BCIS 3680 SYLLABUS

Course Number	BCIS 3680 Section 002			
Course Title	Enterprise Programming			
Course Info	**Credit Hours**	**Days**	**Time**	**Location**
	3	Wednesday	2:00 - 4:50 PM	BLB 060
Instructor	Dipakkumar P Pravin, PhD			
Office Hours	Wed 12:30 – 1:30 PM or by Appt	**Office**	BLB 357B or zoom during office hours	
Phone	(940) 565-3757	**Email**	**Dipakkumar.Pravin@unt.edu** **Subject Line Prefix: 3680-F21 <your topic description>**	

Weekly Class Zoom:
https://unt.zoom.us/meeting/tZEud-mgqjosGNVvznY4z72sltoY2PmlHSf7/ics?icsToken=98tyKuGtrTsqEtCUthuGRpwMA4igc_zwiH5djY1rigXrOnRJNVHlOvZNC-BPHdT4
Meeting ID: 853 0084 1621 **Passcode** is not needed
Office Hours Zoom:
https://unt.zoom.us/j/5503635876?pwd=SXRPZ3JVZWFabk92NXptYW83UHY4dz09
Meeting ID: 550 363 5876 **Passcode**: 14221

Academic Calendar

Classes begin	August 25
Last day for change of schedule other than a drop. (Last day to add a class.)	August 27
Last day for change in pass/no pass status	October 1
Last day to withdraw from the semester	November 12
Last day to drop a course.	November 12
Final Examination Period	December 4-10

The detailed academic calendar is available at http://catalog.unt.edu/content.php?catoid=26&navoid=2783 The dates are provided here as a courtesy and the instructor is **NOT** responsible for errors and omissions.

TEXTBOOKS

Required: Gaddis, *Starting Out with Java*, 7e, Addison-Wesley, ISBN-13: 978-0-13-480221-3.
Required: Forta, *MySQL Crash Course*, Sams, ISBN-13: 978-0-672-32712-4

SOFTWARE REQUIREMENTS

This course requires the use of Java Development Kit (JDK), NetBeans, and MySQL.
NetBeans is the recommended integrated development environment (IDE), although you can write Java code with a number of different tools, e.g., Eclipse, jGRASP, Notepad++, etc.

The instructor only provides limited support for coding with jGRASP. All the software titles are pre-installed in the course virtual machine (VM) and are guaranteed to work. It is highly recommended that you use the course VM. You may install and use the applications on your own computer. However, if issues occur while using them on your computer, you should use the VM to continue with your course work.

OTHER COURSE MATERIALS

Supplemental readings: In addition to the required chapters (see schedule) in the textbooks, I may add supplemental readings for some class sessions. Please check the course website frequently and acquire the materials (downloading them either directly from the site or from the provided URL) and read them *before* you come to the class. Some contents from the readings will be covered in the exams.

PowerPoint slides: They are designed to help you understand the course content during and after my lectures; however, studying solely with the slides is not sufficient.

COURSE PREREQUISITES

Refer to the UNT *Undergraduate Catalog* or consult with the ITDS undergraduate program advisor for the latest information on the course perquisites.

COURSE DESCRIPTION

This course introduces you to advanced topics in Java programming, e.g., inheritance, abstract methods, text processing, database-driven applications, etc.

COURSE OBJECTIVES

At the end of this course, you should be able to...

- Write and properly compile Java applications and organize them in packages for reuse.
- Program Java applications by using object-oriented programming (OOP) techniques and following OOP principles of encapsulation, inheritance, and polymorphism.
- Write your own custom classes and create inheritance hierarchy based on requirements for the application.
- Perform text processing that is common in business applications, using String-related classes and methods.
- Connect to databases from within your Java program and perform database queries programmatically.

ASSESSMENTS

- **Exams**

    There will be three exams during the semester. All exams are **closed book, closed notes, and to be taken independently**. Exams 2 and 3 are not comprehensive. However, bear in mind that concepts covered by earlier exams are the foundation for later topics and thus questions in later exams may implicitly test your understanding of those foundational concepts.

