

The UAF Faculty Senate passed the following at Meeting #191, May 6, 2013:

MOTION:

The UAF Faculty Senate supports continuation of the PhD Degree in Mathematics on the condition

Senate and to the Provost demonstrating success in meeting the intent and milestones of its plan (“Revitalizing the Mathematics Ph.D. Program at UAF”), submitted to the Faculty Senate and attached here. These reports are to be submitted by the Program Review document deadline established by the Provost in 2012, the next time the deadline is 2. This condition will continue

To Whom it May Concern:

Enclosed please find a draft plan for 'Revitalizing the Mathematics Ph.D. program' at IIAE. This plan has

been drawn up over the course of several months, in consultation with the Provost and CNSM Dean, who

support our revitalization plan at this time. The expectation is that more faculty members will be involved

MATHEMATICS PH.D. REVITALIZATION PROPOSAL

The Department of Mathematics and Statistics proposes the following plan for revitalizing its Ph.D. Program.

VITALITY GOALS

THE GOALS OF THE PROGRAM ARE TO PROVIDE A RIGOROUS AND CHALLENGING MATHEMATICS CURRICULUM FOR ALL STUDENTS AND TO ENHANCE THE QUALITY OF THE MATHEMATICS TEACHING PROFESSION.

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- (4) Improving the DMS Web page, focusing on the goal of recruitment of students.
- (5) Mailings and visits to US universities that have MS programs in mathematics, but no Ph.D., to recruit recent graduates.
- (6) Improving faculty contacts at individual foreign institutions (e.g. UNAM Mexico, Mexico, University of New Brunswick-Fredericton, Canada, University of Tasmania, University of Canterbury, etc.)

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to encourage more well-prepared foreign applicants.

- (7) Have individual faculty members send targeted emails to colleagues who work in fields related to

the faculty member's area of research, soliciting students who are interested in working in that field, and following up with calls to interested students who apply.

- (8) Meeting with personnel from the Office of Admissions and CNSM to discuss other ways to enhance recruiting.

REVISED PROGRAM FOR PH.D. STUDY

The current Ph.D. requirements, which were designed to reach an acceptable consensus across the full department (including those opposed to the program) are modeled more on those of much larger math departments, and are not practical for our size.

- If possible, administer a Ph.D. exam

Year 3:

- Recruit for Ph.D. students
- Admit 1 – 2 Ph.D. students (that is, students who have the intention of pursuing a Ph.D., although we may admit them into the M.S. program).

- Ideally, approve a dissertation research proposal and advance a student to candidacy

Year 4:

- Recruit for Ph.D. students
- Admit 1 – 2 Ph.D. students (that is, students who have the intention of pursuing a Ph.D., although we may admit them into the M.S. program).

- Administer Ph.D. exams
- Advance a student to candidacy, if possible

Long-term: Graduate the equivalent of 2 Ph.D.s every 3 years.