

2018-2019 URGO Summer Research

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Opportunities Specialist

Undergraduate Research and Graduate Opportunity

I. Undergraduate Research

II. Graduate School Advising

III. Pre-Health Sciences Advising

IV. Nationally-Competitive Fellowships

URGO Staff

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Specialist

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Research and
Graduate
Opportunities
Specialist

Research and Creative Activity

- Projects can be done in any field
- Must be within faculty's line of research or area of expertise
- Research – original in nature, should produce knowledge, a product, or an outcome that makes an original contribution to its area
 - *Labs*
 - *Quantitative work*
 - *Qualitative work*
- Creative activity – proposals should show how their creative project depends on research, and explain how the research will enhance and deepen the creative activity
 - *Composing pieces*
 - *Writing a script*
 - *Performing pieces using varied forms of analysis*

URGO Summer Research Options

SUMMER RESEARCH PROGRAM

- 200 or 400 hours over 11 weeks
- May 16th – July 31st
- Full-time = \$4,000 + housing stipend
- Half-time = \$2,000 + housing stipend
- Faculty line of research
- Final product and presentation
- Seminars and Speaker Series for support and professional development

RESEARCH ASSISTANTSHIP

- 100 hours over course of summer
- \$1,000
- Assisting faculty with research tasks

Eligibility

- Be a full-time Augsburg undergraduate student (currently taking at least 12 credits per semester)
- Have completed at least one year of undergraduate study by the start of research, and have at least one semester of full-time study (at least 12 credits) remaining after the completion of summer research
- Have a minimum GPA of 3.0 (lower GPAs considered on a case-by-case basis; note that the average GPA of last year's summer researchers was 3.7)
- NOT have participated in URGO 200 or 400 hours previously
- For 400-hour researchers: Must be present for 10 out of 11 weeks for research program (can take 5 days off)
- For 400-hour researchers: Must be present July 29 – 31st for presentations and celebration luncheon

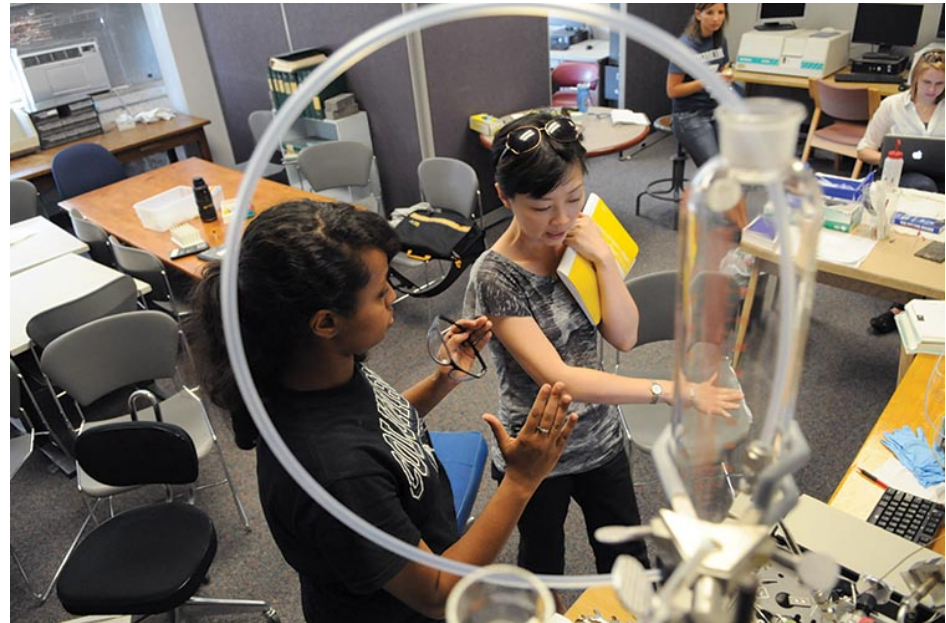
Overview of Summer



Read Information
Packet and
Application FIRST

Finding a Faculty Mentor

- You conduct research within a faculty member's specific research interest
- Be open to the projects available on campus
- Talk to faculty you've had class with
- Ask your advisor for referrals
- Talk to several faculty in your major or minor department
- Listen to their current or past research projects
- Not all faculty will be here in the summer (minimal compensation for them)



Talking with faculty

- Visit office hours or email faculty to find a time to meet before winter break
- Ask them what research they are currently working on, and if none, ask what their past research interests were
- Ask if they are willing to mentor a summer researcher
- Indicate if you are looking for 400 hours or are open to part time
- Tell them why you are interested in research and a bit about your background (GPA, courses you've taken, relevant experience)
- If they want you to come up with your own research idea, tell them URGO encourages that students work within faculty lines of research. Alternatively, ask them to help you develop a question (this may include reading research articles)

