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**INTENDED OBJECTIVES AND ASSESSMENT CRITERIA
DEPARTMENT OF CHEMISTRY AND PHYSICS
PHYSICS CURRICULUM**

Institutional Purpose:

Mission/Scope Statement:

Southeastern's primary focus is high quality and comprehensive undergraduate instruction in the arts and sciences.

Goal Statement:

Southeastern's working goals are to develop and maintain:

1. Quality educational programs;
2. A positive environment for students' overall development;
3. Appropriate standards for the assurance of graduates' competencies in mathematics, written English, computer literacy, and a major field of study.

Intended Objectives:

Knowledge:

1. Graduating seniors should have an adequate knowledge of the various subfields of classical and modern physics.
2. Graduating seniors should have some knowledge of the landmarks in the development of classical and modern physics.

Skills:

Graduating seniors should:

1. Have problem solving skills.
2. Be competent in laboratory methods.
3. Be competent in mathematics and the use of computers.

Attitudes:

Majors should feel that

1. they have been given every reasonable opportunity to learn and grow as a physicist.
2. The physics faculty were concerned about their progress and performance and made themselves available to offer assistance.

Assessment Criteria

The ETS's MFAT in physics will be given to all physics majors late in the spring of the semester in which they complete their junior and senior level physics courses. This sequential testing is expected to show individual improvement. At least 75% of seniors should score at the 70 percentile or above.

Although the MFAT and Southeastern's Mathematics Proficiency Exam will be taken into account as indicators of competence in mathematics, the primary measure of competence in both mathematics and use of computers will be the expectation that the student maintain a 2.0 grade point average in their mathematics and computer science coursework.

An instrument will be developed within the Department to assess students' attitudes toward the faculty and the curriculum.

80% of the graduates will rate the Department as satisfactory or better on 80% of the indicator items.

80% of employees/graduate schools will rate graduates of the physics degree program as satisfactory or better in follow-up surveys.