    The exams will be administered in Respondus Lockdown Browser with webcam monitoring. Student must follow the Respondus proctoring protocol for exam taking, including the pre-exam environment check and directly facing the webcam during the entire exam. It's the student's responsibility to ensure that his/her computer hardware and software are capable of taking the exam. If the student fails to complete an exam within the time allocated to the exam due to hardware or software issues on the student's computer, the student may not receive a grade for the exam or may have to

take the exam within less amount of time than allocated; and there will not be a makeup. Verifiable emergencies brought to my attention *before* the exam are the only exceptions to this policy. No make-up exams will be given.

- **Java Coding Exercise (JCE)**

    Mental engagement and hands-on exercises are important to students' success in this course. We will have hands-on, Java coding exercises (JCEs) in class. Students will have the opportunity and time to practice writing Java code during class time. A JCE assignment is due shortly after the end of the class in which it was completed. Students shall make arrangements for time and computer availability so that they can carry out the JCE assignments during designated class time.

    Each JCE is worth 10 points. Five JCEs are mandatory, i.e., 50 points are included in the semester total points (STP). However, seven JCEs will be assigned. Students may choose which four out of the seven to turn in. Each additional JCE the student submits beyond four will automatically become extra credit. For example, if a student turns in six JCEs, his/her highest possible JCE points will be 60, with any points earned beyond 50 being extra credit, whose addition does not increase the STP.

- **Homework Assignments**

    Programming assignments will be assigned throughout the semester. They must be done **independently**.

- **Quizzes**

    Unannounced quizzes throughout the semester will be given. I will ***NOT*** make any arrangements for taking the quizzes early or taking a make-up. No exceptions.

- **Attendance**

    Due to the nature of the course, it's imperative that you stay mentally engaged in all the classes. Your class attendance grades will be based on your attendance statistics as recorded in Zoom meeting (if the class is conducted online for any reason) reports and/or in-class polls as attendance checks. If Zoom statistics are used, you must stay in a meeting for a total of at least 60 minutes. If in-class/in-person/over-zoom polls are run, you will not get attendance credit if you fail to respond to a poll before it is closed, even though you are present in the Zoom meeting and/or turn in the JCE done during that class. During the semester, Zoom or in-person attendance will be taken four times (five points each) with or without advanced announcement.

    Make sure you set your Zoom participant name to something that can be clearly identified with you. If you attend a Zoom meeting with a phone number or a generic name such as "iPhone", you won't earn any attendance points even though you may be present the whole time.

- **Points system** Each exams, quiz, and project carries maximum points that you may earn:

Assessment	Max. Points
Exam 1	60
Exam 2	60
Exam 3	60
In-Class Java Coding Exercises	50
Homework Assignments	120
Quizzes	30
Attendance (5 points each)	20
Semester Total Points (STP)	**400**

* Allocation of points subject to change.

- **Determination of Course Letter Grade**

  Letter grades will be assigned as follows where the cutoff is the lowest number of cumulative points that will be assigned that grade. The cutoff points are strictly adhered to. I don't round "borderline" points to "bump you up" to the next higher letter grade! No "extra work" can make up for your grades at the end of the semester. No "extra work" can make up for your grades at the end of the semester.

Grade	Cut-Off
A	360 (400*90%)
B	320 (400*80%)
C	280 (400*70%)
D	240 (400*60%)
F	Below 240

- **Extra Credit**

  It is my view that any extra credit you earn should be used to your full advantage in that extra credit points should not increase the STP (400 points). Otherwise, the effect of extra credit would be diluted and less straightforward to interpret in percentage terms (as both the numerator and denominator are increased). Unfortunately, the rigid setup of Canvas gradebook inflates the STP and complicates percentage calculation when extra credit points are added. Even worse, the instructor cannot turn off the display of those figures, to the confusion of students.

  Therefore, simply ignore any percentage calculation automatically done by Canvas gradebook. Just focus on the total points you have earned to date. If you prefer to view your performance in percentage terms, just remember, the denominator (STP) always stays at 400 points regardless of how many extra credit points I make available. Add extra credit points to the numerator only; with the denominator held constant, the extra credit increases your percentage to its fullest extent.

