

# The Math News

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On the other side:

Mathematics majors can explore some of the mathematics used in robotics in **Applied Statistics, SM339; Discrete Mathematics, SM342; Differential Equations, SM222; Matrix Theory, SM261; and Linear Algebra, SM461.**

This issue's quotation:

"The mathematical sciences particularly exhibit order, symmetry, and limitation; and these are the greatest forms of the beautiful."

Aristotle, *Metaphysica*.

## Final exam schedule:

SM005	12/10	1330-1630
SM121A & SM121 & SM121C	12/9	1330-1630
SM161	12/10	0755-1055
SM122 & SM122S & SM212	12/9	1330-1630
SM222	12/16	1330-1630
SM221P & SM221 & SM223	12/10	0755-1055
SM261	12/11	0755-1055

Rooms to be announced—probably different from the room your section meets in now.

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Find copies of old final exams on the Math Dept site:  
<http://www.usna.edu/MathDept/website/index.htm>

## Preregistration final check

Fall course is:            Spring course should be:

SM005	SM121A
SM121A	SM122A
SM121 or SM121C	SM122
SM161	SM162
SM122	SM221
SM122S	SM221S
SM221P	SM212P

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## Quick Math Problem

Can you add four consecutive integers to get a perfect square?

Last problem's solution: The square of largest area that will fit inside a circle of radius one has area two. What's the area of the largest square that will fit inside the circle and outside the square? Assuming that the sides of the small square are parallel to those of the large square (true but messy to prove), the area comes out to be 0.08

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Need Some Help?

**MathLab** (CH216A) is available during every class period. **MGSP** (CH107, CH109, CH111) is available Sundays through Thursdays, 2000-2200.