COLLEGE OF THE MARSHALL ISLANDS
COURSE OUTLINE

CIP No. 13.1316

EDU 323
Alpha Number

Course Description
Provides pre-service teachers with the knowledge, skills, and attitudes that will enable them to successfully provide elementary students with the foundations necessary to become scientifically literate members of society. Stresses strategies to guide elementary learners to be involved in a dynamic cycle of observing, exploring, testing and finally forming generalizations or conclusions.

Course prepared by: Education Department April 2011

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<tr>
<th>Course Component</th>
<th>Hours per Week</th>
<th>Number of Weeks</th>
<th>Total Hours</th>
<th>Credits</th>
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<td>Lecture</td>
<td>3</td>
<td>16</td>
<td>48</td>
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Total Credit Hours: 3

Purpose of Course:
Degree Requirement: X
Degree Elective: 
General Education: 
Certification: 
Developmental: 
Community Education: 
Other:

Prerequisite(s)
Admission to BSEd program

Signature, Curriculum Committee Chairperson

Signature, Dean of Academic Affairs

Signature, Vice President of Academic and Student Affairs

Last Date reviewed or revised: __________
I. **Elementary Science**  
   Course Title

II. **Course Outcomes**

   A. **General Learning Outcomes**

      The student will:

      1. Explore a variety of strategies that promote effective science instruction and assessment (SOE 1, 5)
      2. Examine a variety of inquiry based activities that reflect a balance of the biological, physical, earth and environmental sciences (SOE 1, 4)
      3. Understand the use of children's literature to promote science knowledge and practice (SOE 3, 4)
      4. Compare/contrast contemporary and indigenous science knowledge (SOE 2)

   B. **Student Learning Outcomes**

      Upon completion of this course, the student will be able to:

      1. Plan and implement grade appropriate science instruction and assess student learning
      2. Create a collection of grade specific inquiry based activities
      3. Promote students' science knowledge through reading and writing using select children’s literature
      4. Develop and present lessons based on contemporary and indigenous science knowledge

III. **Course Content**

    Provide students with knowledge and methods for effective teaching of science in the elementary school.

    1. Scope of elementary science concepts
    2. Curriculum materials for classroom use
    3. Integrating children's literature in science topics
    4. Scientific exploration in local environment

IV. **Methods of Instruction**

    1. Instructional modeling
    2. Field experience
    3. Presentations
    4. Content readings

V. **Equipment and Materials**

    1. Notebook for personal portfolio
    2. Professional teaching videos
    3. TV/VCR/DVD & video camera
    4. Laptop
VI. Suggested Methods of Evaluation

1. Quizzes
2. Demonstration
3. Media summaries
4. Field assignment completion
5. Written self-evaluations/journals
6. Class/individual projects

Letter grades will be assigned per CMI Grading System.