Summer Undergraduate Research Fellowship (SURF) USA
Application Guidelines

SURF USA awards support 10 weeks of summer research at various locations, either on campus or at other research sites within the United States. The awards may also support research that contributes to a senior project or thesis.

Eligibility Requirements:

- Undergraduate at UNH or UNHM
- Enrolled in a UNH or UNHM baccalaureate program
- Minimum 3.0 cumulative UNH/UNHM GPA at the time of application
  (Transfer students must have completed at least one full-time semester at UNH or UNHM at the time of application, with a minimum 3.0 GPA earned from UNH/UNHM courses.)
- At least sophomore status (in second year of full-time college coursework) at time of application, returning to campus for at least one more semester (with a minimum enrollment of eight credits) following the research summer

Award amounts:

- Fellowship Stipend: $3,500
- Expense Award: $600 maximum

Deadline:
March 4, 2020 for summer 2020

Note: 1) Students may not accept both a SURF award and another fellowship award for the same research during the same summer (e.g. NSF, Pfizer, Space Grant, or other summer grant that awards a set amount of money for a set period of time). If you have any questions, please consult with Hamel Center staff. 2) SURF recipients are not permitted to be enrolled in summer courses during the award period unless they receive prior approval from the Hamel Center director.

I. A complete SURF USA application includes:

a. Application Cover Sheet: Read the application guidelines below, then complete and print the fillable Cover Sheet online.

b. Proposal: See Proposal Requirements on pp. 4-6 of these guidelines.
   Note: The proposal describing your research or creative project is the most important part of your application.

c. Budget: Review the Budget Form Instructions (attached to the Budget form online), then complete and print the fillable Budget form.

d. UNH Faculty Mentor Recommendation: A “UNH Faculty Mentor Memo” and “UNH Faculty Mentor Recommendation Form” are available online. Print these materials, complete the top portion of the recommendation form, and give both the memo and the form to your UNH mentor immediately.

e. UNH Faculty Recommendation: Print the online form, complete the top portion, and give it to a second UNH faculty member.

All SURF USA application materials can be found at
http://unh.edu/undergrad-research/summer-undergraduate-research-fellowships-surf
II. What to do before you apply

We strongly urge you to take several steps before you write your proposal and complete your application. Some homework up front will minimize confusion at deadline time and will increase your chances of success! These steps are:

a. Review the materials in these guidelines and consult the Hamel Center website (http://unh.edu/undergrad-research) – even if you’ve looked at it before. At the website you will find detailed information about the program and the application process (including application forms), as well as profiles of former participants.

b. Make sure you are eligible. To apply, you must be a UNH or UNHM undergraduate enrolled in a baccalaureate degree program, with a minimum 3.0 cumulative UNH/UNHM GPA at the time of application. You must be at least a second-semester sophomore (in your second year of college coursework) at the time of application, and you must be returning to campus for at least one semester (with a minimum enrollment of eight credits) after completing your summer research. If you are proposing a group project, make sure all applicants are eligible.

*Note: Transfer students must have completed at least one full-time semester at UNH or UNHM at the time of application, with a minimum 3.0 GPA earned from UNH/UNHM courses.

c. Talk with a Hamel Center staff member about your proposed research and any questions you may have – including how to identify a faculty mentor. In the Hamel Center office, you may also look at examples of other students’ successful proposals. If you are planning a group project, be sure to contact the Hamel Center office before applying.

