Space Grant Program in Cheyney University

Sakkar Ara Eva

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Philadelphia
Cheyney University

• Founded in 1837 as the Institute for Colored Youth, Cheyney University of Pennsylvania is the oldest of the Historically Black Colleges and Universities in America.

• Today, Cheyney University students represent a variety of races, cultures, and nationalities who receive education instruction beyond the vision of the founder Richard Humphreys.

• Cheyney graduates still become teachers, but students also enter careers such as journalism, medicine, business, science, law, communication, and government service. The university offers baccalaureate degrees in more than 30 disciplines and the master’s degree in education.
Cheyney Space Grant Team

- Marilyn Guidry
- Adedoyin Adeyiga
- Steven Hughes
- Heidi Wood-Tucker
- Warren Gooden
- Ayodele Aina
- Sakkar Eva

• Cheyney Students
Focus of past activities

• Support the development of interdisciplinary courses, curriculum, and workshops, including introductory courses designed for undergraduate students not majoring in scientific or technological disciplines.

• Develop Earth, Air, and Space programs to enhance public scientific literacy and to complement community needs. Outreach
Past Project Activities

- NASA Exploration days- Lincoln University, Cheyney University and area school districts
- SPACESAT Training in July 2006 with Colorado Space Grant- Marilyn Guidry
- Cheyney University Balloon Exploration Program (CUBE)- Marilyn Guidry, Deviey Petrescu, W. Gooden, A, Aina
- Curricular Modification in GIS
- Cheyney students leading workshops, GPS and GIS technology at Thurgood Marshall Elementary School in Philadelphia
- Attend a balloon launch in Clearfield, Maryland- Maryland Space Grant
NASA Day  October 2006
Ballooning 101

- Montana Space Grant Consortium
  - Materials, handbooks, recommendations

- Maryland Space Grant
  - Observe a launch
RGE341 Fundamentals of GIS II
RGE342 Fundamentals of GIS II Lab

- NASA Visible Earth
- EOSS Software Balloon Track
- BOREALIS Handbook
Current Focus

• Develop and promote opportunities for undergraduate and graduate students to participate in research and discovery, including student flight projects. Include programs with a focus on enhancing the participation of students from underrepresented groups.

• Provide graduate and undergraduate training through the mechanism of fellowship and scholarship awards. Increase the number of awards to students from underrepresented groups.
Recent Activities

- Develop collaborative relation with other institution
- Develop undergraduate research capacity on campus
- Provide research training on campus
- Arrange research training for faculty and students in research intensive institutions
Recent Activities

• Summer Internships
• Student poster presentation on campus
• Student participation in research symposium
• Student and faculty attending conferences and workshop
• Advancing to Graduate school
• Outreach
Poster Presentation in CU
Participation in Research Symposium
Training in Research Intensive Institutions
Progression to Graduate Schools