DISCOVER RESEARCH

Undergraduate Research Program
Office of Undergraduate Studies
105 Norwood Hall
Experiential Learning at S&T

Experiential Learning is an essential aspect of S&T’s unique learning environment.

Experiential learning includes

- Research
- Student Design
- Service Learning
- Leadership Learning
- Co-Op
- Internship
- Externship
- Study Abroad

Undergraduate Research provides students with out-of-classroom learning experiences that help them apply classroom knowledge to solving real-world problems.
Solving Real-World Problems

Bladder Cancer Screening Using Urinary Hyaluronic Acid as a Biomarker, Dr. Yinfa Ma, Chemistry

Plasmonic Force Propulsion for Small Satellites, Dr. Josh Rovey, Mechanical & Aerospace Engineering

Imaging the Mantle Flow Field Beneath the Atlantic Ocean Using Seismic Waves, Dr. Stephen Gao, Geological Sciences & Engineering

Dynamic Path-Planning for Unmanned Helicopters in Tracking a Ground Object, Dr. Ruwen Qin, Engineering Management & Systems Engineering

Enhanced Rhizoremediation by Soil Bacteria, Dr. David Westenberg, Biological Science
Undergraduate Research Program

- Opportunities for Undergraduate Research Experiences (OURE)
- OURE Fellows Program
- Missouri S&T Undergraduate Research Conference (April 16, 2014)
- UM Undergraduate Research Day at the Capitol (March, 2015)
Opportunities for Undergraduate Research Experiences (OURE)

OURE engages students in faculty-guided research projects. Students participating in the OURE program gain an understanding of how research is conducted in their disciplines. They also learn about how to use available informational resources and how to interpret research results.

http://ugs.mst.edu/undergraduate/oure/
OURE

OURE students receive a $1,000.00 research stipend to support their participation and completion of research projects.

Students are required to submit final reports at the end of the academic year and are invited to participate in the Undergraduate Research Conference during the spring semester.
OURE Timeline

- OURE applications for 2014-15 are due April 1st, 2014 (faculty signature and MOCode are required)
- End of September faculty research advisors will receive an email from UGS asking for confirmation of student progress
- Mid to late October, supply money (not to exceed $200) is transferred to the faculty research advisor OURE account and the $250 stipend is issued by check to the student
- Final stipend will be issued the end of April ($750)
- Final reports are due to the OURE coordinator in UGS by April 1st, 2015

**Any unspent supply money (as of April 1st) will be refunded to UGS**
The OURE Fellows Program

- The S&T OURE Fellows Program supports “interdisciplinary” undergraduate research projects on the campus.

- “Interdisciplinary” research constitutes the combination of two or more academic disciplines or fields of study.

- To be considered, students must meet eligibility requirements and adhere to proposal guidelines.

- Selected proposals will be announced at the S&T Undergraduate Research Conference awards ceremony during the spring semester.

- OURE Fellow students receive a $1,500.00 research stipend to support their participation and completion of research projects.

- Students are required to submit a final report and present in the oral session at the Undergraduate Research Conference during the spring semester.

http://ugs.mst.edu/undergraduate/ourefellows/
OUTRE Fellows Timeline

• OURE Fellows applications for 2015-16 will be due in March, 2015 (faculty signature and MOC ode are required).

• Individuals and teams will orally present their proposals before a panel of judges at the April 16th Undergraduate Research Conference. Selected proposals will be announced at the awards ceremony that day.

• Mid to late October, supply money (not to exceed $500) is transferred to the faculty research advisor OURE account and the $500 stipend is issued by check to the student.

• Final reports will be due to the OURE coordinator in UGS in March, 2015.

• OURE Fellows much registers and participate in the 2015 Undergraduate Research Conference.

• Upon completion oral and written presentations at the 2015 Undergraduate Research Conference, final stipends will be issued the end of April ($1000).

**Any unspent supply money (as of April 1st) will be refunded to UGS**
Undergraduate Research Conference

April 16, 2014
10th Annual S&T Undergraduate Research Conference

The S&T Undergraduate Research Conference offers students a competitive campus wide forum in which to present the results of their undergraduate research projects.

Oral and poster sessions are held in the following categories:

I. Arts and Humanities
II. Engineering
III. Sciences
IV. Social Sciences
V. Research Proposals

Students are awarded cash prizes for outstanding presentations in each category.
“By conducting research, I have improved my communication and technical writing skills. I have also improved my public speaking and presentation skills.”

“Research helped me identify my interests within my field of study and set career goals.”

http://ugs.mst.edu/undergraduate/ugrc/
Undergraduate Research Day at the Capitol

A UM System-wide event in Jefferson City which demonstrates student-faculty undergraduate research efforts.

Held in March
Undergraduate Research Day at the Capitol

- Students are nominated by faculty members
- Students must be a Missouri resident
- Nominations are due to UGS in early fall
- Students will have an initial meeting in January to go over expectations and event schedule
Undergraduate Research Day at the Capitol

Students display research posters and speak with legislators about their research and how it is significant in addressing the needs of society.
Questions?

Contact
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