

BCIS 3690 Syllabus Spring 2022
Hardy (12/14/2021 Version)

ADMINISTRATIVE INFORMATION:

Course Number: BCIS 3690
Course Title: Business Computer Information Systems
Semester: SPRING 2022

All PROBLEMS and DATASETS for the problems, ETC. can be downloaded from Canvas.

Instructors: Prof Hardy

Office: Hardy – BLB 367C } Mon 5:30 to 6:20 or on Zoom upon request

Email: LeRoy.Hardy@unt.edu

NO TEXTBOOK WILL BE REQUIRED

Each student will be given an account on an IBM System Z Mainframe.

COURSE OBJECTIVES

The objective of the course is to enhance the student's knowledge of the IBM System Z environment. The following topics will be covered; use of the RDZ/IDZ IDE environment, control breaks, JCL, IDCAMS utility options, the COPY option, the CALL command, procedures for running Copy/Call on the mainframe, data validation techniques, arrays and tables, searching tables, the internal SORT input procedure and output procedures, basic assembler concepts, DMAP and PMAP for debugging, basic core dump analysis, number systems, data formats, pack and unpack commands, VSAM file handling, and supervisory concepts.

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OFFICIAL REQUIRED UNT SYLLABUS STATEMENTS

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, **plagiarism**, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

ADA Accommodation Statement. UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that **students must obtain a new letter of accommodation for every semester** and must meet with each faculty member prior to implementation in each class.

Emergency Notification & Procedures. UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence).

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 Dean of Students 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.

Emergency Evacuation Procedures for Business Leadership Building:

Severe Weather In the event of severe weather, all building occupants should immediately seek shelter in the designated shelter-in-place area in the building. If unable to safely move to the designated shelter-in-place area, seek shelter in a windowless interior room or hallway on the lowest floor of the building. All building occupants should take shelter in rooms 055, 077, 090, and the restrooms on the basement level. In rooms 170, 155, and the restrooms on the first floor.

Bomb Threat/Fire In the event of a bomb threat or fire in the building, all building occupants should immediately evacuate the building using the nearest exit. Once outside, proceed to the designated assembly area. If unable to safely move to the designated assembly area, contact one or more members of your department or unit to let them know you are safe and inform them of your whereabouts. Persons with mobility impairments who are unable to exit the building safely should move to a designated area of refuge and await assistance from emergency responders. All building occupants should immediately evacuate the building and proceed to the south side of Crumley Hall in the grassy area, west of parking lot 24.

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COVID Policy statement

COVID-19 impact on attendance

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 as to what may be preventing you from coming to class so I may decide about accommodating your request to be excused from class.

If you are experiencing cough, shortness of breath or difficulty breathing, fever, or any of the other possible symptoms of COVID-19 (<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. While attendance is an important part of succeeding in this class, your own health, and those of others in the community, is more important.

NO MAKE-UP EXAMS WILL BE GIVEN IN THIS COURSE

The official UNT exceptions do apply but ONLY IF YOU NOTIFY ME AT THE BEGINNING OF THE SEMESTER. You must give me signed documentation from the university at the beginning of the semester. If I am not notified at the beginning of the semester - you will not be allowed a make-up exam.

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3690 Advanced Mainframe Schedule		
Jan 24	State Course Objectives & Review Class Notes Review Prob 6 from 3620 Lecture on Control break concepts Assign Prob 8 – Control Breaks (review beginning program)	
31	Q & A on Prob 8 - Control Breaks Lecture on COPY/CALL & JCL requirements to run on the Sys Z Assign CC1 – COPY/CALL and JCL Sorts on the Sys Z	Prob 8 due Fri 2/4 Academic Integrity due 1/31
Feb 7	Lecture on New Copy/Call and running on SysZ Assign CC2 - New COPY/CALL (PC first, then on the Sys Z)	CC1 due Fri 2/11
14	Q & A on 'NEW' COPY/CALL to be run on PC & Sys Z Lecture on JCL Sorts – Assign JCL Sort Lecture on Number Systems Notes In class number systems exercise - review it	CC2 due Fri 2/18
21	Lecture on Data Formats Notes In class data formats exercise - review it	JCL Sort Fri 2/25
28	Lecture Pack & Unpack programs - in class handout Lecture on IBM's RDZ/IDZ Windows/Sys Z user interface BRING YOUR LAPTOP AS WE WILL DEMONSTRATE	
Mar 7	EXAM ONE - Control Breaks, COPY/CALL on PC & SysZ, Data Formats, Number Systems (Hex Math), Pack/Unpack, RDZ	
14	Spring Break	
21	Lecture on VSAM and explain the 8 steps [4 PC- 4 SysZ] Assign VSAM1	
28	Lecture on VSAM and – follow the 8 steps discussed in VSAM One and write the code for the second VSAM program Assign VSAM2	VSAM1 due Fri 4/1
3/28-4/1	Meeting with IBM Companies. Likely includes lunch	
Apr 4	Lecture on COBOL internal SORT and the required JCL Needed to run on the SysZ Assign COBOL Sort	VSAM2 due Fri 4/8
11	Lecture on the Data Validation process – in class handout Lecture on Tables and Searching Assign Tables – Table/Searching program – in class handout	CBL Sort due 4/15
18	Lecture on SYSTEM Z debugging concepts - in class handout Assign Debug – Assembler basics, PMAP, DMAP & core dumps – in class handout	Tables due Fri 4/22
25	Finish lecture on debugging Lecture on Supervisory Concepts Review for EXAM TWO	Debug due Fri 4/29
May 2	EXAM TWO – VSAM, data validation, sorting, table handling and searching, debugging concepts using assembler, DMAP, PMAP, supervisory concepts, and core dumps	

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Point Distribution for Problems

Prob 7 – Control Breaks	25	PC & SYS Z	Feb 4
CC 1 – Copy/Call with Sort	10	SYS Z	Feb 11
CC 2 – New Copy/Call	10	PC & SYS Z	Feb 18
JCL Sort	5	SYS Z	Feb 25
VSAM 1 – VSAM One	15	PC & SYS Z	Apr 1
VSAM 2 – VSAM Two	30	PC & SYS Z	Apr 8
Sort – COBOL Sort	10	PC & SYS Z	Apr 15
Tables – Table Handling	15	PC & SYS Z	Apr 22
<u>Debug – Debugging</u>	<u>20</u>	<u>ANSWER SHEET</u>	<u>Apr 29</u>
TOTAL	140		

NO MAKE-UP EXAMS WILL BE GIVEN DURING THE SEMESTER.

Grading System

EXAM ONE 100 in class exam
EXAM TWO 100 in class exam

HOMEWORK 140 points

TOTAL 340 points

Please take care of personal business before an exam starts