Hayley Wagner will assess the medical needs and health care availability for Congolese refugees in Hurst, Texas and will provide suggestions for improvement. (Major: ANTH, FREN, HRST; Mentor: Dr. Victoria Lockwood)
29. Senior Charles Wysocki will research the molecular mechanism of lifespan extension through dietary restriction. (Major: BIOL, CHEM; Mentor: Dr. Johannes Bauer)

Continuing 2012 Research Projects

30. Senior Eric Alt is designing a compound to remove heavy metals from polluted environments. (Majors: CHEM, ME; Mentor: Dr. Dieter Cremer)
31. Senior Justice Pirkey is undertaking a toxicology study of Asian Carp, an invasive species of fish, prevalent in the Mississippi River. (Major: MATH; Mentor: Dr. Yeo-Jin Chung)
32. Senior Basma Raza is researching societal perceptions of herself as female, Muslim, married, and student, to explore similarities within differences between cultures and ethnicities. (Major: COMM; Mentor: Dr. Owen Lynch)

COMMUNITY SERVICE (18)

1. Junior Juliana Bond will work toward developing a viable model of organic and sustainable micro-farming techniques as part of the SMU Community Garden project. (Major: MNO; Mentor: Dr. Elaine Heath)
2. Senior Delanah Colbert will work with UBELONG in Cusco, Peru to develop and deliver a culturally relevant health education program addressing nutritional disorders. (Major: INTL; Mentor: Dr. Carolyn Smith-Morris)
3. Senior Maria Cole will develop a life-skills training program for adults focusing on positive parenting and child-rearing success. (Major: PSYC; Mentor: Dr. Williams-Rossi)
4. Senior Parminder Deo will contribute to the SMU residential commons initiative by researching the University of Oxford's long-standing residential commons model. (Major: BIOL, JOUR; Mentor: Dr. Dan Orlovsky)
5. Senior Jordan Fields will create a communications plan for the SMU Spanish Club. (Major: PR, COMM; Mentor: Dr. Rita Linjuan Men)
6. Senior Zachary Friske, along with Mustang EMS and SMU Office of Risk Management, will develop and launch a SMU Cardiovascular Incident Prevention/Response Program. (Major: BIOCHM; Mentor: Lee Arning)
7. Junior Hanan Hassan, volunteering with Vision on Africa, will develop a life skills tool kit of basic business concepts as a result of working with economically deprived women and youth of Yeka sub-city, Ethiopia. (Major: ACCT, ENGL; Mentor: Dr. Maribeth Kuenzi)
8. Senior Ghazala Janmohamed will assemble traveling displays of archeological and ethnographic materials from Picuris Pueblo, presently stored at SMU-in-Taos, to educate the public about the long span of human occupation in the Northern Rio Grande region, New Mexico. (Major: ANTH, INTL; Mentor: Dr. Mike Adler)
9. Junior Danielle Katz will use her Spanish skills and education minor to volunteer at an over-populated kindergarten in Cuzco, Peru through the non-profit UBELONG. (Majors: SPAN, EDU, PSYC; Mentor: Dr. Renata Égüez)
10. Junior Derek Phanekham will work on the SMU Community Garden project with the intent to develop it as an interdisciplinary learning site to learn about viable, small scale agricultural models transferable to blighted urban neighborhoods. (Major: CSE, MATH; Mentor: Dr. Elaine Heath)
11. Junior Daisuke Takeda will expand Green Riba, an e-commerce and traditional micro-finance storefront, to connect West Dallas and SMU-based artists to larger, national markets. (Major: FINA; Mentor: Ms. Regina Nippert)
12. Junior Lucy Yu, with Global Medical Brigades Panama, will coordinate a doctor shadowing experience this summer for pre-health students with the intent to develop a SMU Medical Brigades club. (Major: MATH; Mentor: Miroslava Detcheva)

Continuing 2012 Community Service Projects

13. Senior Tanya Arora is designing a training program for universities and colleges to reduce the adverse effects of annual leadership change in student organizations. (Majors: MNO, PSYC; Mentor: Dr. Maribeth Kuenzi)
14. Senior Drake Frank is modifying a stationary diesel engine to run off of coconut oil to be introduced to Kenyan families to provide sustainable energy through Kenyan Agriculture Commodity Exchange Ltd. (Major: ME; Mentor: Dr. Tindaro Ioppolo)
15. Senior Sarah Montonchaikul, while interning with the Mugello Valley Archaeological Project, Italy, learned conservation techniques and is documenting the process as instructional materials for the project. (Major: ARHS, FL; Mentor: Dr. Greg Warden)
16. Senior Richard Nixon is expanding a group microfinance project into Vickery Meadow with the creation of business development workshops. (Major: ME; Mentor: Mr. Jim Bryan)
17. Junior Ashley Wali worked with the Nari Project in Bangladesh to address needs of women suffering from domestic violence and is now using skills learned with the local non-profit at the Genesis Women Shelter. (Major: BA; Mentor: Dr. Rick Halperin)

