

2004–2005 Program Review Update  
Mathematics and Statistics  
Yuba College

The Mathematics Department

November 30, 2004

Date of next program review: 2008–2009

1. Based upon the data provided, briefly explain the current status of the program.
  - Marysville campus
    - Lecture rooms: 11.
    - Faculty offices: 5 for faculty assigned f-t to teaching math and stats; 4 for f-t faculty with partial load assignments in math.
    - Room 847 computer lab is used for stats with 30 computers and licenses for stats software.
    - Room 700 Hard Math Cafe is used for drop-in math tutoring; 5 computers are available for student use in the adjoining Room 701 (MESA).
  - Clear Lake campus
    - Lecture classrooms: 2.
    - Faculty offices: 1 for faculty assigned f-t to teaching math and stats; 1 for f-t faculty with partial load assignments in math and stats.
    - Room 400 business lab has a bank of 30 computers and licenses for stats software.
  - Woodland campus
    - Lecture classrooms: 7.
    - Faculty offices: 2 for faculty assigned f-t to teaching math and stats; 1 for f-t faculty with partial load assignments in math.
    - Room 701 has a bank of 30 computers and licenses for stats software.
  - Beale AFB center
    - Lecture classrooms: 2.
    - Faculty offices: None; no f-t faculty assigned to the center.
2. Explain significant changes in the program since the last program review or annual update.
  - Marysville campus
    - 3 f-t faculty hired to replace 3 faculty retirements.
  - Woodland campus
    - 1 f-t faculty added.
  - All campuses
    - Math 111 course units increased from 3 units to 4 units commencing spring 2005.
3. Briefly explain significant changes expected during the upcoming year.
 

None.
4. Briefly identify the current program needs in each of the following areas:
  - Curriculum and Program Directions
    - It is anticipated that the Statewide Academic Senate will approve a motion to raise A.A. math graduation requirement in Title V from a course that is equivalent to elementary algebra (Math 50 here) to a course that is equivalent to intermediate algebra (Math 52 here) in the next year.
    - Increase course units for Math 50 and Math 52 from 4 units to 5 units.
    - Set reasonable class cap sizes on math and stats courses.
    - Provide paid office hours for adjunct faculty in math.
    - Fund student grading help for f-t faculty at an appropriate level, at least to reflect changes in the minimum wage over the last 50 years.

- Make tutoring available for evening students at all campuses and throughout the day at the Woodland campus and the Clear Lake campus.
  - Staffing
    - Marysville campus  
There is a need to hire at least one f-t faculty for math in the near future.
    - Woodland campus  
There is a need to hire one f-t faculty for math in the near future.
    - All campuses  
There is a need to provide at least 20% release time or a commensurate stipend for each of three math coordinators.
  - Equipment
 

All campuses

    - Purchase stats Minitab software upgrade to the latest release to match textbook assignments.
    - Purchase math software. (Matlab, Maple, Mathematica, and Geometer’s Sketchpad are examples.)
    - Upgrade faculty computers to handle better the latest math and stats software.
  - Facilities
    - Marysville campus
      - \* Replace HVAC units in Bldg 700 faculty offices.
      - \* Replace white boards in classrooms and labs.
    - Woodland campus
      - \* Need access to a computer lab.
      - \* Need a room for faculty to host drop-in math help (similar to the Hard Math Cafe on the Marysville campus).
    - Clear Lake campus
      - \* Need access to a computer lab.
      - \* Need a room for faculty to host drop-in math help (similar to the Hard Math Cafe on the Marysville campus).
5. What progress has been made on recommendations from the last program review and/or annual update?

Marysville campus: 1 f-t faculty for math hired.

### Program Review Annual Update Data

**Program:** Mathematics

**Year:** 2003-04

<b>Annual</b>	<b>2003-04</b>
Total WSCH	11,659.5
Annual CO FTEF	4.95
Annual EP/NC FTEF	4.63
Annual Total FTEF	9.58
Average WSCH per total FTEF	601.01
FTES	388.65

(This data sheet is to be completed using district-wide data from the Instructor Load/FTEF/WSCH/FTES book from the Office of Instruction. This data sheet is to be included with the Academic Review Annual Update.)