**ASHEVILLE-BUNCOMBE TECHNICAL COMMUNITY COLLEGE**

**DIVISION OF BUSINESS AND HOSPITALITY**

There are many active links in this syllabus; if you pass the cursor over various words in this syllabus, you will see a hyperlink where you can find additional information.

# COURSE NAME

**Section**: DBA 120 YD1 – Database Programming I  
**Term**: 2017SU

**Meeting Days and Times**: Tuesday and Thursdays, 9 – 11:50 am  
**Dates**: May 30 – July 25, 2017

# INSTRUCTOR

**Name**: Brenda McFarland

**Email**: brendahmcfarland@abtech.edu

**Office**: Balsam 103

**Office Hours**: Tuesday and Thursday 1-3 pm

**Office and Contact Phone**: Balsam 103 | (828) 398-7669

# COURSE DESCRIPTION

**Class Hours** 2 **Lab Hours** 2 **Credit Hours** 3

**Prerequisites:** CIS 110, CIS 115 or CTI 110

**Corequisites:** None

This course is designed to develop SQL programming proficiency. Emphasis is placed on data definition, data manipulation, and data control statements as well as on report generation. Upon completion, students should be able to write programs which create, update and produce reports.

# REQUIRED TEXT and MATERIALS

**Textbook**: Murach’s MySQL – 2nd Ed. (Joel Murach), Mike Murach & Associates  
 ISBN: 978-1-890774-82-0 (you may use 1st Edition if that is what you have already)

**Storage:** USB device

**Internet**: available on all A-B Tech computers

**Software**: open source

# IMPORTANT DATES

First Day of Class: Tuesday, May 30  
Last date to withdraw (W): July 13  
Holidays/breaks: Tuesday, July 4  
Last Day of Class: Tuesday, July 25

[Activity Day(s](http://www1.abtech.edu/Student%20Handbook/activity-day-class-schedule)): NA

# STUDENT LEARNING OUTCOMES

**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

*This course, and assignments therein, may be used to assess General Education Core Competencies or Program Student Learning Outcomes*

# MOODLE

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

# DEPARTMENTal or COurse POLICY(S)/Requirement(s)

**Communication:** The best method to communicate with your instructor (when not in class or in person or phone) is via email using your A-B Tech email account. Please identify the class (i.e., DBA-120-YD1) 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.

**Attendance**: We will address as many assignments as possible *during* class. This provides an activity, class discussion, and feedback to happen at the same time. If you are absent from class on these days, a grade of zero will be recorded.

If an absence does happen, check Moodle, the syllabus, and another classmate for what you may have missed.

**Plan to be successful**: 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.

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

**Cell Phones, pagers, etc:**  If you must have them on, the ringer should be set to quiet mode and it should be work-related or an emergency situation. **DO** **NOT** take a call or text while in class, simply excuse yourself and exit to the hallway!

# GRADING

A-B Tech uses the following grading system:

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

|  |  |
| --- | --- |
| Assessments: | Percentage |
| Assignments | 30 |
| Participation (discussion or in-class) | 10 |
| Project | 15 |
| Exams | 45 |
| Total: | 100% |

Table 1: Assessment Breakdown

Your grades will be available in Moodle. Please always read the feedback. If there are issue 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**.

The majority of your time should be spent making sure you understand the material, not racing to complete the assignments. If you fail to comprehend the material, expect to experience unnecessary stress and frustration.

# Academic SUpport Services

**Need Assistance?**

**Whether you have a desire to be a stronger writer, you have problems with getting your thoughts on the page, or you just want expert editing suggestions, p**lease take advantage of our College Writing Center ([College Writing Center web page](http://www1.abtech.edu/WritingCenter)), or make use of our Online Writing Center ([Online Writing Center web page](http://www1.abtech.edu/content/writing-center/writing-center-online)).

The Academic Learning Center provides free tutoring services to A-B Tech students.  Tutoring is available on a drop-in basis Monday through Thursday from 9:00am to 6:00pm, and on Fridays from 9:00am to 1:00pm for most courses in English, mathematics, and the sciences.   The ALC is a supportive, friendly environment where we encourage students to learn independently.  Tutors cannot provide answers for assignments/tests or proofread papers.  **Students must be referred by an instructor** and submita signed referral form (“green sheet”).  Talk to your instructor or stop by the ALC in Ferguson 114, 116 and 118.  For more information, go to abtech.edu and click on “[Academic Learning Center](http://www1.abtech.edu/content/academic-learning-center/academic-learning-center-overview)” at the bottom of the page.

# MAKE-UP POLICIES

**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.

**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 or participate in Moodle activities will be an automated process and will not be accepted via email. 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 cannot be made up .… you have to be here!

