

A8-7x

Form with checkboxes and fields for course details.

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Fill in all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program.

Programs (check all that apply) Course Proposal

1. Title of the course and field of specialization

2. Description of the course

3. Prerequisites

4. Course objectives

5. Texts and materials

6. Other information

Approved

Revised

Approved

Revised

## Part II. Description of Curriculum Change

### 1. New Catalog Description

#### GEOS 313 Soils and Soil Geochemistry

2c-3l-3cr

Prerequisite: Grade of C or better in GEOS 201 and GEOS 202

An introduction to the formation, classification, and geochemistry of soils. Emphasizes geology, climate, hydrology, and plant-soil interactions to investigate soil evolution and fertility, nutrient dynamics, and the role of soils in the global carbon cycle. Laboratory topics include assessment of soil structure, mineralogy, chemistry and fertility as well as quantitative treatment of carbon cycling in soils. Includes field trips

which may occur on weekends.

### 2. Proposed Change and Old Catalog Description

#### GEOS 333 Soils and Soil Geochemistry

2c-3l-3cr

Prerequisite: GEOS 220

An introduction to the formation, classification, and geochemistry of soils. Emphasizes geology, climate,