Department of

Information Systems & Technology

***Syllabus: INFO 2410 Sec 1:***

***Database Fundamentals***

**Spring 2019**

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| 10:00 pm - 11:15 am, Tuesday and Thursday |

**Instructor**:Dr. Nicholas Ball

**Office**: CS 601-b

**Office** **Phone**: 801-863-7572

**Email**: **nicholas.ball@uvu.edu**

**Office** **Hours**: TTh 11:15-1:00, W 1:00-2:30, other times by appointment.

**Email** is typically the fastest way to reach the instructor. Only use [**nicholas.ball@uvu.edu**](mailto:nicholas.ball@uvu.edu). I will usually respond within 24 hours on weekdays.

**Note the email subject line.**

**Please read this document carefully:** There is course-critical information in the next few pages, and without it you will quickly get lost in the class. Falling behind is not something you want to do. You are also expected (at a minimum!) to **(1) be responsible, (2) read what you need to, and (3) follow instructions, without constant reminders**.

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**Required Technology:**

* **MS Office** **Professional**
* **Reliable** Internet access
* **LucidChart**

Students are expected to logon and check email and the course website at least once a day.

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**Required Textbooks:**

**Database Management and Design, by Allen, Hansen, and Jackson, 2016**

**Course Web Site:** learn-uvu.uen.org

# Contacting Your Instructor

The **best way** to communicate with me is through email or in class. Please use the appropriate subject line in your email. For this class, the subject you must use is **INFO 2410** along with any additional pertinent information (such as “INFO 2410 question about syllabus”). **Emails sent without the correct subject may be ignored or delayed since they will sort to the general mail inbox and not those set up for the class.**

# Expectations

As you are all Information-Age students, we expect each of you to be computer literate coming into the class. This means weexpect you to be comfortable with MS Word, email, attachments, and uploading / downloading information and saving / retrieving files. We expect you to be able to find your way around the course management system – **Canvas**.

# General Course Information:

This course requires a great deal of work.Students who do not complete assignments, or do not **actively participate** in class, in their teams, and in course activities **cannot** receive an A in the course.

While assignments are distributed throughout the semester, there is naturally a heavier load as the semester progresses. Do not leave assignments until the last day! Access to the Internet (Canvas) becomes difficult as more and more students attempt to access the same resources, response time drops.

**Course Description:**

Introduces concepts and use of database management systems. Presents the relational model, Structured Query Language (SQL), database design including normalization and application development of a personal computer relational database management system. Prerequisites: INFO 1200 suggested.

# Course Objectives:

At the completion of the course, the student should have obtained the following knowledge and skills:

1. Be able to explain the functions and uses of a database in an enterprise information system.
2. Understand the database design and implementation process and how it fits into the System Development Life Cycle (SDLC).
3. Be able to develop a data model for an organization using standard data modeling techniques.
4. Be able to convert a data model into a functioning database using an industry standard relational Database Management System (DBMS).
5. Be able to apply the rules for creating well-formed tables in a database.
6. Be able to query a relational database using the Structured Query Language (SQL).

# Academic Honesty:

Academic dishonesty will not be tolerated. The penalty for a first offense is a failing grade for the assignment, test, or quiz. The student will not be allowed to resubmit that assignment, test, or quiz for a grade. A second offense will result in a failing grade for the course. All violations of academic integrity will be reported to (a) the Information Systems & Technology Department Chair and (b) the Student Conduct Director. Multiple occurrences of academic integrity violations on record for a student will involve further sanctions, such as probation, suspension, expulsion, and revocation of admissions or degree. Please read Section D Academic Responsibilities and Section M Sanctions described at <http://www.uvu.edu/catalog/current/policies-requirements/student-rights-and-responsibilities.html>.

“Cheating is the act of using, attempting to use, or providing others with unauthorized information, materials, or study aids in academic work. Cheating includes, but is not limited to, passing examination answers to, or taking examinations for someone else, or preparing or copying others’ academic work.”

Cheating includes copying assignments and assessments from another student, taking screenshots of quizzes and tests, sharing copies of unauthorized screenshots, etc., or using a substantial portion of another student’s work as your own work. In other words, if it appears to the professor that the work of two or more students is substantially the same, sanctions will be imposed on all parties. Even after the course is completed, sanctions may be imposed. That is, if evidence surfaces indicating academic integrity violations occurred, you may receive a failing grade on a deliverable, failing course grade, or revocation of a degree.