# COLLEGE POLICIES AND PROCEDURES

Please review the following hyperlinks to ensure you understand the following College policies and procedures:

[Attendance](http://www.abtech.edu/a-b-tech-catalog/academic-procedures/class-attendance)

[Classroom Conduct](http://www.abtech.edu/student-handbook/code-classroom-conduct)

[Student Email](http://www.abtech.edu/content/students/Email-for-Students)

[Internet and Campus Network Acceptable Use](http://www.abtech.edu/a-b-tech-catalog/organization/internet-and-campus-network-acceptable-use-policy)

[Grading System](http://www.abtech.edu/a-b-tech-catalog/academic-procedures/grading-system)

[Inclement Weather](http://www.abtech.edu/student-handbook/inclement-weather-schedule)

[Student Due Process (Appeal Policy](http://www.abtech.edu/student-handbook/student-due-process))

[Disability Services](http://www.abtech.edu/content/disability-support-services/disability-support-services-overview)

[A&S General Education Core Competencies and Program Competencies](http://www.abtech.edu/content/Arts-and-Sciences/Arts-and-Sciences-Curriculum/Overview) (this is a dead link!)

[Schedule Adjustments (dropping, adding, and withdrawing)](https://www.abtech.edu/a-b-tech-catalog/academic-procedures/schedule-adjustments)

[Registration Dates & Deadlines](https://www.abtech.edu/registration/registration-dates-deadlines)

**Non-Discrimination Statement**

The A-B Tech Board of Trustees and administration are fully committed to encouraging and sustaining a learning and work environment that is free from prohibited discrimination.  The College does not practice or condone discrimination based on race, color, national origin, religion, sex, sexual orientation, gender identity or expression, pregnancy, disability, genetic information/medical history, age, political affiliation or veterans’ status in the administration of any of its academic programs and employment practices.

Inquiries or complaints concerning possible discrimination based on any of the categories above should be referred to:

**Regarding Sexual Misconduct (sex or gender based discrimination, harassment, stalking, or violence) please contact:**

Title IX Coordinator, Office of the Vice President for Student Services

340 Victoria Road, Asheville, NC  28801, (828) 398-7932

**Regarding All Other Student Inquiries, contact:**

Office of the Vice President for Student Services

340 Victoria Road, Asheville, NC  28801, (828) 398-7143

For further information regarding the policies and procedures at A-B Tech, please see the academic procedures in the [A-B Tech catalog](https://www.abtech.edu/a-b-tech-catalog/academic-procedures/schedule-adjustments). Please see the following URL for the most up-to-date College catalog: [**http://www.abtech.edu/a-b-tech-catalog**](http://www.abtech.edu/a-b-tech-catalog).

# COURSE SCHEDULE\*

| **Dates** | **Module or Topic** | **Assignments** |
| --- | --- | --- |
| May 30 | Course Orientation  Linux Environment/MySQL environment  MySQL Prequiz  **CH 1** An Introduction to Relational DBs and SQL | Activity 1\_Server |
| June 1 | **Ch 10** Designing a database | Activity 2\_CH10\_DBDesign |
| June 6 | **Ch 11** Create databases, tables, and indexes | Activity 3\_DataLoad |
| June 8 | **CH 8** Data Types Introduce Project | Activity 4\_CH8\_DataTypes |
| June 13 | **CH 5** Insert, update, and delete tables  (CH7 in 1st Edition Book) | Activity 5\_CH5\_CreateInsertDelete |
| June 15 | **EXAM 1** | Objective Exam  Hands On Exam |
| June 20 | **CH 3** Single Table Selects | Activity 6\_CH3\_Select\_Regexp |
| June 22 | **CH 4** Multiple Table Selects  Project Check-In: Design/Populate | Activity 7\_CH4\_Select&More\_Joins |
| June 27 | **CH 6** Summary Queries (aggregates)  (CH 5 in 1st Edition Book) | Activity 8\_CH6\_Aggregates |
| June 29 | **EXAM 2** |  |
| July 4 | NO CLASS |  |
| July 6 | **CH 7** Subqueries  (CH6 in 1st Edition Book) | Activity 9\_CH7\_SubQueries&Aggregates |
| July 11 | **CH 9** Functions  Project Check-In: Business Questions | Activity 10\_CH9\_Functions |
| July 13 | **CH 12**  Views | Activity 11\_PQ  Activity 12\_CH12\_Views\_Grant\_Revoke |
| July 18 | Project |  |
| July 20 | **EXAM 3** |  |
| July 25 | **CH 15** Stored Procedures  **CH 16** Triggers | Activity 13\_CH15/16 |

Class has 64 contact hours. We will be together for 48 of them. The remaining 16 are outside of class and considered the hybrid component.

July 4 is a holiday .. no class.

***\**** *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.*