



MATH, SCIENCE & SOCIAL SCIENCE DIVISION

Meeting Minutes

Nanotechnology Technical Advisory Committee

Tuesday, October 21, 2008, 7:30 a.m.
Math, Science & Social Science Conference Room

MEMBERS PRESENT

Denise Bale
Rad Roberts

Michael Hochberg(via phone)
Jeanne Small

Len McNally
Kathleen Stamm

NSCC MEMBERS PRESENT

Alissa Agnello
Mary Ellen O'Keefe

Bob Kaercher
Chris Sanders

Pete Lortz

WELCOME AND APPROVAL OF MINUTES

Len McNally called the meeting to order at 7:30 a.m., welcomed and thanked everyone for attending the meeting. Minutes of the Spring Quarter meeting were approved as corrected: Incorrect spelling of Michael Hochberg's name.

I. INTRODUCTIONS

Len McNally called the meeting to order, welcomed and thanked everyone for attending the meeting. Each person introduced themselves and company/college they represented.

II. UPDATES FROM NSCC

CURRENT ENROLLMENTS: Alissa reported twelve students are currently enrolled in NANO 101 and eleven in MSC 101. The new course NANO 225, which combines NANO 220 and 230, has been approved by NSCC's CAS Committee (Curriculum and Academic Standards).

NSF GRANT PROPOSAL: The NSF Advanced Tech Grant submitted last fall did not receive approval.

III. NEW PROGRAM PATHWAYS

Alissa explained the options for the AS Degree and the minor changes in AAS-T degree, i.e., adding a quarter of biology, replaced business communication with an internship class, adding calculus. Michael Hochburg suggested differential equations or linear algebra and recommended requirements match the transfer requirements at UW. Options for students would be science and engineering. Rad Roberts asked about tracking data of NANO students. Alissa explained being it is a new program, there have been only three two-year graduates as the other students who started the program found employment and chose not to return to classes.

IV. NSF-ATE PROJECT SUBMISSION

OVERVIEW: Alissa gave the history of previous NSF grants: 2006 grant was denied, but a planning grant was awarded; 2007 submitted a “Train the Trainer” grant proposal, which was not approved. 2008 submitted another, entitled SHINE: Seattle Hub for Industry-driven Nanotechnology Education. (See attached.) Jeanne Small was thanked for her assistance is writing the new grant. Pete thanked Mary Ellen O’Keeffe for the assistance of NSCC’s Tracy Woodman. Pete said it was a good team who put in many hours of work.

INDUSTRY INVOLVEMENT: Regarding internships for NSCC students, Alissa announced the new schedule: Internships will be in back-to-back quarters, February to June rather than two spring quarters. She is working with Kurt Simmons, NSCC Internship Coordinator. There are twelve students requiring internship. Len McNally stated Honeywell doesn’t have an internship program, but they working on other options. Rad Roberts said the University of Washington has offered slots and praised the back-to-back quarters of internship time period.

V. NSF-ATE PI TRIP TO WASHINGTON, DC

Pete Lortz and Alissa were invited to attend the conference in Washington even though NSCC doesn’t currently have a grant. They attended workshops, did a lot of networking, and found the conference information rich. Jeanne Small talked about the change of leadership in NSF-ATE and discussion followed.

VI. QUESTIONS FOR INDUSTRY

Pete asked the committee for guidance: are we hitting all the Nanotech areas in curriculum, marketing, TAC membership, funding opportunities? Discussion followed.

VI. FUTURE MEETINGS

Pete asked members if early morning meets were preferred by everyone. Or would an afternoon meeting be preferred. NSCC will send a survey to members prior to the next meeting to be held between March and May, 2009.

Meeting adjourned at 9 a.m.