MATH374 Letter of Appeal

At SDSU, MATH374 is a required course for Computer Science Majors. It is often viewed as a continuation of Math For Computer Science. The way I saw it, Math for Computer Science teaches students the math they need for CS that doesn't get taught in standard math classes, while Scientific Computation teaches students how to do math using computers. We looked at how computers store/use numbers and the problems that can be caused by that. Rounding errors, out of range numbers, overflow/underflow, are just some examples of this. We also learned various techniques to accomplish common mathematical functions that are greatly aided by computers like integration, differentiation, matrix manipulation, path finding, etc. Most of these topics were accompanied by programming assignments using MATLAB. Accompanying this document you should find some examples of those assignments.

Class in Question: SDU:MATH374

Argued Goal: WSU:Computer Science Elective

Arguments of Appeal:

1. Course Goals Align

2. Computer Science I is a prerequisite

3. Almost all assignments were programming based

4. It is required for a CS Undergrad by SDSU