

Business and Hospitality Division

Course Syllabus

# Course Information

* **Course**: DBA 210 – Database Administration (Section O1)
* **Course Hours**: class – 2, lab – 3, credit - 3
* **Term**: 2017FA
* **Meeting Times**: Online
* **Prerequisites**: DBA120
* **Co-requisites**: none
* **Course Description *per catalog***:

This course covers database administration issues and distributed database concepts. Topics include database administrator (DBA) goals and functions, backup and recovery, standards and procedures, training, and database security and performance evaluations. Upon completion, students should be able to produce functional DBA documentation and administer a database.

* **Text(s)**: Databases Illuminated – 3nd Edition (Ricardo and Urban) with Navigate 2 Access Code, Jones & Bartlett Learning

ISBN: 978-1-284-05694-5

* **Supplies/Materials**: USB device or cloud storage
* **Bibliography**: NA

# Instructor Information

* **Instructor Name**: Brenda McFarland
* **Office Telephone Number:** 398-7669
* **Email Address:** brendahmcfarland@abtech.edu
* **Office Location:** Balsam 103
* **Office Hours:** Mon 11 AM–12 noon & 5-6 PM, Wed 11 AM–12 Noon, Thu 9-11 AM

# Learning Outcomes/Objectives

**Course Level:**

* Use the MySQL client program and other utility programs to operate in a Linux environment.
* Use data definition language (DDL) statements to create, edit, and delete database objects.
* Use data control language (DCL) statements to assign and revoke user privileges.
* Use data manipulation language (DML) statements retrieve, update, delete, and insert data.

**Program Level:**

* Communicate information to clients in a clear and appropriate manner
* Complete a project from conception to implementation.
* Utilize hardware and software in accordance with current industry standards

# Evaluation Criteria

| Assessments: | Percentage: |
| --- | --- |
| Assignments | 50 |
| Mid Term Exam | 25 |
| Final Exam | 25 |
| TOTAL | 100 |

# Grading System

**A** = 90-100  
**B** = 80-89  
**C** = 70-79  
**D** = 60-69  
**F** = Below 60

Your grades will be available in Moodle. Please always read the feedback. If there are issues with your submission and I am expecting you to re-submit, it will be noted in the feedback.

Unless indicated as group work, all work submitted by YOU is expected to be YOUR work. If you submit work which is not exclusively yours, a grade of zero will be awarded to all participants. **No exceptions**.

# Participation Requirements

It is mandatory that the student attend each course at least once during the first 10% of the course, or in the case of online courses, a graded activity must be submitted during the first 10% of the course. Each online course syllabus must identify the activity to be completed prior to the 10% point of the course and the date by which the activity must be completed. For hybrid courses, the student must attend the classroom portion of the course or complete an online graded activity prior to the 10% point. Failure to attend or complete the activity prior to the 10% point will result in the student being dropped from the course. The student will not be allowed to continue in the course or receive a refund.

# College Policies and Procedures

College policies and procedures may be found in the College Catalog on A-B Tech’s website at the following link: <https://www.abtech.edu/content/publications/catalog>.

The Student Rights, Responsibilities, and Due Process policies and procedures, including the Code of Classroom Conduct and Code of Student Conduct, may be found at the following link: <https://www.abtech.edu/a-b-tech-catalog/student-rights-responsibilities-and-due-process>.

# Course Schedule

| Week of | Module or Topic |
| --- | --- |
| Aug 14 | Course Orientation  Set up Navigate 2 account and explore  CH 1 Introductory Database Concepts |
| Aug 21 | CH 2 Database Planning and Database Architecture |
| Aug 28 | CH 3 The Entity-Relationship Model |
| Sep 4 | CH 4 The Relational Model |
| Sep 11 | CH 5 Relational Database Management Systems and SQL |
| Sep 18 | CH 6 Normalization and Denormalization |
| Sep 25 | CH7 Object-Based Models |
| Oct 2 | CH 8 Introduction to Database Security |
| Oct 9 | Mid Term Exam |
| Oct 16 | CH 9 Transaction Management |
| Oct 23 | CH 10 Distributed Databases |
| Oct 30 | CH 11 Data Warehouses and Data Mining |
| Nov 6 | CH 12 Big Data and NoSQL |
| Nov 13 | CH 13 Relational Query Optimization |
| Nov 20 | Databases and the Internet |
| Nov 27 | CH 15 Social and Ethical Issues |
| Dec 3 | Final Exam |

Class has 80 contact hours. Please plan accordingly when setting time to work on this course.

September 4th is a holiday, college is closed.

***\**** *Changes may be made in the course as deemed appropriate by the instructor. Such changes will be announced ahead of time and it is the student's responsibility to stay informed of such changes.*

# Course Requirements and Expectations

**Assignments:** Under normal circumstances, late work will not be accepted. Late work will be accepted only **with** the instructor’s approval. Communication for this adjustment must occur **before** the deadline and not at the last minute. The opportunity to submit files is an automated process in Moodle and will NOT be accepted via email. Barring an emergency, there are few exceptions to this policy. Taking late assignments puts me behind on grading and thus negatively affects everyone.

**Assistance**: For information and tutorials on how to navigate a Moodle course: [**STUDENT HELP**](http://moodle.abtech.edu/course/view.php?id=6700)

**Attendance**: Have a good attitude, establish a dedicated time to study, and stick to a schedule. This course builds upon itself, so if you wait to the last minute to do your work or fail to prepare for class, it will create a stressful and frustrating environment. You can avoid this by giving this class your undivided attention on a regular basis and using your time wisely.

**Cheating**: It is expected that you will not cheat on any portion of this course unless your goal is a zero.

**Communication:** The best method to communicate with your instructor (when not in class) is via email using your A-B Tech email account. Please identify the class (i.e., DBA-210-O1) at the beginning of the subject line.

I try to respond within **48** hours when possible (not on weekends).

My goal is to grade work on a weekly basis. Check with me if you are worried that I have not graded your work. I look forward to this semester and hope you enjoy the class! Make it a point to communicate with me during this course.

**Make-Up Policies:** Submitting work late can happen with instructor approval – communication for this adjustment must occur **BEFORE** the deadline and **not** at the last minute. The opportunity to submit files or participate in Moodle activities will be an automated process. When the deadline arrives, the opportunity to participate may no longer be available. Barring an emergency, there are few exceptions to this policy. Taking late assignments puts me behind on grading and thus negatively affects everyone.

In-class assignments are not available for make-up. It is all about location … you have to be there!

**Meeting with me:** If you need to meet with me, feel free to make an appointment.

**Tests:** The opportunity to make up an exam is available if you inform you instructor prior to your absence or within 24 hours of the exam. Email is available 24 hours a day, 7 days a week. The exam must be taken prior to returning to class whenever possible.