

Sistema de Administración de Calidad

Clave	Nombre	Revisión	Hoja
R-03-SAP	Programa Sintético	00-06/17	1de1

Área Curricular	Elective		
Campo Disciplinar	Information and communication technology		
Unidad de Aprendizaje	Databases	Semestre	4
Periodo Académico	Ene – Jun 2020		
Coordinador de Cuerpo colegiado:	Dr. Erick Sánchez Flores		

PROPÓSITO

Develop the necessary skills for the proper and efficient use of information and communication technology to inform and communicate with an ethical attitude.


The student applies basic and special working tools of Microsoft Access 2007, for the design and creation of databases, so they can manipulate large amounts of data and generate reports, queries and forms.

COMPETENCIAS GENERALES:

- Build your own learning to integrate her sociocultural environment
- Identify and assess their own skills and abilities to self-knowledge.
- Defend their opinions and beliefs to formulate appropriate arguments in a framework of respect.
- Develop communicative competence skills to establish harmonious relations.
- Applies effective information technologies to solve problems in different areas in which it operates.
- Interprets and produces different types of speech to express and argue trials.
- Increase their knowledge of the languages that favor the development of their academic performance.

COMPETENCIAS DISCIPLINARES:

- Use appropriate oral and written language to interact in the various fields in which it operates
- Efficiently uses technology to acquire, process and interpret information.
- Order information to solve problems and analyze data
- Apply information technology in the development and creation of texts tending the correct use of language.
- Expresses ideas and concepts through innovative technological resources.
- Use language imaginatively, to build free, personal experiences and create own fiction.

	<i>Clave</i>	<i>Nombre</i>	<i>Revisión</i>	<i>Hoja</i>
	R-03-SAP	Programa Sintético	00-06/17	1de1

CONTENIDO

UNIT 1 - ACCESS WORKING ENVIRONMENT 2007

1.1 ACCESS GRAPHIC ENVIRONMENT 2007

LOG 1.1.1

1.1.2 ACCESS SCREENS

1.2 STRUCTURE OF A DATABASE

1.2.1BASICS

1.2.2 TYPES OF VIEW

1.2.3 TYPES OF OBJECTS

1.2.2 DATA TYPES

1.2.2 TEMPLATES

1.3 Learning Activities

UNIT 2 - MANAGING A DATABASE

2.1 CREATING A DATABASE

2.1.1 A NEW DATABASE

2.1.2 SAVE A DATABASE

2.1.3 OPENING A DATABASE

2.1.4 A DATABASE CLOSE

2.1.5 NEW TABLE IN AN EXISTING DATABASE

2.1.6 DATABASE FROM A TABLE TEMPLATE

2.2 WORKING IN A DATABASE

2.2.1 SELECTION OF DATA IN A TABLE

2.2.2 PRESENTATION TO A DATABASE

2.2.3 USE IN A TABLE

2.2.4 EDITING RECORDS

2.3 Learning Activities

UNIT 3 - BASIC TOOLS

3.1 BASICS

3.1.1PRINT TABLE

3.1.2 IMPORTING AND EXPORTING A DATABASE

3.1.3 SORT RECORDS


3.1.4 FILTERS

3.3.1DYNAMIC TABLE AND GRAPH

3.1.5 Key Principle

3.2 Learning Activities

Sistema de Administración de Calidad

	Clave	Nombre	Revisión	Hoja
	R-03-SAP	Programa Sintético	00-06/17	1de1

UNIT 4 - SPECIAL TOOLS

4.1 SPECIAL OPERATIONS

4.1.1 REPORTS

4.1.2 QUERIES

4.1.3 FORMS

4.2 Learning Activities

EVALUACIÓN

EVIDENCES	PERCENTAGE
Portafolio 1	10%
Portafolio 2	5%
Portafolio 3	5%
Portafolio 4	5%
Partial Exam	10%
Mid Term	15%
Internal Global Exam	10%
External Global Exam	25%
Databases Integrative Project	5%
Programming Integrative Project	5%
Programming Apps Integrative Project	5%
TOTAL	100

BIBLIOGRAFÍA:

Databases

Universidad Autónoma de Nuevo León

Raul Gallegos Cerda, Ivan Zaleta

Recomendada:

Database Systems: The Complete Book

Héctor García Molina, Jeffrey Ullman y Jennifer Widom

Links Databases

Stage 1: <https://www.youtube.com/watch?v=4Z9KEBexzcM>
<https://www.youtube.com/watch?v=kyGVhx5LwXw>

Stage 2: <https://www.youtube.com/watch?v=ReLLvfilOnQ>
<https://www.youtube.com/watch?v=1r47z7YRYwMc>

Stage 3: <https://www.youtube.com/watch?v=30OcisYzjCc>

Stage 4: <https://www.youtube.com/watch?v=UpnGmxujfOo>