18. Senior Miller Walker is developing and will deliver an after-school French program for homeless children in the DISD school system and connect them with school children in France. (Major: FREN; Mentor: Dr. Heather Pelletier)

INTERNSHIPS (4)

1. Senior Morgan Beckwith will intern with Mystic Ballet professional dance company to gain inside knowledge about the administrative and artistic sides of a successful contemporary dance company. (Major: DANC, ARHS; Mentor: Dr. Shelly Berg)
2. Senior Binh Doan will intern at Deloitte Consulting to learn about the industry. (Major: EMIS, MATH; Mentor: Dr. Jeffrey Kennington)
3. Senior Meredith Tavallae will intern at the Musee du Lourve in Paris, and research recent acquisitions to the sculpture collections. (Major: ARHS, ENGL; Mentor: Dr. Pamela Patton)

Continuing 2012 Internship Projects

4. Senior Jaywin Malhi interned on Capitol Hill with Senator John Cornyn and Congressman Pete Sessions to learn about policy-making. (Major: MGMT; PLSC; Mentor: Dr. Michael Lusztig)

CREATIVE WORK (16)

1. Senior Richard Braxton will create a data visualization system to present seismic activity in a new way. (Major: CRCOMP; Mentor: Dr. Ira Greenberg)
2. Senior Claire Carson will write a script and produce a play to be produced by SMUST, Meadows student theatre organization, based on her experience as a volunteer at Kidane Meheret Children's Home in Ethiopia. (Major: THEA; Mentor: Dr. Gretchen Smith)
3. Senior Maria Cross will create a short film to compare and contrast attitudes towards gun policy within the United Kingdom and the United States. (Major: ADV; Mentor: Brice Campbell)
4. Senior Tyrone Davis will attend the SMU-in-Bali program to learn how its traditional arts are integrated into everyday Balinese life and bring it back to SMU in the fall in an event called Bali Arts Day. (Major: BIOL; Mentor: Mr. Jamal Mohamed)
5. Junior Kathleen Gaskins will use her time in the London Arts program to lay the foundation of a creative performance piece called the Universal Language of Art. (Major: THEA, JOUR; Mentor: Dr. Shelley Berg)
6. Senior Thomas Gelo will bring to life the view of a foreign culture from the eyes of a study abroad student through the medium of an Avant Garde film. (Major: THEA, FILM; Mentor: Dr. Gretchen Smith)
7. Senior Taylor Henry will research, develop and implement a sustainable, scalable and replicable system to provide drinking water to an Ugandan community that relies only on solar energy. (Major: CE; Mentor: Dr. Andrew Quicksall)
8. Senior Yusra Jabeen will create awareness about homelessness in Dallas through photojournalism. (Major: JOUR, HRTS; Mentor: Dr. Robert Hart)
9. Senior Kristen Kelso, while studying abroad in London, will research street performers and create a solo performance piece to communicate the challenging art of street performance. (Major: THEA; Mentor: Dr. Gretchen Smith)
10. Sophomore Thomas Kennedy will develop a web server for iGiddyUp, an iOS application which will improve the efficiency of the SMU Giddy Up system. (Major: CSE, MATH; Mentor: Dr. Mark Fontenot)
11. Sophomore Patrick Leopard II will develop an implementation plan for iGiddyUp, iOS application which will improve the efficiency of the SMU Giddy Up system. (Major: CSE; Mentor: Dr. Mark Fontenot)

12. Senior Lauren Mishoe will create a mixed-media solo performance as a result of her time abroad studying female empowerment of the Maori people in New Zealand. (Major: THEA; Mentor: Dr. Rhonda Blair)
13. Senior Mikaila Muñoz will produce a robot prototype as a hands-on educational toy to be used to promote learning about electronics and programming in children, ages 3 to 12. (Major: CRCOMP, ARST; Mentor: Dr. Brittany Ransom)
14. Junior Mei Mei Pollitt after attending the Festival D'Avignon and a similar festival in Scotland in summer 2013, will produce a media based performance of her own and begin a database of global art festivals for the Meadows community. (Major: THEA, FREN; Mentor: Dr. Gretchen Smith)
15. Senior Alexandria Stinger, while studying in London, will learn about the symbiotic relationship between urbanism, art and humanity and create a solo dance performance on those themes. (Major: DANC, ADV; Mentor: Dr. Shelley Berg)
16. Senior Rachel Wilson produce a short film and installation piece of British hip hop culture based on her exploration of the topic in London this summer. (Major: FILM; Mentor: Dr. Shelley Berg)