

Global Learning Semesters

Course Syllabus

Course: EDUC-213 Natural Science

Department: Education

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
EDUC-213	Natural Science	3
Semester Offered	Contact Hours	Prerequisites
Fall	42	None
Department	Level of Course	Language of Instruction
Education	Lower Division	Greek

Course Description

Science, the scientific method and scientific thinking. Theories vs scientific truths. Selection from the multiplicity of scientific phenomena such as mixtures, forces, temperature, sound, light, water, magnets, electricity etc., and their study by the application of the scientific approach. Soil, kinds of soil, seeds and plant life. Object study of the life cycle in plants, insects and other living beings. The silk-worm. Construction of an aquarium, a bee-hive, a worm-nest and a model school garden. The importance of manure in the development of plants. Projects on above.

Instructor

Dr. Petros Georgiades

Course Aims and Objectives

Develop an understanding of scientific method and how it can be applied in the school.

Teaching Methods

The course is delivered through a mixture of lectures and practical exercises and assignments.

Course Teaching Hours

42 hours. The course is delivered during the Fall semester in 14-weeks (3 hours/week).

Evaluation and Grading

Homework: 20%
Mid-Term: 30%
Final Exam: 40%
Participation: 10%

Readings and Resources

Required Textbook

Driver, R., Squires, A., Rushworth, P. & Wood-Robinson, V. (1998). Constructing science concepts. Athens: Dardanos.