

DEPARTMENT OF MATHEMATICS

COLLEGE OF ARTS AND SCIENCES

Faculty

Bryan Dawson ()

Richard Dehn ()

Chris Hail ()

Dwayne Jennings ()

Matt Lunsford ()

George Moss ()

Michelle Nielson ()

Troy Riggs ()

Student Awards

Departmental Award

The Wolfram Research Inc. Award

Assessment of Majors



Student Organizations



Course Offerings in O



213. Calculus and Analytic Geometry III (4) F, S

This course covers the topics of differential and integral calculus, including the theory and application of the derivative, the definite and indefinite integrals, and the techniques of integration. It also includes the study of analytic geometry, including the theory and application of the straight line, the circle, the ellipse, the parabola, and the hyperbola.

305. Statistical Methods (3) S—Odd Years

This course covers the topics of statistical methods, including the theory and application of the normal distribution, the binomial distribution, the Poisson distribution, the chi-square distribution, and the F-distribution. It also includes the study of statistical inference, including the theory and application of the confidence interval, the hypothesis test, and the power function.

310. History of Mathematics (3) S—Even Years

This course covers the history of mathematics, including the development of the number system, the geometry, the algebra, and the calculus. It also includes the study of the lives and works of the great mathematicians of the past, including the Greeks, the Arabs, and the Europeans.

314. Differential Equations (3) F, S

This course covers the topics of differential equations, including the theory and application of the first-order differential equations, the second-order differential equations, and the partial differential equations. It also includes the study of the applications of differential equations to physics, engineering, and economics.

315. Linear Algebra (3) S; W—As Needed

This course covers the topics of linear algebra, including the theory and application of the vector spaces, the linear transformations, the eigenvalues and eigenvectors, and the matrix operations. It also includes the study of the applications of linear algebra to physics, engineering, and economics.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

180-280-380-480. Study Abroad Programs (1-4)

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

395-6-7. Special Studies (1-4)

495-6-7. Independent Study (1-4)

497-8-9. Seminar (1-3)