

**Appendix D
COM-FSM**

COURSE MODIFICATION REQUEST

SC 100a: Science for Teachers
Course Number and Title

Instruction: Science Division
Department

SC/ED 100a: Science for Teachers
Recommended Course Number and Title

Instruction: Science Division
Department

NEW COURSE OBJECTIVES (GENERAL CLOS):

- understand and apply basic knowledge, methods, and skills of the Chuuk State Department of Education's science curriculum framework, Grades 1-8, for Space Science, Earth Science, Physical Science, Environmental Science, Technology and Science, Life Science, and Human Science
- demonstrate strategies in scientific methodology and in science teaching in Chuuk's elementary schools
- design and develop daily lesson plans for a teaching unit in science education

NEW COURSE DESCRIPTION: This one-semester course covers basic knowledge of topics and contents in the Chuuk State Department of Education's science curriculum framework (Grades 1-8) in order to increase information background of students (pre-service teachers) in elementary-school science (as shown in the chart on page 2). At the same time, it is intended to help students develop and demonstrate both science methodology and science teaching methods and skills in Space Science, Earth Science, Physical Science, Human Science, and Life Science.

JUSTIFICATION FOR REVISING THE COURSE:

- The existing course outline, as found in the VPIA website, identifies SC 100a as SC 200, and the revised course targets 48 hours rather than 45 hours.
- As important as science knowledge is, as shown in the existing course outline, this course is for pre-/ in-service teachers who need more than just knowledge. They also need science teaching methods and skills, as identified in this revised course.
- The specific objectives in the existing course outline are not formatted at all as student learning outcomes (SLOs) and do not correspond with course learning objectives (CLOs) and program learning outcomes (PLOs) in the A.S. degree program for teacher education.
- The required textbook in the existing course outline is for secondary education, not elementary education.

Division Chairperson

Date

Chairperson, Curriculum Committee

Date

President, COM-FSM

Date

Official Use Only

New Course Number and Title:

REFERENCE MATERIALS:

- Instructor Magazine (library reference, monthly during the school year): science articles and science classroom demonstration and project activities
 - Teaching K-8 Magazine (library reference, monthly during the school year): science articles and science classroom demonstration and project activities
 - General Internet Resource: "Science Lesson Plans" = www.col-ed.org/cur/science.html
 - General Internet Resource: "The Lesson Plans Page" = www.lessonplanspage.com/
 - Specific Internet Resource: <http://www.pbs.org/teachers/>
 - Specific Internet Resource: www.cloudnet.com/~edrbsass/edsci.htm
- plus about 39,400 more Internet websites under "science lesson plans" "elementary"