UNIVERSIDAD DE BUENOS AIRES

FACULTAD DE CIENCIAS EXACTAS Y NATURALES

DEPARTAMENTO: Computación.......................................

ASIGNATURA: ▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓ ▓▓ ▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓.........

CARRERA/S:..Licenciatura en Cs. de la Computación..(82)..(87)....
....

CARACTER:...optativa......(indicar si es obligatoria u optativa)

PUNTAJE:...un punto.......(en caso de ser optativa)

DURACION DE LA MATERIA:...una.semana......

HORAS DE CLASE: a) TEORICAS.15... HS.   b) PROBLEMAS .... HS.
                c) LABORATORIO... HS.   d) SEMINARIOS........ HS.
                e) TOTALES..15... HS.

ASIGNATURAS CORRELATIVAS:...---....
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PROGRAMA:

    1 - The Evolution of Software Development Methods
            Step-wise Refinement & Functional Decomposition
            Data Flow Analysis and Structured Design
            Data Transformation Design
            Information Engineering and Procedure-formation
            "Modern" Structured Analysis
            Object Oriented Analysis and Design Approaches
    2 - Requirements for Software Automation
            Software Life Cycles Approaches
            Higher Level Languagens (4GL, application generators)
            Interactive Analysis (Prototyping tools)
            Data Modelling and Data Base Design
            Data Navigation & Procedure Formation

            Translation Between Notations
            Requirements Traceability
            Methods for Vertical & Horizontal Integration
            Data Dictionaries (Passive, Active, Integrated)
            Semiformal Specifications (diagrammatic notations)
            Formal Specifications
            Application Models and Application Knowledge
            Reusability and Object Orientation

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3 - Current CASE Tools
    Toolkits (upper, middle and lower CASE)
    a)Business Modelling : Strategic Information and
Systems   Requirements
    b)Analysis Tools : Data, Process and Interface
Modelling   Tools
    c)Prototyping Tools : Interface Design, Report
and   Application,   Generators, High Le

Languages
    d)Desing Tools : Transformation, Module
Definition,
    Reusability, Performance Evaluation
    e)Implementation Tools : Verification,
Programming,
    Testing
    f)Management Tools : Planning, Costing,
Follow-up,   Auditing, Metrics, Mail & Communication
    g)Integration Tools : Hiper Document,
Coopertative   Managers,   Local Networks, D
Dictionaries,   Transformation, Tools
    Integrated Environments
        IBM ADCYCLE
        European IPSES
        The PABI experiences (METHOS)
        Current Research
4 - Some Implementation Issues of Integrated Software
Development   Environments
    Active Data Dictionaries
    Distributed Software Base
    Standard Specifiable Interface
    Diagramatic & Textual Editors
    Transformation Tools
    Hyper Document Management
    Collection of Statistical & Managerial Data
    The AMADEUS Project al UFRGS

Bibliografia: No se Adjunta

FECHA:.......................

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