



Danielle Hickey Photo Editor

Music Professor Steven Pologe gives sophomore Holly Larsen her cello lesson in Beall Concert Hall on Thursday morning.

## Professors get grant to study impact of senses on music

The \$45,000 grant will let professors Steven Pologe and Marjorie Woollacott continue their research

By **Allyson Goldstein**  
Freelance Reporter

Two University faculty members have been awarded a \$45,000 grant from the National Academy of Recording Arts and Sciences, the group that organizes the Grammy Awards.

Music Professor Steven Pologe and exercise and movement science Professor Marjorie Woollacott will use the grant money to continue their research on how musicians use senses to play specific notes on stringed instruments.

"Playing a stringed instrument is one of the most complex things we do as humans," Pologe said. "It requires minute accuracy, large simultaneous variables and a highly demanding physiology."

The researchers will use highly sophisticated technology and computer analysis to determine how accurately cellists play notes and scales. Certain senses musicians use to play their instruments, such as vision, will be blocked to evaluate how the absence of sensory inputs affects a musician's ability to correctly find notes.

"We are trying to investigate what cognitive elements are most involved in accurate performance," Pologe said. "We want to determine how vision, auditory information and tactile sensation are involved in playing a stringed instrument."

Woollacott, who controls the more technical scientific aspects of the

"This will be a pioneering study of musicians at all levels and ability ... We hope to document and study the most precise and rapid movements of which humans are capable."

**Marjorie Woollacott**  
University of Oregon Science Professor

research, is enthusiastic about the potential that the new study has to help researchers understand how musicians create their art.

"This will be a pioneering study of musicians at all levels and ability," Woollacott said in a press release. "We hope to document and study the most precise and rapid movements of which humans are capable."

The research began when Woollacott started taking cello lessons from Pologe about two years ago. Pologe said Woollacott was interested in the complicated motions, the synergy of various senses and the muscle groups required in playing a stringed instrument.

Sophomore general science major Ava Asher said the new study will provide musicians insight into their art.

"The study is relevant for musicians to see where their skill comes from," she said. "You can take it on faith that you're talented, or you can boil it down to a science."

While the researchers are still gathering data, Pologe said he hopes the study will ultimately provide a more

objective method for teaching aspiring musicians how to play stringed instruments and helping experienced musicians hone their techniques.

"Those of us who are responsible for training young musicians have always had to rely entirely on our subjective visual and acoustic perceptions of their performance," Pologe said. "This will allow us to more exactly detect, diagnose and correct problems."

**Allyson Goldstein** is a freelance reporter for the Emerald.

## MOTHER'S DAY SEAFOOD BUFFET

12:00 to 2:30 - and - 4:30 to 8:00

### All You Can Eat STEAMED CRAB

Fried Shrimp, Sweet & Sour Fish, Tomato Mussels, Pepper Salt Squid, Steamed Fish, Black Bean Sauce and all your favorite dishes, desserts & ice cream

for only **\$11.25**



**JADE PALACE**  
CHINESE SEAFOOD RESTAURANT

NO MSG

- Senior 60 & over \$10.25
- Children 85¢ per year up to 12
- Extended new menu served 12-9

906 W. 7th • 344-9523

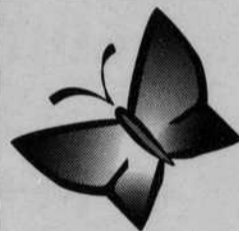
## It's time to graduate from communal bathrooms.

Seriously, you can own a place with only 3% down and it won't cost any more each month than your rent or your dorm. And Mom & Dad will be happy 'cause they get a tax break.

*Just give me a call and I'll do the rest.*

**FRANCENE GREWE**  
888-930-4622

**GMAC Mortgage**



**O**

UNIVERSITY OF OREGON

## It's Here Now! 2004 Summer Session Registration

Register for



Summer Classes

## Book Your Summer in Oregon

Summer Session starts June 21. Pick up your free summer catalog today in the Summer Session office, 333 Oregon Hall, at the UO Bookstore, or read it online. You can speed your way toward graduation by taking required courses during summer.

**Check Out Our Website!**

<http://uosummer.uoregon.edu>

### CORRECTION

The Emerald inaccurately reported that Cafe Paradiso's "best of" open mic show (ODE, May 6) was set for May 6. As of press time, it is tentatively set for the last Thursday of this month, May 27.

The Emerald regrets the error.

# GIVE ME 5!

Run your "for sale" ad (items under \$1,000) for 5 days in the ODE Classified Section. If the item(s) doesn't sell, call us at 346-4343 and we'll run it again for another

**5 days free!**

### Premier Travel

• Airfare Specials! •

Newark - \$172.00\*  
New Orleans - \$198.00\*  
Raleigh - \$198.00\*  
Cancun - \$399.00\*

\*tax and fees not included, restrictions apply. Subject to change without notice.

**Eurail Passes issued on-site!!!**

E-mail: [fares@luv2travel.com](mailto:fares@luv2travel.com)

1011 Harlow

747-0909

Student Travel Experts