- **Grading Dispute**

  Any dispute over grades must be made *in writing and within one week* of the day the exam/assignment was returned to you. Your written appeal must include the original, graded assignment, and reasons for disputing the grade. Also, note that I may choose to re-grade the assignment in its entirety, which could result in a raising or *lowering* of the grade. It is far more productive studying before exams than haggling for the points afterwards. However, if you do not understand why an answer is incorrect and want to know how to improve for future exams or assignments, I am happy to discuss them with you.

THE "INCOMPLETE" GRADE

The I (Incomplete) grade is reserved for a very limited number of true emergencies. In addition to legitimate reasons with proper documentation, a student **must be passing the course** (making satisfactory progress) when the emergency occurs. For the UNT policy regarding the I grade, see http://essc.unt.edu/registrar/academic-record-incomplete.html. It is also the student's responsibility to fill out the application form (http://www.coe.unt.edu/sites/default/files/796/Incomplete_grade_Form_0.doc) and obtain approval from the instructor and the department chair.

ASSIGNMENT POLICIES

Students should start to work on the assignments as soon as they are released on Canvas so that there will be sufficient time for problem resolution should technical or procedure issues occur. Feel free to contact me any time and I will make my best effort to respond to calls for help. However, if a request for help with an assignment is sent to me on the same day the assignment is due, there is no guarantee that I will be able to respond in time to resolve the issues, although I will still try my best. In that case, the student will be responsible for an assignment that cannot be completed to his or her satisfaction or expectation. The inability for the instructor to respond in time in such a circumstance should not become the reason for the student to request an extension of due date and/or favorable grading, or not to submit the assignment.

All assignments must be submitted through Canvas. Email submissions to me or the grader usually are not accepted and will not be graded. If the submission fails due to Canvas or other technical difficulties, document the issue as detailed as you can and contact me immediately. If late email submission is allowed, it must be submitted to the email address in the submission instructions or it will not be graded.

MAKE-UP POLICY

Exams must be taken in class at the scheduled time. It is your responsibility to make arrangements to attend exam sessions. Religious reasons and verifiable medical or other emergencies brought to my attention *before* the exam are the only exceptions to this policy.

EMAIL COMMUNICATIONS

When emailing me, please address it to **Dipakkumar.Pravin@unt.edu**. **Do not use the message or discussion board function of Canvas.** In your email, put the course number at the beginning of the subject line, followed by a dash, and then a brief description of the subject matter in a few words, e.g., "BCIS 3680 – JDBC Doesn't Work".

Asking for help with your assignments. Feel free to email me directly for help with your assignments. When you do so, please remember to: (1) Use **Subject Line Prefix: 3680-F21 <your topic description>** (2) attach your source code with your initial email calling for help. Failure to do so causes another round of emails and delay in troubleshooting code; (3) do it before it's too late. **Don't wait until the last minute to seek help**.

RESPONSIBILITIES OF STUDENT

- You are expected to attend class regularly. If you must miss a class, it is *your* responsibility to cover any missed material with one of your classmates.
- All work completed outside of class must be typed (word processed) and use proper screen captures or non-hand drawn diagrams.
- The professionalism of your work will count towards your grade. This includes spelling and grammar.
- Submit assignments before the due time.
- Hardware failure or inaccessibility is not a valid excuse for late work or for missing an exam. This means that if the computer eats your assignment, or if the labs are full, you will not be excused from handing in an assignment on time.
- Missed exams receive a grade of zero.
- You must inform me of any special circumstances that might prevent you from completing course requirements on time.

PROFESSIONALISM

The Ryan College of Business is a professional school and one purpose of the college is to educate future managers and corporate leaders on the types of professional behavior that is expected in corporate settings. Therefore, students will be expected to conduct themselves in a highly professional manner at all times. Specifically, students should:

- Be on time for class.
- Read and review the assignments prior to the class.
- Be willing to contribute to class discussions and exercises.
- Be respectful toward faculty, guest speakers, and fellow students.
- Display tolerance toward varying viewpoints and differences in values.

When you join a Zoom meeting, you will be initially muted by the instructor. Unmute yourself when you need to speak. Please remember to mute yourself during all other times so that any background noise in your house will not disturb the class. Be prepared for what you may need during the class (books, notes, pens, snacks, water, etc.) and be focused during the class time. Violations of professionalism and any disruptiveness will be result in the reduction of one letter grade for every violation. The professor will determine such violations, but will give you one oral warning prior to reducing your grade for unprofessional behavior.