Application Timeline

- Continue talking to faculty throughout the semester
- Application and Information Packet available on URGO website (www.Augsburg.edu/urgo). Read both thoroughly
- **Before winter break:** Make plan with faculty about what to work on over break in preparation for application (reading articles, writing essays, filling out application, etc.)
- **Back from winter break:** Continue working on Phase 1 and Phase 2 of the application
- **January 29th:** Turn in Phase 1 app *signed by faculty mentor* (can be electronic signature and emailed). No late applications considered
- Should be doing multiple drafts with faculty.
- **February 19th:** Faculty turn in Phase 2 by email to URGO
- Students typically notified before Spring Break

Application components

PHASE 1

Non-evaluative (intent to apply)

Without Phase 1, ineligible for Phase 2

Narrow research question or brief description of creative activity

Signed by faculty (can be electronic)

Submitted by January 29th at 11:59pm (URGO office closes at 5pm)

PHASE 2

Biographical Information

Student/faculty availability

Research/Creative Activity Proposal (question and description, background, methods)

Timeline of work

Student essays

Faculty recommendation

Submitted by faculty by February 19th at 11:59pm.

Application Tips

Clarity is key!

Crafting a research question

- Might have a topic or two variables in mind (income and crime)
- Read academic articles and talk with your faculty to turn this in to an answerable question

Try this exercise:

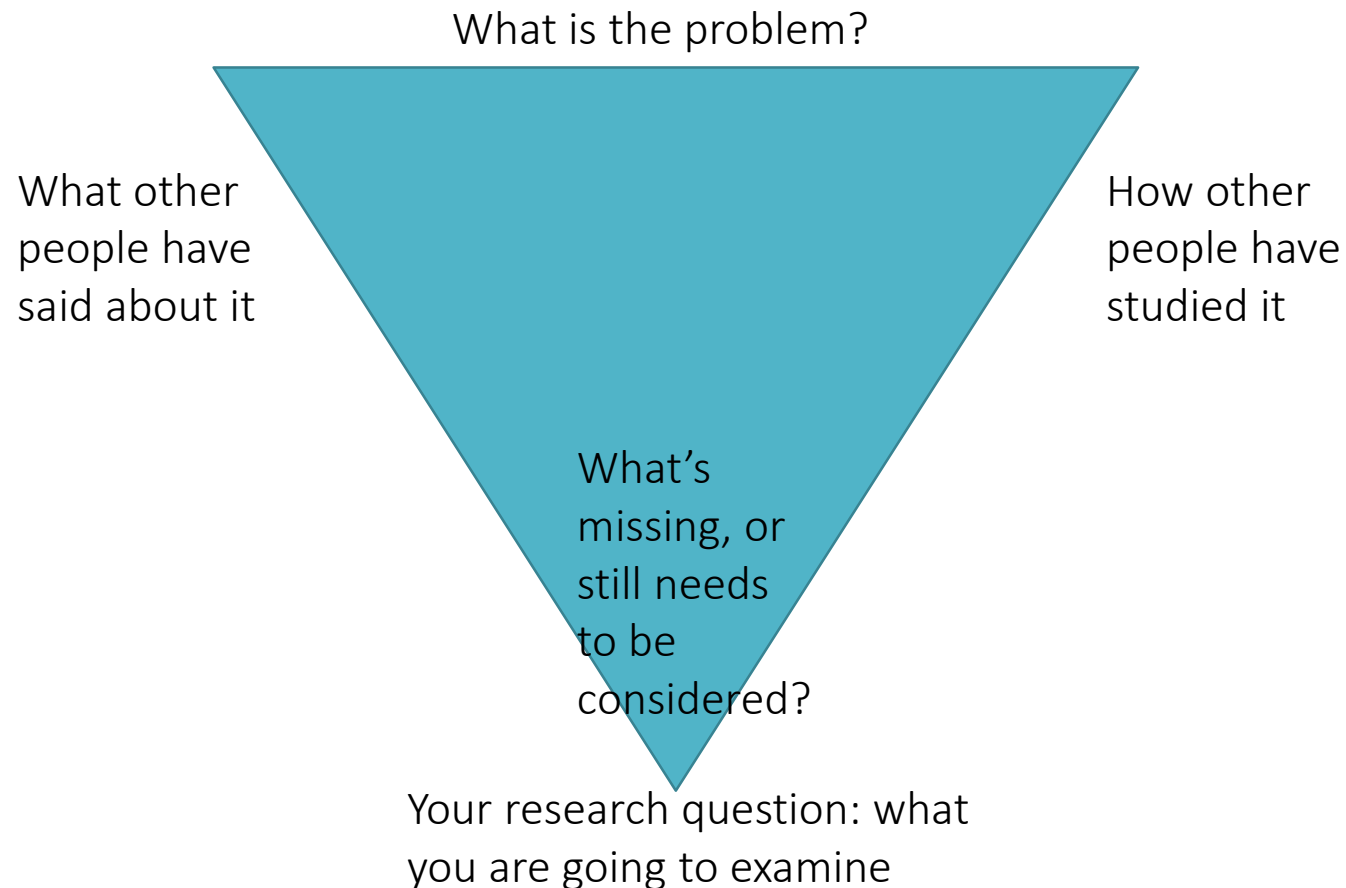
1. Topic: I am studying _____
2. Question: because I want to find out what/why/how _____
3. Significance: in order to help my reader understand _____

