SUMMER UNDERGRADUATE RESEARCH INSTITUTE IN EXPERIMENTAL MATHEMATICS

LYMAN BRIGGS COLLEGE

Sponsored by
the Lyman Briggs College and
the Mathematics and Statistics Departments
at Michigan State University

with major funding from
the National Security Agency and National Science Foundation

Housing

Your dormitory room will be in either Van Hoosen or Owen Hall. Check-in and administration of rooms will be done through the Owen Hall front desk:

Owen Service Center (517) 355-5068

Calendar of Events: May 30 - July 16

Week One: June 5 - June 6

June 3-4: Participants arrive; check in at Owen Hall

June 6 (Tuesday): Program begins at 8:30 a.m. in W-40 Holmes Hall. Each of the four research opportunities will be introduced (1 hour lectures each followed by time for questions). Problem sets will be distributed for the students to work on in the afternoon.

June 7 (Wednesday): Continue to introduce topics: 8:30 a.m. until 11:30 a.m in W-40 Holmes Hall; there will be three more lectures and another set of problems. Faculty distribute forms for students to rank their preferred research group assignments. In the afternoon, students fill out W-9 forms (in Kathie Ellis’s office in E-30B Holmes Hall) and obtain MSU student ID cards (basement of the Administration Building). Students turn in forms with their ranking of preferred research group assignments. Computer lab in W-38 Holmes Hall: 8:30 a.m until 11:30.

Date: June 6 - Aug 1, 2012.
June 8 (Friday): First meeting of the newly formed research groups: time and location arranged by group.

June 9-10 (Saturday & Sunday): No activities planned this first weekend. Explore East Lansing and MSU. Check out Lansing’s “Be a Tourist in Your Own Town” at www.lansing.org/batyot. Bus transit available at discounted rates.

**Weeks Two thru Six**

Typical Monday thru Thursday schedule (details arranged by group):

8:30 a.m. - 10:30 a.m. – meet with faculty mentors (or at arranged times)

10:30 a.m. - 12:00 noon – time available for consultation on computing problems (or at arranged times with Dr. Dan Dougherty)

1:00 p.m. - 5:30 p.m. – work on research projects in Holmes Hall

*It is important to put in a full day of work if you expect to obtain significant results from your research!*

Typical Friday schedule:

8:30 a.m. - 11:00 a.m. – Group presentations / weekly updates

11:00 a.m. – 1:00 p.m. – Guest lecture and special lunch

By the end of the work day, each group will submit a weekly report (e-mail to your faculty mentor). Reports should be a PDF file produced from LaTeX source code.

Saturday and Sunday: Various activities will be coordinated. We will choose from among a list of suggestions including (but not limited to) the following: sky diving, movie night, bowling, sailing, hiking, camping, soccer, ultimate frisbee, minor league baseball game, ice skating, cyclotron tour, ice cream at the MSU Dairy Store, (your idea here)...

Graduate assistants will be available during the weekends to assist with your research and to help you to track down resources.

**Week 7**

By the end of the week (Friday, July 23), groups will submit a scholarly research article summarizing their work. Final presentations will be made during this week.

July 31: Program ends; students must vacate dorm by Aug 1.
Guest Lectures

Other Important Dates

June 8 (Friday): MathFest abstracts due 4:00pm
June 27 (Wednesday): OSU YMC abstracts due 4:00pm
July 13 (Friday): Joint Michigan Mathematics REU abstracts due 4:00pm

Participants

Grad Students

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Faculty

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