

To: Undergraduate Math Majors
Date: February 4, 2020
Subject: Summer Program Funding Requests
From: Michelle Matel, Undergraduate Administrator
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Dear Math Majors: The purpose of this memo is to advise you of two summer research funding opportunities for Princeton University math majors. The summer research program is primarily to support work with a faculty member of the Princeton Mathematics Department. In some cases we also support participation in a summer research program elsewhere (e.g. REUs at other schools). Please review the following:

1. SUMMER PROGRAM FOR MATHEMATICS MAJORS, 2020

Once again, the Princeton University Mathematics Department expects to support a number of undergraduate mathematics majors for a research program this summer. Participating students will be required to be on campus for a total of 8 weeks during the summer period, where the total period of time could be split into two or three shorter periods, if approved. (Princeton student housing will be open from Monday, June 8 through Monday, August 3, so students will not be able to split their time if they plan to stay exclusively in student housing.) Students will receive grants of \$4,500 for living expenses during the summer program.

The goal of this program is to provide math majors with the opportunity for reading and study in some areas of mathematics that are not part of the regular program of courses offered by the Mathematics Department. The requirements are:

- Each student will work under the direction of a faculty member in the Mathematics Department. (Ideally, this would be an opportunity for each student to learn not just a body of mathematics but also to be able to engage in some independent investigation.)
- Students interested in applying to participate in this program must find a faculty member in the Mathematics Department who agrees to serve as the student's adviser for the period of the program. Part of the application will be a proposal, a substantial description of the topic that the student will pursue. Before the summer program can be approved, the faculty adviser and the student will outline the program of reading and study. The faculty adviser will meet regularly with the student during the

- summer. (The organization and conduct of each student's program will be up to the individual faculty members involved; implementation could vary considerably depending on the topic and goal that is set for the student.)
- The faculty member must upload a memo/letter stating that they approve the program of reading and study, and agree to serve as the student's adviser.

2. SUMMER FUNDING REQUESTS: Participation in *other* programs

For Math majors who are requesting funding to attend a summer REU that is being held elsewhere, you will need to submit the following:

- A description of the REU program, including any links to the program,
- An outline of the proposed activity, and
- Information on the funds you are requesting

Financial information on each REU should also be included in the description of the program. A letter of recommendation from a faculty adviser is NOT required in this instance.

INTERESTED IN APPLYING?

- Math majors (i.e. students who will be either a junior or senior at Princeton University in Fall 2020 and have declared their major as mathematics, or sophomores who will declare as math majors) who wish to participate in our summer program or who are requesting departmental funding to participate in a summer math program outside of Princeton should upload an outline of the proposed activities for Summer 2020. To do this, visit <http://www.princeton.edu/studentfunding/>. To search for our funding opportunity, the activity type is "independent project"; the location is "on campus" or "off campus (domestic)"; the duration is "8 or more weeks"; and the time of year is "summer break". You should also indicate the name of your faculty adviser, who will be asked to upload his/her approval and support of the proposal (in the case of a Princeton summer project). All complete proposals will be reviewed by the Chair and Associate Chair. In the event that we receive more proposals than the number we can fund, preference will be given to current juniors (class of 2021).
- For those students applying to our summer program, proposals should explicitly indicate the general topics to be pursued and the periods of time that the student expects to be in Princeton during the summer.

- **Deadline for applications:** February 21, 2020.
- Students will be notified by March 6 if they have been accepted into our summer research program, or if funding will be available for your participation in an outside summer program.
- **IF ACCEPTED:** Participating students will be **required** to submit a short paper summarizing their summer research activities by September 15, 2020. (This could be in the form of a paper to be submitted for publication or, alternatively, a detailed summary of what you have accomplished during the course of the summer program.)

HOUSING: Those students who are accepted in our summer program will be responsible for making their own housing and living arrangements for the period of the summer program. The Undergraduate Housing Office has advised us that the summer room draw guide for this summer (which will contain all relevant information and the necessary forms for applying for on-campus summer housing) will not be available until later in Spring term.

To find out more about summer housing at the University, please go to the Housing Office's website at: <https://hres.princeton.edu/undergraduates/my-housing/interim-summer-housing>

Copies: Professor Igor Rodnianski, Chair
 Professor János Kollár, Associate Chair & Director of Undergraduate Studies
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