ACCEPTABLE STUDENT BEHAVIOR

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student's conduct violated the Code of Student Conduct. The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at www.unt.edu/csrr.

ACADEMIC INTEGRITY

This course adheres to the UNT policy on academic integrity. The policy can be found at https://policy.unt.edu/policy/06-003. If code plagiarism is detected, both the student(s) who provide the source of the copied work and the student(s) who copied the work will receive zero points for the grading item involved.

DISABILITY & ACCOMMODATION

Any student in this class who has a documented visual or physical impairment, hearing disability, or any other disability covered by the university's services for students with disabilities should contact me during the first week of class to discuss and arrange any instructional accommodations that may be necessary. Students who would like to serve as volunteer tutors, readers or note takers for students needing special assistance are encouraged to contact me during the first week of class.

Date	Topic(s)	Reading	Assigned	Due
8/25	Course Overview			
	NetBeans			
9/01	Compilation & Packages	Ch. 2, 5		
9/8	Building Classes I	Ch. 6, 8	HW1 on 9/08	
9/15	Building Classes II	Ch. 8	HW2 on 9/15	JCE1 due on 9/16
	JCE1			HW1 due on 9/18
9/22	Exam 1 (Ch. 2, 5, 6, 8)			HW2 due on 9/25
	Text Processing (Concepts)	Ch. 9		
9/29	Text Processing I	Ch. 9		JCE2 due on 9/30
	JCE2			
10/06	Text Processing II	Ch. 9		JCE3 due on 10/07
	JCE3			
10/13	Inheritance I	Ch. 10		
10/20	Inheritance II	Ch. 10	HW3 on 10/20	JCE4 due on 10/21
	JCE4			
10/27	Exam 2 (Ch. 9, 10)			HW3 due on 10/30
	Exception Handling (Concepts)	Ch. 11		
11/03	Exception Handling	Ch. 11		JCE5 due on 11/04
	JCE5			
11/10	Database Concepts	Ch. 16		JCE6 due on 11/11
	JCE6	Forta		
11/17	MySQL, JDBC I	Ch. 16	HW4 on 11/17	
11/24	JDBC II	Ch. 16		JCE7 due on 11/27
	JCE7			HW4 due on 11/27
12/01	JDBC III	Ch. 16		
12/08	Exam 3 (Ch. 11, 16, Forta)			**Exam Starts @ 2:00PM, ends @ 3:15PM**

1. Number of assignments and assignment-related dates are tentative and subject to change.

2. This syllabus may be modified at the discretion of the instructor at any time. Students will be notified orally in class and/or via email.

COVID-19 IMPACT (LAST BUT NOT LEAST...)

Face Coverings

UNT encourages everyone to wear a face covering when indoors, regardless of vaccination status, to protect yourself and others from COVID infection, as recommended by current CDC guidelines. Face covering guidelines could change based on community health conditions.

While attendance is expected, it is important for all of us to be mindful of the health and safety of everyone in our community, especially given concerns about COVID-19. Please contact me if you are unable to attend class because you are ill, or unable to attend class due to a related issue regarding COVID-19. It is important that you communicate with me prior to being absent so I may make a decision about accommodating your request to be excused from class.

While attendance is an important part of succeeding in this class, your own health, and those of others in the community, is more important.

 If you are experiencing any [symptoms of COVID-19](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) (https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or askSHWC@unt.edu) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at COVID@unt.edu for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

Please be prepared to take exams via Respondus Lockdown Browser with webcam monitoring. It is critical that you secure a webcam in working order before the first exam. If you use a notebook computer that was purchased recently, it's likely that it has an integrated webcam. Run Device Management program in Windows (or similar programs in your computer's operating system) to locate your webcam and check its status. If a webcam is absent or not in working order, obtain an external webcam that attaches to your computer through a USB port. Also, contact the Willis Library for the possibility to check out a notebook computer. Webcam difficulties will not be accepted as the reason for missing an exam, taking an exam late, or for requesting an exam time-extension or makeup. Resources allowing, it is advisable that you have a second computer with webcam as a "backup" or "standby" so that if technical issues occur, you can possibly resume your exam without much interruption.