Accommodations/Accessibility: **Students who need accommodations because of a disability may contact the UVU Accessibility Services Department (ASD), located on the Orem Campus in LC 312. To schedule an appointment or to speak with a counselor, call the ASD office at 801-863-8747. Deaf/Hard of Hearing individuals, email**[**nicole.hemmingsen@uvu.edu**](mailto:nicole.hemmingsen@uvu.edu)**or text 385-208-2677.**

**ABET Accreditation**

The **Information Systems program** at UVU is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). In addition, the Information Systems and Technology (IS&T) Department has applied to accredit the Information Technology program. According to ABET, “accreditation is proof that a collegiate program has met certain standards necessary to produce graduates who are ready to enter their professions” (<http://www.abet.org/why-accreditation-matters/>).

The IS&T Department follows strict data collection, curriculum, and assessment standards to maintain ABET accreditation. To ensure both Information Systems and Information Technology programs strive to meet the standardized outcomes, the following outcomes will be *addressed* but notassessed in this course:

(b)  An ability to analyze a problem, and identify and define computing requirements appropriate to its solution. [IS, IT]

**COURSE/LAB ACCESS FEE**

Students taking BMED, CYBER, IM, INFO and IT classes paid course fees to help defray the costs of providing you with the best computer education. These fees help pay a portion of the allocated printouts, file servers, networking infrastructure, lab computers, overhead projectors, support hardware, presentation software, lab computer software, file server software, associated software, etc.

## **Course Evaluations**

UVU is dedicated to providing quality academic experiences for students. Help us identify areas where professors can improve their teaching by participating in the Student Ratings of Instructor (SRI). Your confidentiality is assured. Your feedback is critical to help us improve the teaching and learning at UVU. The online SRIs will be available toward the end of the semester.

## **Course Withdrawal**

September 4, 2018 is the last day to drop a first block class, receive a refund, and for the class not to show up on your transcript. If you drop a class between September 5th and October 1st, the class along with a W grade will show up on your transcript.   
  
If you want to drop a full-semester class after October 1st, you must complete a Withdrawal Exception Form. However, documented extenuating circumstances must exist in order for the department chair to consider such request. Extenuating circumstances include incapacitating illness that prevents a student from attending classes, a death in the immediate family, change in work schedule as required by the employer, or other emergencies. Withdrawals are not approved due to academic difficulty. The department chair rejects about 50% of the withdrawal requests due to lack of acceptable documentation, attempting to avoid a failing grade, and/or submitting the form at the end of the semester.

## **Non Discrimination Policy**

UVU Policy 165 defines protected classes as

“race, color, religion, national origin, sex, sexual orientation, gender identity, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, genetic information, or other bases protected by applicable federal, state, or local law.”

Most full-time IS&T faculty and staff have received Safe Zone training that states

“regardless of gender identify, gender expression, or sexual orientation, you will be treated and respected as a human being.”

Bigotry and harassment will not be tolerated by the IS&T Department.

## **Student Veteran Support**

UVU is committed to providing a working and learning atmosphere for student veterans and their families. If you are a student veteran, or a student family member of a veteran you are eligible for support services from the Veterans Success Center and may be eligible for Post-9/11 GI Bill benefits. For help receiving your benefits, please contact the [Veterans Success Center](https://www.uvu.edu/veterans/) in the [Woodbury Business Building](http://www.uvu.edu/asd/maps/), room 100, via email at[veterans@uvu.edu](mailto:veterans@uvu.edu) or by calling 801.863.8212.

**(I)NCOMPLETE GRADES**

I very rarely give an (I) grade. If you have a very rare circumstance that warrants finishing course work after the semester’s end, I will likely give an (E) grade and change the grade later when you finish the work. Such arrangements must be made in advance, and will only be granted in extreme situations

# Deliverables:

Final grade: The final grade for this class will be based on the following elements. Each exam and assignment is given a score, usually based on a score of 100 being a perfect grade. The score for each segment is totaled and the following weight factors are applied when summing up the final score for the class:

1. Exams (3 exams) 45%

2. Assignments 25%

3. Group Project 15%

4. Quizzes 15%

Total 100%

Exams: All exams must be taken at the time indicated in this syllabus. The only exceptions to this policy that will be considered will involve extreme medical or family emergency (like being in the hospital).

Assignments: A due date for each assignment is listed on Canvas. Assignments received within one week late receive 40% penalty. Assignments are not accepted after the grace period. All assignments will be turned-in using MyEducator or Canvas. Please follow instructions carefully for submitting your work. Grading of work submitted by other means is not guaranteed.

Quizzes: Quizzes are due on the due date. No late quizzes will be allowed.

Cell phones and other electronic gadgets: Please turn-off (or place on silent operation) all cell phones, pagers and/or other electronic devices that emit disturbing noises.

**Attendance Policy:** Students are expected to attend class.

**Grades will be distributed as follows:**

**100% - 94% A 93% - 90% A- 89% - 87% B+**

**86% - 84% B 83% - 80% B- 79% - 77% C+**

**76% - 74% C 73% - 70% C- 69% - 67% D+**

**66% - 64% D 63% - 60% D- 59% or less E**