Note: Students may participate in a faculty member’s research; however, students should not serve merely as research assistants. If participating in a faculty member’s research, students should be given a specific research problem to investigate on their own with the advice and assistance of their faculty mentors. Students should have the opportunity to participate in all aspects of professional research: from the design and development of the project, to the analysis and conclusions.

d. Make sure you have a firm commitment from a UNH faculty mentor. Give the “UNH Faculty Mentor Memo” and the “Faculty Mentor Recommendation Form” to your mentor as soon as possible. (Note: You must complete and sign the top portion of the recommendation form before giving it to your mentor.) The memo and form can be found with the SURF USA application materials online. You should also plan to give your mentor any personal background information you think might be useful toward the recommendation letter (e.g., a resume or list of relevant coursework, jobs, skills or knowledge; educational and career goals). Note: All tenure-track, research, clinical, and extension faculty are eligible to mentor an undergraduate research project funded through the Hamel Center without prior approval. Other non-tenure-track faculty may be eligible with prior approval. For complete guidelines on faculty mentor eligibility, go to http://unh.edu/undergrad-research/faculty-mentor-eligibility

- For a group project, the UNH Faculty Mentor should write and submit a separate recommendation letter for each student applicant.
- In a co-mentoring arrangement, the two faculty mentors should prepare a joint recommendation letter that addresses the shared mentoring plan.

e. RE: Need for an off-campus mentor: Students who are planning to conduct their summer research at a non-UNH site off campus may require a second mentor at the off-campus site, depending on the nature of the research. A student doing off-campus field
research for a UNH-based project, for example, would not need a second mentor at the off-campus site. A student working on research sponsored by another institution or one of its faculty, however, will need an off-campus mentor, in addition to a UNH faculty mentor. This arrangement will require the approval of the Hamel Center director and the student’s UNH faculty mentor prior to application. Students with these kinds of off-campus research projects should contact the Hamel Center office before applying. For more information, go to: http://unh.edu/undergrad-research/faculty-mentor-eligibility#offcampusguidelines

f. Secure a second letter of recommendation from a UNH faculty member who is not your mentor. Complete and sign the top portion of the SURF USA “UNH Faculty Recommendation” form and give it to your second recommender as soon as possible. The form can be found with the SURF USA application materials online. You should also give this faculty recommender any personal background information you think might be useful toward the recommendation letter (e.g., a resume or list of relevant coursework, jobs, skills or knowledge; educational and career goals).

g. Consult the Hamel Center website for advice on writing an effective proposal https://www.unh.edu/undergrad-research/writing-effective-research-proposal, and allow ample time to complete all application materials.

h. Attend a proposal writing workshop. The workshop presenter will go over the required elements of the proposal and will be available to answer any questions. For the most up-to-date list of scheduled workshops, go to: http://unh.edu/undergrad-research/proposal-writing-workshops

i. You may also make an appointment with a Hamel Center staff member who can look over your proposal draft to see if it meets requirements for format and style. (Note: It is your mentor, not a Hamel Center staff member, who can critique your draft with regard to its discipline-specific content.)

j. Ask your faculty mentor to review your proposal draft. Be sure to allow sufficient time for your mentor’s review and comments before the deadline.

k. Determine if your project will require approval from a University review committee. Certain types of research are subject to federal regulations and University guidelines. For example, any projects involving interviews, surveys or questionnaires – i.e. all having to do with human subjects – must receive approval from UNH’s Institutional Review Board (IRB) before the research begins. Similarly, research involving vertebrate animals, infectious agents, DEA controlled substances, lasers, x-rays, hazardous chemicals, radioactive materials, carcinogenic material, recombinant or synthetic nucleic acid molecules, NMR/superconducting magnets, and/or patents and copyrights must receive approval from the appropriate University review committee before the research begins. If you have questions about how to obtain research approval, talk with your faculty mentor or a Hamel Center staff member. (In some cases, your faculty mentor may already have obtained approval for the research.) You do not need to submit this approval with your SURF USA application; however, if you are granted an award, the Hamel Center must receive confirmation of approval from the appropriate University review committee before dispensing your award money. So, it is in your best interest to begin the approval process at the time of your application. For more information, go to: http://unh.edu/undergrad-research/responsible-conduct-research
l. Complete the application with ample time left for obtaining the signature of the department chairperson on the application cover sheet.

