

Dept Number	CS 572	Course Title	Advanced Topics in Numerical Analysis							
Semester Hours	3	Course Coordinator								
Catalog Description	Selected advanced topics in numerical analysis chosen from such areas as: approximation theory; spline theory; special functions; wavelets; numerical solution of initial value problems; numerical solution of boundary value problems; numerical linear algebra; numerical methods of optimization; and functional analytic methods.									
Textbooks										
References										
Course Learning Outcomes										
Assessment of the Contribution to Program Outcomes										
Outcome →	1	2	3	4	5	6	7	8	9	10
Assessed →	X		X		X					
Prerequisites by Topic										
consent of instructor.										

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Major Topics Covered in the Course		
<p>This course which has been irregularly offered is intended as a special topics course with the specific content chosen by the instructor in accord with the background of the students. The specific selections would provide for deeper treatments of some of the major topics listed in CS 464.</p>		