

1067-Z1-2331      **Mihaela Dobrescu\*** ([mihaela.dobrescu@cnu.edu](mailto:mihaela.dobrescu@cnu.edu)), Newport News, VA 23606. *Cool Calculus; From Weight Loss to Climate Change in an Intermediate Calculus Course.*

A traditional intermediate calculus course deals with integration and its basic techniques, and concludes with sequences and series. An alternative approach to the final examination was considered. Students could choose a project on a topic on and beyond the concepts studied over the semester. They would use books and articles, they would write a research paper, and they would finish with a presentation. Many of these students went a step further with their presentation to regional undergraduate conferences, and some have submitted articles for publication. The alternative to the traditional final examination was beneficial to the students involved, to the rest of the class, to the department, and to the university. (Received September 22, 2010)