III. Submitting your application
   a. Be sure to submit your application as described here:
      Five complete application packets: The original + four copies, with the original faculty mentor recommendation and second faculty recommendation in sealed envelopes paper-clipped to the top of the original application. (You do not need to provide photocopies of the faculty recommendations; only the originals are necessary.) Recommendations must be submitted with the application and not sent separately to the office. (If a group project, submit a separate recommendation letter for each project member.)
   b. Collate each of the five packets in the following order (use paper clips for each packet – no staples, please):
      - Application Cover Sheet, with all necessary signatures
        (If a group project, submit a cover sheet for each project member.)
      - Project Proposal
      - Budget Form
   c. Submit your application to the Hamel Center by the deadline: March 4, 2020
   d. Notification: All applicants and their faculty mentors will be notified of the review committee’s decision in writing within approximately six weeks of the application deadline (i.e., no later than April 15). If your application is successful, you will then be asked to sign a Letter of Intent and will receive further program information, including procedures for receiving your stipend and expense award.

IV. SURF Requirements and Expectations (for successful applicants)
   In addition to the expectation that you will conduct/complete the research project proposed in your application, the SURF USA award comes with the following requirements:
   a. Final Report: describing your project and your findings (1500-2000 words).
   b. Final Evaluation: to be completed electronically by you and your faculty mentor.
   c. Letter of Appreciation: to be written by you to your sponsoring donor(s).
   d. Presentation of Research: presentation of your research results in an appropriate forum (e.g., to a class, to department majors and/or faculty, at an on- or off-campus conference).

Proposal Requirements
The project proposal is the most important part of the application. To prepare a competitive proposal, students should follow the Proposal Outline carefully and adhere closely to the formatting guidelines. Ideally, all SURF USA applicants should use the Proposal Outline as a guide in organizing their proposal, using the subheadings indicated below. However, since research varies among the sciences, social sciences, humanities, and performing/fine arts, students may adapt the outline to their project and field of study when appropriate.

Students are expected to write the SURF proposal themselves, in its entirety. Of course, students should consult with their mentor before writing the proposal and ask their mentor to critique it once they have written a draft. Even with mentor input, however, the final proposal should reflect the students’ own work. **Students should allow sufficient time for revision.
Proposal Outline
1. Abstract: a brief summary of your proposed project, not to exceed 200 words.

2. Project History and Definition
   - general problem, theme, or issue to be addressed
   - historical or theoretical context
   - most relevant previous research, artistry or work on this topic by other scholars, researchers, or artists
   - project’s specific question, hypothesis, or objective

3. Approach/Methodology
   - methods, procedures, theories, or lines of thinking and/or creating you will use to address your research topic and why
   - materials and sources you will need to study in order to pursue your project
   - how you will analyze, interpret, and/or evaluate your findings (i.e., the material you study, the data you collect, or your creative experience)
   - how and why your mode of analysis will enable you to accomplish your objectives and/or answer your research question(s)
   - foreseeable challenges, obstacles, or difficulties – and how you are prepared to address them

4. Significance/Meaning/Implications
   - contribution of your project to the problem and your field
   - wider implications of your research or artistry (e.g., social, cultural, intellectual, creative, practical, theoretical)
   - if this project is a portion of a more comprehensive research project that you are undertaking, include an explanation of how it fits into the whole

5. Personal Outcome
   - contribution of the project to your educational goals, including how this project will enhance your understanding of your particular field
   - contribution of the project to your long-term career goals
   - tangible product(s) of your project (e.g., report, paper, thesis, presentation, production, exhibition, film, etc.)

6. Location
   - principal location of project work
   - other research or artistic sites and source locations to which you will travel
   - if you will travel to an off-campus research site, describe specific resources and/or contacts at the site that will be instrumental to the project and to accomplishing your objectives
   - if you need prior approval to gain access to your research site and its sources, describe how and when you will obtain written permission

7. My Role/Preparation/Experience
   - your preparation and qualifications to undertake the project (e.g., coursework, jobs, extracurricular experiences; other research, training, or performance experience)
   - your plans (if any) for further preparing yourself before undertaking the project
   - if a group project, the role of each student on the project
   - role of your faculty mentor and others (graduate students/technicians/collaborators), including the plans you and your mentor have made to communicate on a regular basis during the research period.
8. **Timetable**
   - time allotted to each portion of your project (e.g., week by week, or stage by stage),
     with as much detail as possible
   - brief explanation of research activities and timetable for your *entire* project, if the
     UROP-funded portion is part of a larger project (e.g., senior thesis)
   - *Note:* A successful SURF USA project will require a substantial amount of time, effort,
     energy, and focus to complete. Your estimated SURF USA Timetable should anticipate
     10 weeks of full-time research.

