

Program: HABITAT RESTORATION

Information form

C:

ENVS 103

D:

INTRODUCTION TO
GEOGRAPHIC INFORMATION
SYSTEMS

E:

3

SYSTEMS

(Enter date & section) By:

Calendar Description:

Summary of Revision

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<p>The course covers the basic concepts of GIS, including the history of GIS, the components of a GIS, and the applications of GIS. The course also covers the basic concepts of GIS, including the history of GIS, the components of a GIS, and the applications of GIS.</p>	<p>1. Added a new section on GIS applications.</p>
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Materials to be Purchased by Students (Use Bibliography Form)

or an equivalent textbook.

to be updated periodically.

O. Course Objectives

At the conclusion of the course the student will:

1. Explain the appropriate uses of different map projections
2. List and describe the components and functions of a GIS

Subject and Course Number

Displaying Data

- a) Coordinate systems
- b) Map projections
- c) Converting data acquired from other sources

4.

5. Data Management and Manipulation

- a) Raster and vector data
- b) Relating and joining tables
- c) Organizing data for analysis

6. Database Query and Analysis

- a) Querying the database
- b) Spatial analysis of the database
- c) Calculating statistics

7. Output of Results

- a) Cartographic elements
- b) Cartographic design
- c) Drawing and modifying a map
- d) Adding tables and charts
- e) Oral and graphic presentation skills

Q. Method of Instruction

ing.

follow

Lectures

- 1. Lectures
- 2. Labs
- 3. Seminar Presentations
- 4. Slides, Films
- 5. Small Group Discussions
- 6. Group Projects

1.

INFORMATION SYSTEMS

Subject and Course Prerequisites

R. Course Evaluation

The instructor will present a written course out-

of the follow

1. Labor

2. Multi-

line with specific evaluation criteria at the beginning of the

ing:

atory assignments with a combined value of up to 50%.

ests with a combined value of up to 30%.

term project or paper with a value of up to 25%.