



SYLLABUS   
College of Computing and Software Engineering

Department of Information Technology

IT4153: Advanced Database

# Course Information

****

Class meeting time: W 6:30 – 7:45p

Modality and Location: Hybrid; Atrium Building Room 260

Syllabus is posted in D2L

# Instructor

****

**Name**: Jamie Jamison

**E-mail**: jjamiso9@kennesaw.edu

**Office Location**: Marietta Campus, Atrium Building J366

**Office Phone**: 470-578-3803

**Office Hours**: Face-to-Face: 9:00-10:00am | Virtually 10:00a-12:00p

# Course Communication

****

# Email is the best way to reach the instructor. Use D2L email if possible. Instructor’s KSU email (jjamiso9@kennesaw.edu) should only be used when you don’t have access to D2L site. [You may choose either to use D2L email or KSU email for communication]

# Students’ emails will be replied WITHIN 24 hours during the weekday. Weekend and holidays response time will vary.

# When emailing the please put the course number in the subject line. Emails without proper subject line will not be replied.

# Avoid using personal email. Sensitive information (such as your grades) can ONLY be sent to D2L email or KSU email account. I WILL NOT RESPOND TO EMAILS FROM PERSONAL ACCOUNTS.

* **Email about YOU!** Please do not email on behalf of your classmates.  Everyone is in charge of their own success and expected to speak about their grade individually, direct questions regarding assignments or any challenges to me and do NOT cc your classmates UNLESS it is a question related to group work.
* **In the case of an emergency**, you may use the phone number that is listed in the syllabus. This number should not be used UNLESS it is an emergency. Any phone calls after 8p will not be returned until the following day.

# Course Description

****

**Prerequisites/Corequisites**: CSE 3153

**Credit Hours:** 3.00

**Required Texts**: There is no textbook assigned. All readings are assigned in weekly modules. I require that you read the relevant papers and tutorials each week as a way to prepare you for assigned lab/quiz. Knowledge of the readings will reduce the time it takes you to finish lab assignments.

**Course Description:**

This course will study how databases are used with programming applications. Topics include advanced PL/SQL (or similar database programming language), database transaction, database security, database maintenance, and distributed and web databases.

**Technology Requirements:**

This class uses D2L as hosting site. Run a system check to ensure your computer work with D2L. Check out UITS D2L training: <http://uits.kennesaw.edu/support/d2ltraining.php>

I provide all instructions assuming that you have a Windows computer. We will use open source software, VM Player and Virtual Box. All this is available for Linux/Unix/MAC.

You must have:

* 2 GHz or faster processor
* Minimum 4GB RAM
* Free disk space minimum 40GB
* Administrative rights to your PC
* Owner's permission to install course software if you are not the owner of the system.
* Internet Connection. A high-speed Internet connection such as DSL or cable Internet access is highly recommended. You may also use computer labs on campus to complete the coursework.
* A web camera is required for a student to take final exam.

# Student Learning Outcomes

****

# 1. Describe current and emerging database models and technologies;

# 2. Develop functions and procedures for data manipulation and database access auditing;

# 3. Describe database monitoring and performance tuning;

# 4. Describe database security and administration issues, including backup and recovery;

# 5. Explain the concepts of data warehousing and data mining.

# 

# Course Requirements and Assignments

****

People learn through interactions, to facilitate interactive learning this course will use Discussions feature of D2L. Discussions will take place in an **asynchronous** manner.

There are 13 content modules in this course – one for each week. The last week will be dedicated to the group project implementation and deployment. All module assignments are due at 11:59 pm on Wednesday.

**Preparation of work for this course**

You have to run all code examples from the module before you attempt to complete assigned lab. All assignments must be submitted through D2L before the corresponding deadline.

Each module contains:

1. Assigned reading and additional reading for students who want to read further on the week's topic
2. Online content.
3. Assigned hands-on exercises.
4. Discussion topic OR quiz.
5. Apply your knowledge section.

***For each content module you should:***

1. Read the on-line content and the assigned sections from the text.
2. Post questions, corrections, or comments about the content in the discussion area designated for the module.
3. Do assigned hands-on activities from the book. Use the discussion area, or email to the instructor or classmates, to ask for help with any exercises that give you difficulty.
4. Take the Quiz and review your results. The Quiz is due at 11:59 PM on Wednesday, but I encourage you to take it earlier.
5. Read and respond to the assigned discussion topic. All discussions must be completed by 11:59pm on Wednesday. Do not wait until the last minute to start, see below for Grading criteria.

**Discussion grading criteria:**

|  |  |  |
| --- | --- | --- |
| **Preparation** | **20%** |  |
| **Information** | **20%** |  |
| **Analysis** | **40%** |  |
| **Interaction** | **20%** |  |

Penalty – 15% for starting later than 48 hours before the deadline. No discussion can be submitted after deadline.

Throughout the course, you should log in regularly to check for announcements and email. The course Schedule posted on D2L contains all important dates. Any changes of dates will be publicized by post in discussion area and/or email.

# Evaluation and Grading Policies

****

## **Weight Distribution**

|  |  |
| --- | --- |
| **Grading Item** | **Weight** |
| Participation | 10% |
| Assignments, Labs, Quizzes & Discussions | 40% |
| Midterm Exam | 20% |
| Final Exam | 30% |
| **Total** | **100%** |

## **Grading Scale:**

90% - 100% A

80% - 89% B

70% - 79% C

60% - 69% D

0% - 59% E

Grades will be rounded up if they are > or = .5 or above, for example, an 89.6 is an A, but 79.2 is a C.

