

MSCS Mess

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St. Olaf College, Northfield, MN 55057

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This Week's Colloquium

Title:	Modeling Growth in Biological Tissues
Speaker:	Becky Vandiver
Date:	Monday, September 22
Time:	3:30 pm
Location:	RNS 310

About the talk: Unlike traditional engineering materials, living structures show the fascinating ability to grow and adapt their form, shape and microstructure to a given mechanical environment. For example, a regularly occurring wind can lead to thicker, shorter plants, and heart muscles thicken in response to high blood pressure. As tissues grow they can develop internal stresses that can influence the overall mechanical properties of the structure. In this talk I will present the mathematical tools used to study the interplay of geometry, growth, and elastic responses of stems, arteries and other soft tissues

MSCS Tailgate Party

Baseball, information and food. What could be better? On Tuesday, September 30th, the faculty of MSCS invite you to this year's Tailgating Party, in honor of the upcoming major league baseball playoffs. This even features three short and entertaining talks about obscure facts in baseball, lots of food, information about the four MSCS programs (math, stats, CS and math ed), lots of food, information and advice about future MSCS courses, lots of food, information about tons of on-campus and off-campus opportunities for MSCS-related internships and research and, finally, some food.

The event starts at 4:30pm on Tuesday with the baseball talk in RNS 150. At 5:30pm the talks will conclude and you will move up to the RNS entrance nearest the mathematics building where you will find

information tables staffed by MSCS faculty who can answer all your questions about MSCS courses, research and internship opportunities, and advice for what you should take while here, or careers you should consider upon leaving St. Olaf. Of course, strategies for identifying and applying to graduate schools will also be available.

Last, and probably of least importance, 5:30pm also marks the time that the freshly grilled tailgating food will be available on the patio between Regents Science and Regents Math. (Rain site, the lobby in Regents Science (2nd floor) outside the CIR, at the end of The Link)

If you want to eat, we need your caf number. This also means you won't be able to eat dinner in Stav that night. Please see the email announcement you've received to register for the event, which includes giving us your caf number.

Questions? See Patty Martinez, Steve McKelvey, or your favorite MSCS professor.

Problem Solving Group is Back!

The Problem Solving Group's first meeting of the academic year will take place on Monday the 22nd from 6:00-7:00pm in RNS 206. Come join us for plenty of problems and pizza!

The Math Problem Solving Group meets regularly to have fun thinking about a variety of problems and to discuss problem-solving strategies. Additionally, students may use the meetings to prepare for several contests that take place throughout the year. This is an excellent opportunity for students pursuing careers in math education, contemplating graduate mathematical study, or who just want to have some fun thinking about interesting problems! All interested students are welcome, regardless of courses taken.

If you have any questions about the group, please contact Prof. Berliner (berliner@stolaf.edu) or Prof. Diveris (diveris@stolaf.edu). We hope to see you on Monday!

Upcoming MSCS Clinics

Looking for a little advice on your homework? Wondering what LaTeX is but unsure of who to ask? Consider attending one of these helpful clinics!

Math 119, 120 - TOH 184
 3:30-5 p.m. Tue & Thu
 7:30-9 p.m. Sun, Mon, Tue, Wed & Thu

Math 126, 128 & 226
 3:30-5 p.m. Tue & Thu in TOH 184
 7:30-9 p.m. Sun, Mon, Tue, Wed & Thu in TOH 186

Math 220- RNS 204
 7:30-9 p.m. Sun, Tue & Thu

Stat 110, 212, 214 - TOH 182
 7:30-9 p.m. Sun, Mon, Tue, Wed & Thu

Mathematica - 7:30-9 p.m.
 Sun & Thu - Jonny - TOH 184
 Mon & Wed - Josh TOH 184 or 186
 Tue- Luke - TOH 184

LaTeX
 Sun & Tue - Will - RNS 204 - 7:30-9 p.m.
 Mon & Wed - Akina or Rodney - TOH 184 - 7:30-9 p.m.
 Tue & Thu - Corey - TOH 184 - 3:30-5 p.m.

Health Care Consulting Recruitment Opportunity

Optum, one of the nation's leading health care companies, will have representatives here on campus to host an information and recruiting session for their Leadership Acceleration Program next Monday, September 22.

According to their flier: Optum Consulting's Leadership Acceleration Program (LAP) is a tailored program for recent college graduates who are interested in developing a consulting career in the Health Care industry. This fast-paced development program offers challenging and diverse project work, ongoing training and mentorship, executive exposure and a variety of leadership opportunities. The program includes the following:

- Focused professional development including training sessions throughout the year

- Professional networking, executive exposure and community outreach activities
- A dedicated professional mentor to help guide and shape your career path
- Opportunities to work with seasoned industry professionals
- Exposure to the most complex problems in health care via real client work

If you're interested in learning more, or talking to one of the Optum representatives, there will be a table outside the Caf 5-6:30 and there will be an information session at 7:00 pm.

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If you would like to submit an article or event to be published in the Math Mess, e-mail greimann@stolaf.edu