**FDU Undergraduate Mentored Projects:** **Informing Decisions and Actions on Climate Change**

**APPLICATION DEADLINE FRIDAY,** **FEBRUARY 25, 2022**

FDU’s Undergraduate Mentored Research Climate Change Committee is seeking submissions from our undergraduate students on initiatives, projects, and research that address climate change in Passaic or Bergen counties. Activities can also include initiatives that take place on the Metropolitan Campus and engage the FDU community in climate change education, research, etc. Students must also identify a faculty mentor who will guide and assist them for the duration of the project. Individual students and groups of up to 3 may apply.

***Stipends will be paid to students for their research and experiential learning positions.***

Research projects can include, but are not limited to:

* curriculum design for young students and classroom integration training for teachers
* effective and integrated land use planning
* game-based tools for students to learn about climate science
* psychological approaches to promote environmental behavior change
* climate change and human health
* building an equitable and inclusive sustainability sector
* climate change politics
* identifying mitigation options
* how art and culture can drive social change and sustainability
* analyses of externalities of sustainability strategies
* economic analyses of regulatory policy instruments such as emissions trading

Place-based projects must benefit organizations, communities, or municipalities in Passaic or Bergen counties, including the Metropolitan Campus.

We are looking for projects that are feasible to accomplish between March 14 and June 30of 2022.

Students may also opt to select an experiential education opportunity from the list below of organizational partners. [Details of the experiential learning opportunities are available for download](https://www.fdu.edu/wp-content/uploads/2022/02/experiential-learning-placement-descriptions.pdf).

1. Hackensack Riverkeeper

2. New Jersey Future- page

2. Tenafly Nature Center- Education

3. Student Global Ambassador Program (SGAP) Leaders

4. Tenafly Nature Center- Land and Facilities

**Stipends & Course Credits**

1. Stipends: Students will receive stipends for research projects and experiential learning positions. Stipends will range from $2,400 to $3,400 (depending on the number of approved projects and the required expenses to achieve outcomes). *NOTE: Students involved in group projects will split the per-project stipend allocation.*
2. Materials and Supplies: Funds are also available to purchase materials for research, up to $400 (dependent on your project and the number of applications received and approved).
3. Travel: Funds will also be provided to support costs associated with travel to local organizations, municipalities, locations, etc. for project work and experiential learning positions.
4. Stipends will be paid to the student/groups upon submission of the interim report in April 2022 and final report in July 2022 as stated in the application under SECTION 3: Acknowledgement of Participant Expectations. (Exact dates TBD). The April 2022 payment will reflect 40% of the stipend and the July 2022 payment will reflect the remaining 60% of the stipend.
5. Materials and travel reimbursement will be paid to the student/groups as needed.
6. *For students enrolled in the Maxwell Becton College of Arts and Sciences and the Gildart Haase School of Computer Sciences and Engineering*: Becton College and Gildart Haase School of Computer Sciences and Engineering students ***may be eligible*** to receive course credit based on provisional approval from respective Dean’s or Director’s offices**. *A final determination on earning course credits will be based on the merits of the selected project***. It is up to the students selected to participate to pursue this approval to earn course credit. Students interested in earning credit for their participation from other colleges and schools are encouraged to contact their deans or directors.

**Who can apply?**

Any undergraduate student enrolled in any school or college on the Metropolitan or Florham Campus can apply. Applications may include interdisciplinary collaborations.

The faculty committee will evaluate and select the approved projects.

***Submit typed proposal, application and attachments in PDF by Friday, February 25 to:***

**Ms. Jillian Sandoval, Associate Director, Corporate and Foundation Relations, JSand@fdu.edu**

Faculty Committee Members

* Dr. Wonjae Choi
* Dr. Vicki Cohen
* Dr. Karen Denning
* Dr. James Dougherty
* Dr. Mohammed Elshaer
* Dr. Benjamin Johnson
* Dr. Marion McClary
* Dr. Maryelena Vargas

Selected projects will be determined between **February 28 and March 7** and the project work/experiential experience **will begin the week of March 17.**

**Students whose projects or experiential learning experiences have been chosen will be notified via e-mail by Jillian Sandoval.**

**APPLICATION & PROPOSAL**

**The application, proposal and attachments must be submitted in PDF by Friday, February 25 to JSand@fdu.edu.**

**Name your application and attachments as follows:**

* **Last Name.First Name- Application**
* **Last Name.First Name- Proposal**
* **Last Name.First Name- Budget** (if applicable)
* **Last Name.First Name- Timeline** (if applicable)
* **Last Name.First Name- Recommendation Letter**

**The application and all required documents must be forwarded *as PDF attachments in one e-mail message to* JSand@fdu.edu.**

**PROPOSAL**

Submit a 2-page proposal answering **all three questions** in a concise manner in addition to the application and required attachments, in the following format:

Document format: typed, single spaced, 1-inch margins, font- Arial, size- 11

It is advised that you work with your faculty mentor on the proposal and application prior to submission.

