UNIVERSIDAD LIBRE
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centenario
EDUCANDO EN LIBERTAD PARA LA JUSTICIA Y LA PAZ

FREE UNIVERSITY PEREIRA SECTION

UNDERGRADUATE PROGRAM IN ENVIRONMENTAL ENGINEERING

SUBJECT: SYSTEMS I

CODE: ----------

SEMESTER: FIRST

HOURS **WEEKLY:** 4

THEORETICAL: 2

PRACTICES: 2

GOALS:

Train the student in the use and management of the computer as a tool

essential for the development of university and professional work.

Provide the technical bases to advance in the design of programs specific to the

Environmental Engineering

CAMINANDO EN LA EXCELENCIA

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

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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.
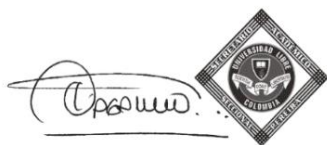PBX: (6)3401081 - 3401043

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METHODOLOGY:

Technical-practical classes in the University's computer labs and preparation

of previously designed works and guides.

ASSESSMENT:

Four practical projects will be graded, which bring together knowledge and practical tools.

applicable, with a unit value of 25% each.

CONTENT:

UNIT I: FUNDAMENTALS.

ÿ Computer, concept and generations

ÿ Main applications

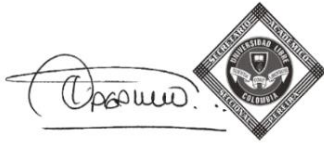- Computer classes

- Digital structure

- Central processing unit

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- Multi-user computer networks

- Internet

UNIT TWO: OPERATING SYSTEM TWO

- Definition

ÿ Preparation, use and handling of floppy disks

ÿ Directory and file structure

- Basic file management

UNIT THREE: WORD PROCESSOR: WP

ÿ Definition and editing of processors

ÿ Editing, printing, and file commands

UNIT FOUR: Q BASIC LANGUAGE

ÿ Generalities, definitions, analysis, algorithms, diagramming, coding,

   free programming and structure.

ÿ Basic commands: REM - PRINT - LOAD - SAVE

ÿ Basic functions: and definition of each one.

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LITERATURE:

Microsoft Corporation, MS - DOS - Q BASIC Survival Guide.

Mejía A. Practical Guide to Computer Use. Ditel. Medellín, 1994.

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