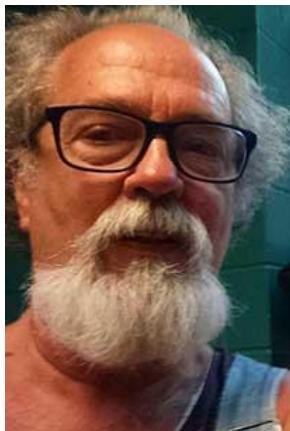


Applied Mathematics Seminar



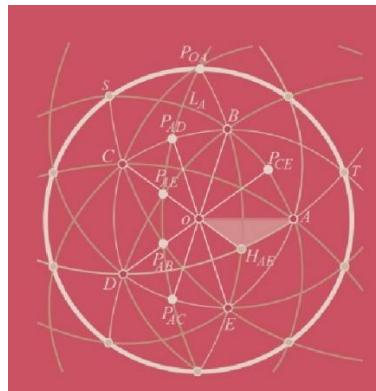
Dr. Mike McDaniel – Aquinas College

Friday, February 20 1-1:50pm

MAK A-2-610 (PCS) or [via zoom](#) (request password from ortizron at gvsu dot edu)

Geometry Goes Viral

Abstract: Some viruses, like rabies and herpes, have an icosahedral structure, like a D-20. A few years ago, Josh Wierenga (a student at the time) and I modeled the virus in elliptic geometry, the non-Euclidean geometry built for such round objects. The model started with Ptolemy's construction of a regular pentagon and ended with the cover of Mathematics Magazine. Come see if the math was worth the hype!



More info: <http://bit.ly/applied-math-seminar>

**Hosted by the Mathematics Department, GVSU