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Eleventh Annual Summer Institute in Mathematics at the University of Dayton

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DAYTON, Ohio, March 11, 1971 --- The University of Dayton will conduct the eleventh annual Summer Institute in Mathematics beginning June 21 and continuing through August 7.

Initiated for the training of master teachers of high school mathematics, the institute is financed by a \$57,739.00 grant from the National Science Foundation. NSF has awarded this sequential institute more than a half million dollars in 11 years.

Directed by Dr. Harold Mushenheim, assistant professor of mathematics at UD, the institute course offerings are part of the program requirements for the degree of Master of Science in Education. Emphasis in the institute courses is solidly on content; however, the instructors will also make connections with the high school teaching situation.

By the end of this year's institute, nearly 50 teachers who have participated in the past ten institutes will have attained their master's degree.

The institute program consists of a sequence of six courses, two of which may be taken by a participant in one summer. Course offerings for this year's institute are MTH 513--Fundamental Concepts of Abstract Algebra, four credit hours; MTH 514--Fundamental Concepts of Analysis, four credit hours; MTH 515--Fundamental Concepts of Linear Algebra and Vector Geometry, four credit hours; MTH 516--Fundamental Concepts in the Foundations of Geometry, four credit hours; MTH 517--Fundamental Concepts of Probability and Statistics, four credit hours; and MTH 518---Fundamental Concepts of Statistics with Computer Applications, four credit hours.

Staff members for the 1971 Institute include Mr. Stanley J. Back, associate professor of mathematics, MTH 517; Dr. Robert B. Gorton, assistant professor of mathematics, MTH 515; Dr. John W. McCloskey, associate professor of mathematics, MTH 518; and Dr. Ralph C. Steinlage, assistant professor of mathematics, MTH 516.

Institute classes will be held in two air-conditioned classrooms in the Sherman Hall of Science. The same rooms will be reserved throughout the day and evening hours for the exclusive use of the participants to meet with the faculty and with one another informally for discussions or problem solving.

The University's new 8-story library, incorporating the latest in modern facilities, will be available for the use of institute participants.

Campus housing in modern but not air-conditioned residence halls will be available for single participants. Married participants may elect to live off-campus with their families, or in the University's new Campus South air-conditioned apartments.

The charges for a private room in the residence halls and 20 meals per week in the cafeteria will be \$294 for seven weeks; a private room and a five day meal ticket for \$252; double room and a seven day meal ticket are \$259, or \$217 if a five day meal ticket is preferred.

No tuition will be assessed; however, participants will be expected to pay for their own textbooks, supplies, and living expenses. A limited number of stipends are available for those currently teaching at least one course in mathematics or science on the junior or senior high school level.

Selection of participants will be based solely on the applicant's academic and professional qualifications and on the plans they have for improving their teaching. Preference will be given to those applicants with a B grade average in mathematics, who have attended no previous summer institute, who have completed at least two years of teaching, and who present in their applications a well-organized program of professional improvement, indicating the manner in which the courses offered in the institute in consecutive summers will serve to implement that program.

Participants are expected to qualify for admittance into the Master Teacher Program in the school of education.

Each student accepted into the institute will be accorded status as a special student in the graduate school of education. However, every participant shall be required to qualify as a regular graduate student in the school of education as soon as possible after being notified of his acceptance into the institute.

Additional information and application forms may be obtained from: Dr. H. C. Mushenheim, Director, Summer Institute in Mathematics, University of Dayton, Dayton, Ohio 45409.