UNIVERSIDAD LIBRE®
Personería Jurídica No. 192 de 1946 de Mingobierno
Nit.: 860.013.798-5

centenario
EDUCANDO EN LIBERTAD PARA LA JUSTICIA Y LA PAZ

FREE UNIVERSITY PEREIRA SECTION

UNDERGRADUATE PROGRAM IN ENVIRONMENTAL ENGINEERING

SUBJECT: **SYSTEMS II**

CODE   --------------

SEMESTER: **SECOND**

HOURS   **WEEKLY: 4**

          THEORETICAL: 2

           PRACTICES: 2

PREREQUISITES: **SYSTEMS I**

CO-REQUISITES:

GOALS:

Teach the student the computational elements that allow him to use

database management packages, spreadsheets and graphing software in such a way

that you can use to achieve your university and professional goals.

CAMINANDO EN LA EXCELENCIA

REACREDITACIÓN INSTITUCIONAL
MULTICAMPUS 2021-2027
ALTA CALIDAD
Resolución MEN n.º 015865 (25-08-2021)

Vigilada Mineducación

www.unilibre.edu.co/pereira
Pereira, campus Universitario Belmonte - Av. Las Américas carrera 28 No. 96-102. Sede Centro, calle 40 No. 7-30. Sede Comité de Cafeteros Cra. 9a. 36-43.
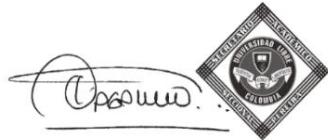PBX: (6)3401081 - 3401043

METHODOLOGY:

The master's degree will be taught in a theoretical and practical manner in the computer rooms of the

University, following previously established work guidelines.

EDUCATION:

Four practical works developed in coordination with research works of the

student, each with a unit value of 25% of the final grade.

CONTENT:

UNIT ONE: DATABASES (DBASE III)

ÿ Definitions of databases, files, records, fields and types.

- Introduction to dbase III plus petitional

ÿ Creating and modifying files

- Basic handling commands

ÿ Handling functions and arguments

ÿ Creation and management of labels

- Dbase III Procedural?

- Specific applications to Environmental Engineering

www.unilibre.edu.co/pereira

Pereira, campus Universitario Belmonte - Av. Las Américas carrera 28 No. 96-102. Sede Centro, calle 40 No. 7-30. Sede Comité de Cafeteros Cra. 9a. 36-43.

PBX: (6)3401081 - 3401043

Vigilada Mineducación

UNIT TWO: SPREADSHEETS

ÿ Entrance to the Lotus entrance

ÿ Cell Types

- Formulas, references

ÿ Selection ranges

ÿ File operations

ÿ Database functions

ÿ Creating graphics

UNIT THREE: GRAPHICS PACKAGES

ÿ Graphics adapters

- Autocad

ÿ Editing aids

- Scales, visualization, and dimensioned texts

ÿ File operations

LITERATURE

www.unilibre.edu.co/pereira

Pereira, campus Universitario Belmonte - Av. Las Américas carrera 28 No. 96-102. Sede Centro, calle 40 No. 7-30. Sede Comité de Cafeteros Cra. 9a. 36-43.

PBX: (6)3401081 - 3401043

Vigilada Mineducación

MAYOR OF MORERA PEREZ-CAMPANERO. Introduction to Operating Systems

(MS/DOS, UNIX, OS/2, MVSM OS/400) ISBN:84-7615767-3. MacGraw Hill Publishing 1992.

MAYOR E. Basic IT. Second Edition. ISBN 84-481-1851-0. Editorial

MacGraw Hill 1994.

www.unilibre.edu.co/pereira

Pereira, campus Universitario Belmonte - Av. Las Américas carrera 28 No. 96-102. Sede Centro, calle 40 No. 7-30. Sede Comité de Cafeteros Cra. 9a. 36-43.

PBX: (6)3401081 - 3401043