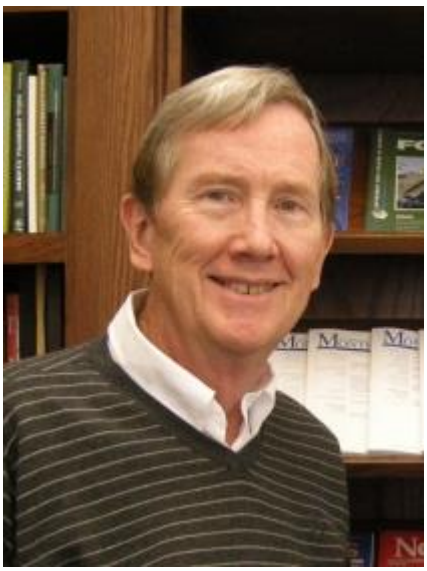
CNAS Public Lecture Series – Fall 2013

Temple Hall 002

October 29, 2013 7:30 PM – 8:30 PM

TEACHING TEACHERS MATHEMATICS



What mathematics should teachers know and how should they come to know that mathematics? *The Mathematical Education of Teachers II* argues that the mathematical knowledge needed for teaching differs from that of other professions and that teachers need mathematics courses that develop a solid understanding of the mathematics they will teach. The publication also urges greater involvement of mathematicians in teacher education. We will discuss the MET2 recommendations and report on efforts at the University of Nebraska-Lincoln to create mathematics courses for teachers and to work in partnership with mathematics educators to educate mathematics teachers able to educate K-12 students who graduate college and career ready.

Speaker: W. James "Jim" Lewis is an Aaron Douglas professor of mathematics and Director of the Center for Science, Mathematics, and Computer Education at the University of Nebraska-Lincoln. During the time he served as chair of his department, the department won the University-wide Department Teaching Award and an NSF Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. He has received many teaching awards including the University's Outstanding Teaching and Instructional Creativity Award and membership in UNL's Academy of Distinguished Teachers. He was the Carnegie Foundation's 2010 Nebraska Professor of the Year. He received the UNL Chancellor's Commission on the Status of Women Award for his support of opportunities for women in the mathematical sciences. He is a Fellow of the American Mathematical Society.

He is PI for two major NSF grants, NebraskaMATH and NebraskaNOYCE. He was chair of the writing team that produced the CBMS report, *The Mathematical Education of Teachers II*, and a member of the National Research Council committee that produced *Preparing Teachers: Building Evidence for Sound Policy*. He was a member of the AMS Task Force that produced *Towards Excellence: Leading a Doctoral Mathematics Department in the 21st Century* as well as the author of the first four chapters of this book. He is a past chair of the MAA's Coordinating Council on Education and the AMS's Committee on Education. He received his Ph.D. in mathematics from Louisiana State University.

PARKING WILL BE AVAILABLE IN LOT 4, SOUTH OF TEMPLE HALL