Mathematics

Program Strengths and Accomplishments
The department is committed to maintaining high academic standards which meet the needs of students who are planning to transfer to a four year university, working on Associates of Arts degree, a vocational/occupational certificate or for enrichment. The faculty understands that many students who enroll in college are not prepared for college level math; therefore, they have worked to develop courses and support systems to help the under-prepared student to achieve success in math. To help students succeed in math, faculty have participated in several Learning Communities, supported Peer Assisted Learning and Supplemental Instruction classes, offered “hybrid” classes and developed teacher math preparation courses. Three of the teachers in the department have been nominated as Orange County Teacher of the Year and two have been honored as finalists for this prestigious award. Student surveys indicate a very high level of satisfaction with the instruction they receive. Ninety percent of the students rate instruction in the “good/excellent” category. The faculty is to be commended for their extensive involvement on campus committees and for collaborating with other disciplines to develop instructional programs to meet student needs.

Other Issues Facing the Department
Through the One Time Budget Request process, funds for tutoring have been increased for the 2007-2008 academic year, which includes tutors for math. The faculty is encouraged to continue their participation in the process of developing Student Learning Outcomes and Assessment. Providing the State Bond passes in 2008, the Science, Engineering, and Math Building is scheduled to be remodeled. It is suggested that the SEM faculty work with the Vice President and architect to identify the classroom/laboratory needs for the Division. However, even with remodeling the building, it is anticipated that there will still be a need for some instruction to take place in other buildings. According to State guidelines, at this time, our campus is underutilized and additional classroom square footage cannot be added. The faculty has identified a need for “properly equipped” classrooms. Until the remodeling takes place, it is suggested that the Dean meet with the Director of Maintenance and Operations and/or the Vice President to identify rooms that require proper equipment/furniture for instruction.

Goals/Action Plans for the Next Three Years
• Increase the amount of reassigned time for the Math Department Coordinator
• Additional classified staff for the SEM office
• Secure faculty offices against theft
• Supply instructors with instructional equipment
• Increase the number of Math classrooms
• Enhance the learning environment
• Improve student placement
• Review and update course offerings
• Increase the number of SI/PAL sections
• Better serve students by increasing the effectiveness of the Math Learning Center
• Train faculty and develop hybrid Math classes
• Obtain computer software to increase effectiveness of instruction
• Schedule regular meetings with part-time instructors
• Curriculum development of companion courses for learning communities
• Protect higher level courses from class cancellation
• Help students decrease their anxiety about taking math classes
• Enhance professional development
• Develop SLO’s and an assessment plan for Math 20
• Improve classroom setting
• Train faculty; create and publish materials for web-enhanced math courses
• Introduce paid office hours for adjunct faculty
• Hire new full-time Math faculty