



Photo by Linda Howe
Linda Peterson works with an IBM 360-50 computer at the computer center on campus. At the center students can learn to develop techniques and programs for the use of computers and also can conduct research in statistics, numerical analysis and computer science.

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Computer Science

CS 221 Concepts of Computing

Can computers think? What can't they do? Are they taking over the jobs you are training for? These and other interesting questions will be the focus of **Concepts of Computing** (CS 221), taught by David Moursund from 1:30 to 3:20 p.m., Tuesdays and Thursdays.

The class will offer either two or three credits. The three-credit option permits the student to come into direct contact with these technological behemoths and to do some basic programming.

"Students can do about half a dozen basic programs," said Moursund, "but they certainly won't be competent programmers after the course." Moursund, head of the computer science department, hopes the course will explain the rise of computer science and stimulate students to continue the interest in this important area.

Students who opt for the two-credit version will get some experience with the center's computers. In three or four lessons a student will interact with a computer and learn BASIC, a computer-program language.

The "gospel" of computer knowledge, "The Computerized Society" by James Maritin, and another book, "My Computer Likes Me," will be the course's texts.

Tom Sowa

Physics

Phy 131 Physics of Sound and Music

Curious about the mechanics of music but lack the necessary background in science? Here is a course that will broaden your perspective and the only prerequisite needed is interest and some elementary background in music.

The course involves a study of the underlying principles of sound generation. It provides for an in-depth examination examination of vibrating systems,

resonance and harmonic content. It will probe into the mechanics of the human ear. Also planned is a study of consonance and dissonance, musical scales and the principles behind the mechanics of various musical instruments.

Even though there will be an extensive use of audio-visual aids, students enrolled for this course will be expected to pick up two textbooks, A.H. Benade's "Horns, Strings and Harmony" and "Intro Physics and Psychophysics of Music" by J.C. Roederer.

Assignments will include four sets of homework problems and a term project dealing with any aspect of sound that is of interest to the student. The only examination to be given will be the final.

The class will meet 8:30 a.m. MWF.

Jack Kinnunen

Geology

Geol 407 Geology of the Moon and Planets

I know you're interested in owning a piece of the rock. But how about studying one? These are more than just ordinary earthbound rocks; these are the nine planetary wonders of the universe, with a few stellar delights and meteorite marvels thrown in.

Next term Gordon Goles, professor of geology and chemistry at the University will begin teaching the new geology course **Geology of the Moon and Planets**.

The course is for non-science majors, and will teach, in non-technical terms, the history and origin of the solar system and moon in relation to the earth's development. A high school background in chemistry and physics should be ample preparation. The class, Goles explains, is taught "under the assumption that people either know a little chemistry or physics, or they are willing to ask questions and patch up their ignorance."

Instructional techniques for the class are traditional, lecture discussion and a fairly heavy reliance on slides. According to Goles, the matter is not dressed up, but the subject by itself "is very exciting."

His plan for teaching the course is sort of a step-by-step focussing in on theories.

The first stage will be a discussion of the physical characteristics of the planets and solar system. He points out that this is really a well-ordered universe. All

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Footnotes

Footnotes will cover the following classes Spring Term.

Anth 101	Hoff	Geol 101	Weill
Anth 102	Carter	Geol 102	Kays
Anth 103	McFee	Geol 303	Savage
Bio 102	Morris	Hiat 203	Maddex
Bio 106	Bradshaw	Hiat 203	Barlow
Bio 107	Wismer	Hiat 303	Berdahl
Bio 303	Munz	Psy 213	Kimble
Bio 306	Munz	Psy 213	Gordon-Lickey
Chem 103	Wolfe	Psy 216	Birrell
Chem 106	Shaw	Soc 201	Johnson
Chem 333	Reithel	Soc 371	Johnson
Econ 201	Campbell	ArH 204	Stern
GS 106	Moravcsik	ArH 205	McKenzie
Geol 103	Baldwin (both sections)	J 485	Rea

Footnotes office hours:

8:00-4:30 Mon thru Thurs

8:00-3:30 Friday

Room 15 EMU Phone 686-3729

This is only a partial list of classes we will be offering Spring term. More classes will be added before registration, and an up to date list will be available at that time.