9. **Appendices**
   a. **Statement of Previous Hamel Center-Funded Research (if applicable)**
      Students who have received Hamel Center funds previously (e.g. REAP, Undergraduate
      Research Award, SURF USA) must submit with their application a “Statement of
      Previous Support.” This statement (no more than one page, double spaced *per award*)
      should include the following information about previously funded research: 1) Hamel
      Center grant received, 2) Project Title, 3) Faculty Mentor, 4) project start/end dates, 5) a
      brief description of how the *current* proposed research extends and/or differs from
      research previously funded by the Hamel Center, including how the results of that former
      research might inform the research now being proposed (if applicable).

   b. **Attachments**
      - illustrations, diagrams, or video/audio recordings as necessary
      - one- to two-page bibliography of primary and secondary sources that you will use
        toward this project (e.g., books, journal articles, films, interviews, media sources,
        master classes). *Note:* Be sure that all sources which you consulted in preparing the
        proposal are cited in the proposal text and listed in the bibliography. Format the in-
        text citations and bibliography according to the style guidelines for your discipline.
      - surveys, questionnaires, and interview questions, if these are part of your research

**Proposal Format and Style**

The proposal should:
- include a title page (with your project title, your name and major, your faculty mentor’s
  name and department, and the program for which you are applying)
- be typed and double spaced, using Times New Roman 12-point font (black)
  *Note:* You may single-space your Timetable.
- have one-inch margins on all sides (top, bottom, left, right)
- be no more than eight (8) pages long (for a group project, no more than 10 pages long) –
  this length excludes the title page, abstract, and appendices/attachments
- include page numbers, on all pages following the title and abstract pages
- follow the Proposal Outline carefully, using clear subheadings (as above) for each
  section
- include definitions of words specific to your field or research, if faculty members
  outside your field are not likely to be familiar with them. *Note:* In general, you should
  keep in mind that Faculty Advisory Committee members who review applications
  represent a range of disciplines, so your proposal should be written in a way that can
  be understood by an educated reader who is not necessarily a specialist in your field.
Criteria for Review of Applications

The Hamel Center’s Faculty Advisory Committee reviews all applications. Each proposal is read by at least three faculty reviewers drawn from one of the following two general areas of study: 1) departments in COLSA and CEPS, and 2) departments in COLA, CHHS, and Paul College. An application may receive a maximum of 25 points from each reviewer.

1. **Quality of the Proposal: 12 points**
   - Is the proposal well written, well defined, convincing?
   - Is the proposal complete? Are all parts clearly explained in accordance with the proposal outline?
   - Is the proposal understandable to a general, educated reader who is not a specialist in the proposed research field?
   - Is the project manageable and appropriate for the SURF USA time frame (i.e., anticipating 10 weeks of full-time research)?

2. **Qualifications of the Applicant: 5 points**
   - Are the qualifications, preparation, and experience of the student adequate for carrying out the project?

3. ** Appropriateness of the Budget: 2 points**
   - Is the budget itemized?
   - Is it clear why the items are necessary to the project?

4. **Faculty Recommendations: 6 points**
   - Past or present experience supervising the student in coursework, research, or independent work.
   - Preparation of the student to undertake the project in the time period allowed.
   - Significance of the project and its potential educational value for the student.
   - Relationships between the student’s project and the faculty mentor’s own research, scholarly, or creative work or areas of expertise.

Questions? [undergrad.research@unh.edu](mailto:undergrad.research@unh.edu)
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