# Course Policies

****

# Course Attendance Policy

Online Students must log into courses by 11:59pm of the day classes begin to confirm their attendance.

If you fail to complete course activities within a two-week period at any time during the semester, the instructor will consider your lack of activity as an indication of your intention not to continue in the course. Failure to participate without officially withdrawing from the course will result in a grade of F.

**Attendance and participation in D2L are expected**. If you have any problems with attendance (or something else), contact me BEFORE they become a problem. Non-engaged students will be DROPPED from the class.

# Grading Items Turnaround Time

* The grades for the quizzes and exams will be available 48 business hours after the due date
* The grades for labs/assignments/projects will be available 96 business hours after the due date

# Assignments & Exam Policy

* All assignments **MUST** be submitted through D2L (<https://kennesaw.view.usg.edu/> ) course website by the deadline specified in course calendar. Email submission will **NOT** be accepted. Any assignment that is less or equal than 24 hours late is subject to 10% penalty. Any assignment that is less or equal than 48 hours late is subject to 20% penalty. Any assignment that is more than 48 hours hours late will **NOT** be accepted.
* **THERE IS NO MAKEUP TO ANY ASSIGNMENT OR DISCUSSION ALLOWED WITHOUT WRITTEN PROOF OF** extenuating circumstance. Documentation can be submitted up to 7 days after due date.
* All quizzes and exams MUST be completed on D2L website by the deadline specified in course calendar. The quizzes and exams can’t be opened/submitted after the deadline. NO makeup for quizzes. Exams follow same policy as an assignment or discussion.

**Student Responsibility**

For this class, you are expected to spend seven to eight hours each week on coursework:

* Check KSU email regularly;
* Login D2L course website frequently to access the course material (at least every other day);
* Follow the weekly study guide in the learning module;
* Study the assigned material such as virtual lectures, textbook chapters and the PowerPoint slides;
* Complete assigned quiz/assignment/discussion/project on time.

**Tips for Effective Online Learning**

For an online class, students can really enjoy the benefits of learning at you own pace and at the place of your choice. Below are some tips for effective online learning.

* Check D2L course website frequently. It’s recommended that students should login D2L course site **AT LEAST** every other day. Always be aware of current status of the course. Take advantage of the posted learning material such as recorded lectures.
* Work with the instructor closely. If you have any question, contact the instructor immediately. You can email and your message is guaranteed to be replied within 24 hours.
* Start your work early. If you can start a task early, don’t start late. Assuming you spend the same amount of time completing the task, starting later will be much more stressful than starting early. Never start until the last minute! You’ll have no turnaround time if you need help or something happens.
* Keep up with the work. Don’t fall behind. If you do, contact the instructor immediately for what you need to do. The instructor may also contact you if he is concerned. Respond to the instructor’s inquiry promptly.

**Class Communication Rules**

In any classroom setting there are communication rules in place that encourage students to respect others and their opinions. In an online environment, the do's and don'ts of online communication are referred to as **Netiquette**. As a student in my course you should:

* Be sensitive and reflective to what others are saying.
* **Avoid typing in all capitals** because it is difficult to read and is considered the electronic version of 'shouting'.
* Don't flame - These are outbursts of extreme emotion or opinion.
* Think before you hit the post (enter/reply) button. You can't take it back! Don't use offensive language.
* Use clear subject lines.
* Don't use abbreviations or acronyms unless the entire class knows them. Be forgiving. Anyone can make a mistake.
* Keep the dialog collegial and professional, humor is difficult to convey in an online environment.
* Always **assume good intent** and **respond accordingly**. If you are unsure of or annoyed by a message, wait 24 hours before responding.

**Course Schedule**

The course schedule is tentative and is subject to change. Please use provided Course Schedule for accurate due dates.

See D2L for schedule

**Institutional Policies**

****

* [Federal, BOR, & KSU Course Syllabus Policies](https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php)
* [Academic Integrity Statement](http://scai.kennesaw.edu/codes.php)
  + Examples of violation of academic integrity: 1) copy from others or from Internet; 2) allow others to copy your work; 3) use other’s help or help other in completing the quizzes or exams.
  + The first violation of academic integrity, the student will immediately receive 0 for the associated grading item. For the 2nd violation, the student will receive a fail grade for this course.

**KSU Statements on COVID-19**

****

**Face Masks in The Classroom**

As mandated by the University System of Georgia, the university requires the use of face masks in the classroom and in KSU buildingsto protect you, your classmates, and instructors.  Per the University System of Georgia, anyone not using a face covering when required will be asked to wear one or must leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code.

Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. Please contact Student Disability Services at sds@kennesaw.edu for student accommodation requests.

**Shifting Modalities**

Please note that the university reserves the right to shift teaching modalities at any time during the semester, if health and safety guidelines require it to do so.  Some teaching modalities that may be used are F2F, Hyflex, Hybrid, or online, both synchronous and asynchronous instruction.

**Staying Home When Sick**

If you are ill, please stay home and contact your health professional.  In that case, please email the instructor to say you are missing class due to illness. Signs of illness include, but are not limited to, the following:

* Cough
* Fever of 100.4 or higher
* Runny nose or new sinus congestion
* Shortness of breath or difficulty breathing
* Chills
* Sore Throat
* New loss of taste and/or smell

**Seating Plans**

Students will sit in the same seat for every F2F class so that the instructor can use a seating plan for contact tracing if a student contracts Covid-19.

# Student Resources

****

This link contains information on help and resources available to students: [KSU Student Resources for Course Syllabus](https://curriculum.kennesaw.edu/resources/ksu_student_resources_for_course_syllabus.php)