1. Explain the proposed initiative and provide context to the climate change aspects of the concept. Evaluators will be looking for: creativity, specific research/project outcomes, deliverables, and a clear description of what the project will entail. (250 to 300 word limit)

**If you have selected one of the experiential learning sites listed in the description above**, **answer the question below. Indicate in your essay the specific experiential learning site. Students who are proposing original research (who are not selecting an experiential learning opportunity) do not need to answer this following question.**

Detail how your experience and college courses make you the best candidate for this position? How will you be an asset to the organization? (250 to 300-word limit).

1. How will your participation in this program, project, or experiential education experience aid in reaching your academic and career goals for the future? (250 to 300-word limit).
2. Why is addressing climate change important to the student and local and global communities? How do you contribute to/champion/support diversity in approaches to address climate change? (Consider personal experiences or service to advance equity and inclusion) (250 to 300 word limit).

Required attachments to your proposal (**do not** count towards the 2-page proposal limit)

1. If applicable, a budget detailing materials and supplies needed for your project, up to $400
   1. Applications for experiential learning positions do not need to submit a budget.
2. A timeline for your projects (projects are expected to take place between March 7 and June 30).
   1. Applications for experiential learning positions do not need a timeline.
3. A letter of support from your faculty mentor
   1. Required of all applicants

**APPLICATION**

The application is a fillable form.

*Section 1: DEMOGRAPHICS-* ***OPTIONAL***

New perspectives deepen our understanding, strengthen our community and propel our innovation. FDU is committed to furthering access and inclusion as a means of fostering intellectual, cultural, social, and emotional growth and responsibility. Supporting a wide variety of research helps students see themselves and their interests as inclusive to the research community at FDU. The committee seeks to fund a diverse array of projects, across disciplines and researchers.

The application contact and faculty committee members will review responses. The following questions are optional.

1. What racial/ethnic group(s) do you most closely identify with? Check all that apply.

Asian

Black/African American

Hawaiian/Pacific Islander

Latinx/Hispanic

Middle East/North African

Mixed Ethnicity

Native American/ American Indian

White

Other. Please specify:Click or tap here to enter text.

1. What gender identity do you mostly identify with? Check all that apply.

Female

Male

Nonbinary

Transgender

Other. Please specify: Click or tap here to enter text.

1. Do you identify as having a disability? Check all that apply.

Yes, Cognitive

Yes, Emotional

Yes, Hearing

Yes, Mental

Yes, Physical

Yes, Visual

Yes, Other/ Self-Identify: Click or tap here to enter text.

No

1. Will you be the first in your family to graduate from college with a bachelor's degree?

Yes

No

1. What is your nationality?

United States Citizen

If not a U.S. citizen, indicate nationality: Click or tap here to enter text.

**RESPONSES ARE REQUIRED FOR ALL QUESTIONS IN SECTIONS 2 AND 3.**

*SECTION 2: EDUCATIONAL INFORMATION-*

1. Class Level:

Freshman

Sophomore

Junior

Senior

1. What is your expected graduation year? Click or tap here to enter text.
2. If you have declared a major, please specify: Click or tap here to enter text.
3. If you have declared a minor, please specify: Click or tap here to enter text.
4. Cumulative GPA: Click or tap here to enter text.
5. What future degree program do you hope to pursue? Click or tap here to enter text.
6. Prior research is not required to apply. If you do have prior research experience, please explain. Limit response to 5 sentences. Click or tap here to enter text.
7. Is there any specific coursework you would like to mention that qualifies you to conduct research in your area of choice? Click or tap here to enter text.

1. Please select the college or school to which your faculty mentor is appointed:

Maxwell Becton College of Arts and Sciences

Peter Sammartino School of Education

Silberman College of Business

International School of Hospitality, Sports and Tourism Management

School of Psychology and Counseling

Gildart Haase School of Computer Sciences and Engineering

Henry P. Becton School of Nursing and Allied Health

*SECTION 3: Acknowledgement of Participant Expectations*

Please acknowledge that you understand the expectations of participating in the program.

The first four conditions are **required** of all participants:

1. Engage in work effort 10 hours per week for the program period (March 14-June 30 2022). Students may work on their project or at their experiential education location more than 10 hours voluntarily.
2. Submit preliminary report to mentor in April 2022\*
3. Participate in lunch and project/experiential learning presentation in July 2022\*, date TBD
4. Submit final report to mentor and complete program evaluation in July 2022, date TBD.

The following are potential program activities that are strongly encouraged but not required:

1. Attend the virtual National Conference on Undergraduate Research hosted by the Council on Undergraduate Research between April 4th and April 8th. Registration will be paid by FDU.
2. Attend Honors Research Day of the University Honors Program, date TBD.
3. Identify and attend an external symposium for poster presentation; attend other relevant conferences or symposia.

\*Dates are subject to change. Any changes will be communicated to participants in advance.

Your signature indicates that you acknowledge the expectations of selected program participants.

Signature:

Print Name:Click or tap here to enter text.

Date: Click or tap to enter a date.

Student ID: Click or tap here to enter text.

E-mail Address: Click or tap here to enter text.

Phone: Click or tap here to enter text.