

Midwest Mathematical Modeling Competition (MMMC)

October 25th & October 26th

The University of Iowa campus, Iowa City, IA

Overview

This new regional math contest gives undergraduate students the opportunity to apply their math skills to real world problems. In teams of three, students will have 23 hours to develop and test a model and write a one-page summary of their findings; an additional (24th) hour will be available in order for teams to finalize a 10-minute presentation explaining their result. Soon after completing their presentation, teams will present their findings to other student MMMC participants. The event will conclude with an award ceremony that will highlight the work of winning teams as determined by students and advisors.

Objectives

- Encourage independent thinking.
- Promote collaboration.
- Develop mathematical communication abilities.
- Prepare student teams to participate in COMAP's Mathematical Contest in Modeling (MCM).
- Create a unique mathematical community.

Items of Interest

- An MMMC team consists of three undergraduate students.
- Each team will be provided with
 - An independent workspace (one class room in either MacLean Hall or Schaeffer Hall)
 - One computer with internet access
 - Two CD-ROMs (used to turn in paper and presentation, separately)
 - Food (served buffet style in Muhly Lounge)
- Each team will choose to answer one of two questions by preparing a
 - 10-minute presentation
 - ½ page to 1 page summary of their findings
- Math faculty will judge abstracts.
- Participants will judge presentations.

Schedule

Saturday, October 25th

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| 9:30 | a.m. | Teams arrive / Registration (1505 Seamans Center) |
| 10:30 | a.m. | Opening Remarks including contest instructions (1505 Seamans Center) |
| 11:00 | a.m. | Competition Begins (MacLean Hall and Schaeffer Hall) |

Sunday, October 26th

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| 10:00 | a.m. | Abstracts due – teams turn in first CD-ROM |
| 11:00 | a.m. | Competition ends – teams turn in second CD-ROM with presentation |
| 12:00 | p.m. | Teams give presentations in pre-determined sub-groups (MacLean Hall) |
| 2:00 | p.m. | Finalists give presentations to large group (1505 Seamans Center) |
| 3:00 | p.m. | Award Ceremony / Closing Remarks (1505 Seamans Center) |