

NCATE
Compliance with Specialty Outcomes

Professional Organization: National Council of Teachers of Mathematics

Institution Submitting Program: Southern Connecticut State University

Program: Grades 7-12 Mathematics

Degree Level(s): Baccalaureate, Post-Baccalaureate **Date of Review:** June 4, 2003

OUTCOMES PARTIALLY MET OR NOT MET: Grades 7-12 Baccalaureate and Post-Baccalaureate

When the Mathematics Department either reorganizes MAT 320/321 or requires a separate statistics course, outcome 1.5.6 on descriptive and inferential statistics will be addressed in the undergraduate program.

Many mathematics programs do include the topics listed in outcome 1.5.11 in other courses rather than requiring Discrete Mathematics. When the Mathematics Department determines whether to integrate the topics of discrete mathematics or require MAT 378 this outcome will be addressed in both the graduate and undergraduate programs.

Many mathematics programs do include historical modules in their required mathematics courses and that decision would parallel the revised mathematics standards to be presented to NCATE in October 2003. When the Mathematics Department determines whether to include historical modules within required courses or to require MAT 300 for both programs this outcome will be addressed.

Typically outcome 2.9 on interdisciplinary team teaching is addressed in education courses.

PERCEIVED PROGRAM STRENGTHS: The work of the Mathematics Department in carefully considering the program review and in determining possible courses of action points to a faculty that is anxious to offer a program that is the finest available. This is a strength that is invaluable.

PERCEIVED PROGRAM WEAKNESSES: The courses of action to address the weaknesses noted in the first review are in the process of being determined.

OTHER COMMENTS: Thank you for presenting a rejoinder that shows careful thought of the possible options for improving the mathematics education programs.

PROFESSIONAL ASSOCIATION'S RECOMMENDATION REGARDING COMPLIANCE OR NONCOMPLIANCE WITH THE SPECIALTY OUTCOMES (i.e., has the institution adequately met the specialty outcomes?):

Program(s) in Compliance:

Program(s) NOT in Compliance:

Additional Information Needed to Determine Compliance: The decision of what course of action the Mathematics Department will take in addressing outcomes 1.5.6 (statistics), 1.5.11 (discrete mathematics), 1.6 (history of mathematics), and 2.9 (interdisciplinary or team teaching) is needed before these programs can be said to be in compliance.

If a second review of the program folio is requested by the institution, how many copies of the rejoinder should be submitted? Two copies are needed by NCTM.

Special directions for the preparation of a rejoinder: This rejoinder can be a memorandum naming the decisions made to address outcomes 1.5.6, 1.5.11, 1.6 and 2.9.