Taken from *The Craft of Research* by Booth, Colomb, and Williams (pg. 51)

Research Question

- Should not be too broad (e.g. differences in communication patterns between men and women)
- Should not have been answered already (e.g. Is yoga good for mental health?)
- You must have the skills and methodological plan to thoroughly answer the question in 10 weeks
- Should not be a biased question (need to be open to what the data will tell you)

Background/Lit Review



Methods

- Make sure it's clear how your methods answer your question
- Might have to explain why you chose a method
- Might have to explain the method (rather than just using jargon or a title of a method)
- Need to understand what your methods can and can't tell us (limitations)
- What are you going to do with your data? HOW will you analyze it? Why did you choose this method of analysis?
- Provide sufficient detail (e.g. who you will sample, how will you find the sample, how you will distribute survey, what types of topics will you cover in your survey/interview, etc.)

Timeline

Week	Research Goals & Activities
1	<p><i>*upon return from spring break: pilot test of running video and initial analysis of subjects to determine methods to measure hip range of motion.</i></p> <p>Start Literature review - visit to U of M library 1 Day URGO Meeting</p> <p>Test equipment and marker placement for subjects. Implement changes from pilot testing, if necessary</p>
2	<p>Recruit potential participants (daily via A-mail) Contact participants that select they want to participate in testing to schedule meeting dates for biomechanical testing 1 Day URGO Meeting</p> <p>Conduct FMS and biomechanical testing</p>
3	<p>Analyze videos with Dartfish Enter data on Excel Spreadsheet Send Literature Review to Dr. Ribeiro for feedback 1 Day URGO Meeting</p> <p>Repeat daily A-mail message Contact participants that select they want to participate in testing to schedule meeting dates for biomechanical testing Conduct FMS and biomechanical testing</p>

Final Product and Presentation

PRESENTATION

- Specify if there are any public forums at which you could present your research, in addition to the URGO Summer Research Presentation and Zyzzogeton Poster Session
- Can be presentations at regional or national conferences, or in classrooms or the community

PRODUCT

- Products vary by discipline and project
- **All should have some component of professional writing as defined by the field**
- For many it's a scholarly paper
- Other written products: Lab protocols, short stories, film scripts, poetry, etc.
- Creative products: musical compositions, performances, objects of art
- Should go through many revisions and be of higher quality and more substantial than classroom products

Essays

- Answer the writing prompts (questions)
- Meet minimum length requirements (includes prompts)
- Research interests – make sure to answer in general, as well as in particular
- Preparation : What do you think are skills/traits that would help you succeed in research?
- Educational and Career Goals – not a contract, committee just wants to know you are thinking of your future and how this experience can enhance or prepare you for your future goals
- Complete full 1st draft of essays with sufficient time for your faculty mentor to provide feedback and complete several drafts

See URGO Summer Research Selection Committee members for advice on your proposal

Make an appointment with the faculty member on the committee who is closest to your discipline

Ideally, you and your mentor meet with the faculty committee member at any point in the process – the earlier the better!

Meeting with the committee member doesn't guarantee selection, but it will significantly improve your application

David Crowe (biology), Stella Hofrenning (economics), Merilee Klemp (music), Ben Denkinger (psychology), Eileen Uzarek (health and physical education), Pavel Belik (mathematics), Bob Cowgill (English), Amanda Case (chemistry), Melissa Hensley (social work), Kristen Chamberlain (communications), Maheen Zaman (history), Kirsten O'Brien (URGO), and Dixie Shafer (URGO)



Spread your risk: Apply for off-campus summer research or other opportunities