

## Report for Local Mathematics IMPAC Conference

at

UC San Diego, February 25, 2006†Submitted by Martin Flashman

IMPAC Lead Faculty for Mathematics

†Based in part on notes by Yoly Woo-Hoogenstyn, Articulation Officer, UCSD

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A List of preregistered participants is included at the end of this report.

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**Preface:** Based in part on the recommendations from the 2004-2005 Mathematics IMPAC Report, most of the 2005-2006 Mathematics IMPAC Conferences were held at local regional sites hosted by university mathematics departments at their campuses. Participants came from colleges and universities with relative proximity to each other within a local region. The agendas for the meetings were distributed and posted on line at the Math IMPAC web site:

<http://www.humboldt.edu/~mef2/IMPAC/MATHIMPAC.html>.

This report covers the conference held on February 25, 2006 at UC San Diego.

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Professor Sam Buss, Chair UCSD chaired the meeting. Discussion went according to the agenda organized by the UCSD faculty and staff after consulting with the participants.

- The conference opened with introductions and a review of last year's articulation meeting organized by UCSD.
- Presentations were made on articulation issues and concerns as it applied to UCSD.
  - Performance of community college students at UCSD were discussed,
  - UCSD transfer statistics were presented.
  - There followed a discussion of transfer vs native student math GPA at UCSD.
    - San Diego Community Colleges' students maintain a higher GPA vs all community college students throughout the state.
    - Discussion considered factors that prevent transfer students from obtaining GPA's similar to those for native students
    - One suggestion involved building a community among transfer students upon arriving at UCSD. This might help the student with achieving higher grades.
    - The use of Maple and Matlab were discussed as a possible area where transfer students might need additional support.
- Professor David Lesley, Chair, SDSU Mathematics, made a lengthy presentation on the math program at SDSU. He discussed the following:
  - Lower division Math coursework in regard to LDTP.
  - SDSU student population is currently about 50-50 native and transfer students.
  - Lower division courses required for specific majors.
- CSU San Marcos made a short presentation noting that Business calculus will be reorganized.
- Professor Flashman was given the floor for 1 hour and 20 minutes to discuss IMPAC related issues. The following were among the many topics discussed
  - The ASSIST website –ASSIST has a new web organization for Exploring Majors within the UC's and CSU's. Concern was expressed on the display of the majors which can be confusing and counterproductive. It was suggested that faculty e-mail Eric Taggart with suggestions on reorganizing the web page, including getting more

faculty input for its design. One suggestion was to add a link to a Math webpage for each CSU and UC.

- It was suggested that the universities consider revising their transfer web page to make it student friendly, including transfer admission information with regard to majoring in Math.
- LDTP –There was an extensive discussion on the new CSU transfer program. Some details were covered on the nature of the Math pattern for preapration as well as the new CSU trasnfer numbering system that will eventually replace the CAN numbers.
- As at other IMPAC meetings this year there was a discussion of how Linear Algebra is being taught. Each campus shared on the how the linear algebra course is presented. Ideas were exchanged on ways to improve the course.
- These are efforts underway to develop Math community (Math Days) by bringing students together to meet with 4 year university faculty and students. CMC^3 and Sonoma State are hosting Undergraduate Math Conferences this year sponsored in part by the MAA and the NSF. Transfer students benefit from these conferences by making an early connection with the 4 year institutions.
- The group recommended continuing Math meetings to improve intersegmental communication. CSU San Marcos and SDSU will present their majors and more statistics at the next meeting in 2007.

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A roundtable discussion took place during lunch. It was recommended that the universities work with the community colleges to help ease the transition for transfer students.

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At the next meeting Dr. Lesley, Chair SDSU, will present performance statistics similar to UCSD's information presented at this meeting.

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Attendance:

Tejinder Neelon	CSU San Marcos	Math Dept
Martin Flashman	HSU	IMPAC Lead
Sam Buss -	UCSD	Math Dept Vice-Chair,
John Eggers	UCSD	Lower Division Calculus Coordinator
Bruce Arnold	UCSD	Math testing & Placement
Janice Johnson	Grossmont College	Articulation Officer/Counselor
Libby Anderson	San Diego City College	Articulation Officer
Victoria Noddings	MiraCosta College	Mathematics
Teresa McNeil	Cuyamaca College	Counselor/Articulation Officer
Judith F. Ross	San Diego Mesa College	Chair, Department of Mathematics
Ron Sandvick	San Diego Mesa College	
Peg Hovde	Grossmont	Chair
Cynthia Anfinson	Palomar College	Mathematics Learning Center Director
Sherry Zobell	Imperial Valley College	Mathematics Department
Veronica Burton	Southwestern College	Articulation Officer
David Lesley	San Diego State University	Chair
Yoly Woo-Hoogenstyn	UCSD	Articulation