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Relational Database Management on UNIX

Nova University

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CENTER FOR COMPUTER-BASED LEARNING

RELATIONAL DATA BASE
MANAGEMENT ON UNIX*

DATA BASE

An online course in relational data bases using the VAX 11-780 and BSD 4.2 UNIX.*

Relational databases play an important role everywhere in our society. The need to store information reliably and to generate reports accurately is found at all management levels, in business and government agencies.

The online, UNIX based, course in relational databases has been designed to give you the experience you need to be confident in working with database management systems.

Taken from your home:

You can take this course in relational databases directly from your home. You will need a terminal or personal computer with appropriate communications software. You can start the course at any time and proceed at your own pace.

To improve your skills:

You have only to access the online course. A set of computer-assisted online lessons will help get you through the course in a planned and user-friendly fashion. You will also have access to computer conferences and online discussions with experienced professionals in the field of database management who are trained to work closely with students online.

Emphasizing practical experience:

You will get "hands-on" experience by creating your own database. Each lesson will guide you, advising you how to create new relations, helping you to use the correct queries to retrieve the data you need, and generating all kinds of reports that you will see on your screen.

Features of the course:

- You start when you want.
- You dial a local Tymnet number to connect to NOVA's computer, a VAX 11-780, using the UNIX operating system.
- You access an online tutorial on INGRES. INGRES is a relational database for UNIX. It has extensive capabilities for collecting, accessing and retrieving data, using a query language called QUEL. The lessons on INGRES combine an extensive set of tutorials with instructions that tell you simply and clearly how to use INGRES itself.

*UNIX is a Trademark of Bell Laboratories

Topics:

The tutorial covers the following topics:

- Accessing the INGRES demo database
- Using queries to manipulate data fields
- Using the editor to save query commands
- Designing and creating your own database
- Moving data between INGRES relations and UNIX files
- Creating indexes, using heap, hash or isam techniques

Textbook: "Computer Database Organization" by James Martin.

Instructor:

The course is taught online by national consultant Jacques Levin, Ph.D., NOVA University, Center for Computer-Based Learning.

Format:

- Computer-assisted instruction online
- Computer conferences and online discussions
- Electronic mail

Objectives:

Participants who complete the course will have the following capabilities:

- Competency in creating a relational database.
- Competency in using a query language.
- Competency in generating reports.
- Competency in database organization.



"taken from emphasis"

Registration and Credit:

Non-Credit: The \$395 fee covers instructional consultation and computer-assisted instruction. Students can purchase online time as needed in 10 hour packets at \$10.00 per hour. This hourly charge includes access through Tymnet when dialed through your local Tymnet number. Any toll charges that are needed for a student to gain access to Tymnet must be paid by the student to his or her local telephone company.

Access to Nova's mainframe computer through Tymnet is from 6 PM to 7 AM Mon.-Thur. and from 6 PM Fri.-7 AM Monday. This is local time for the point of origin of the call.

The course may be taken for credit. Information on "for credit" registration is available by writing or calling:

Nova University

Center for Computer-Based Learning

Rm 308 Parker Building
3301 College Avenue
Fort Lauderdale, FL 33314
305-475-7047



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REGISTRATION FORM

YES, please register me for the Database Management Systems course.

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ZIP _____ PHONE _____

SS# _____

The Center for Computer-Based Learning offers courses in:

- Computer Simulation (GPSS)
- Database Management Systems
- Statistics
- UNIX courses

Degree Programs offered through the Center are:

- Doctor of Education in Computer Education
- Doctor of Arts in Information Science
- Doctor of Arts in Training and Learning Technology
- Educational Specialist in Computer-Based Learning
- Master of Science in Computer-Based Learning

Please send me more information about the programs I have checked.



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Nova University is chartered by the State of Florida and is accredited by The Commission on Colleges, Southern Association of Colleges and Schools.

Nova University is located in Fort Lauderdale, Florida. It is a nonprofit institution that is not tax-supported. Nova is a university for all ages; it offers courses of study leading to bachelor's, master's, and doctoral degrees as well as preschool through high school programs at its University School. Unusual among educational institutions, Nova University offers programs not only on its main campus in Fort Lauderdale, but throughout the State of Florida, across the United States, and in several foreign countries. In addition to its educational programs, the University provides community services and conducts research in a variety of fields.

Nova University is chartered by the State of Florida and accredited by The Commission on Colleges, Southern Association of Colleges and Schools. Nova University admits students of any race, color and national or ethnic origin.



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