Course: CIS 4350 (Information Technology Audit)
Time: Tuesday (Tu) and Thursday (Th) 7:30pm to 8:45pm on Campus (A - 17 Lex 1304)
Instructor: Prof. Lubens Bonhomme, CISA, CISM, CDPSE
Office Hours: Please email me to schedule an online meeting or meet on campus
E-Mail: Lubens.bonhomme@baruch.cuny.edu

Course Purpose/Description
This course presents, at the conceptual level, audit and control of computer information systems. Topics covered include audit considerations of project development, database administration, control of data, assessment of data integrity, efficiency, and effectiveness.

Prerequisite: CIS 3367 or CIS 3400 or ACC 3100 or ACC 3200

Course Goals
Students will learn the essential principles, knowledge, and skills on how to examine IT systems. Students will work through IT audit problems, simulations, practical audit cases, and research in order to develop IT audit expertise. The course is designed to meet the increasing needs of IT audit, compliance, security, and risk management professionals.

Textbook (not required) and Course Materials

- Information Technology Control and Audit, Fifth Edition 5th Edition by Angel R. Otero (Author)
- Supplementary course materials will be posted on Blackboard.

Course Assignments

Midterm Exam	30 Points
Final Exam	30 Points
Group IT Audit Project	25 Points
Individual and Group Assignments	10 Points
Participation/Attendance	5 Points

Proctoring Online Exams
For this class's midterm and final exams, we will be using an online proctoring system that will, for the duration of the exam, 'lockdown' the student's computer so that it can be used only for the exam. All members of the class will be asked to employ this lockdown system. Those who cannot, need to be in touch with me well before the scheduled date of the exam.

Grading Scale

Letter Grade	Grade Scale %
A	93.0 -100

A-	90.0 - 92.9
B+	87.1 - 89.9
B	83.0 - 87.0
B-	80.0 - 82.9
C+	77.1 - 79.9
C	73.0 - 77.0
C-	70.0 - 72.9
D+	67.1 - 69.9
D	60.0 - 67.0
F	0.0 - 59.9

Grade Distribution

- A & A- : 30% or less
- B+, B & B- : 35% or less
- C+, C & C- : 20% or less

Students Responsibilities
Students are responsible for all material covered in class and all announcements made in class. In addition, students are responsible for checking the Blackboard system periodically for announcements and changes to course documents, including syllabus. Students should read the associated chapters and be ready to discuss the assigned work to the best of their ability prior to each class meeting.

Students with Disabilities
Baruch has a continuing commitment to providing reasonable accommodations for students with disabilities. Like so many things this fall, the need for accommodations and the process for arranging them have been altered by COVID-19 and the safety protocols currently in place. Students with disabilities who may need some accommodation in order to fully participate in this class should contact Student Disability Services as soon as possible at disability.services@baruch.cuny.edu or call 646/312-4590.

Academic Integrity
I fully support Baruch College's policy on Academic Honesty, which states, in part:
"Academic dishonesty is unacceptable and will not be tolerated. Cheating, forgery, plagiarism, and collusion in dishonest acts undermine the college's educational mission and the students' personal and intellectual growth. Baruch students are expected to bear individual responsibility for their work, to learn the rules and definitions that underlie the practice of academic integrity, and to uphold its ideals. Ignorance of the rules is not an acceptable excuse for disobeying them. Any student who attempts to compromise or devalue the academic process will be sanctioned."

Academic sanctions in this class will range from an F on the assignment to an F in this course. Additional information regarding Baruch's policy on academic honesty can be found at
http://www.baruch.cuny.edu/academic/academic_honesty.html

Assignments and Participation
Class attendance is mandatory. Any student who fails to attend class is likely to miss important material and announcements that will make it difficult for the student to be successful in the course. Please be sure to arrive to class on time and ready to participate. Before entering the classroom, please make sure you have silenced your cell phone.

COVID-19 Protocols

Baruch College and CUNY have protocols in place for students who have Covid-19 symptoms, positive Covid-19 test results, or who have been in close contact with someone who tests positive for Covid-19. The protocol on what to is at https://forward.baruch.cuny.edu/reporting-and-managing-covid-19-cases/. It's important that you follow this protocol throughout the semester.

Tentative Course Outline (subject to change);

Week/Session - Date	Chapter/Topic	Reading/Materials
Week 1; Session 1 – 1/25/2024	Class Introductions Chapter 1 – Information Technology Environment and IT Audit	Pg. 3 – 27 *Individual Assignment 1*
Week 2: Session 2 – 1/30/2024	Chapter 2 – Legislation Relevant to Information Technology	Pg. 31 – 55
Week 2; Session 3 – 2/1/2024	Chapter 2 – *Group Assignment 2*	-
Week 3; Session 4 – 2/6/2024	Chapter 3 – The IT Audit Process	Pg. 50 – 93
Week 3; Session 5 – 2/8/2024	Chapter 3 – *Group Assignment 3*	Pg. 50 – 93
Week 4; Session 6 – 2/13/2024	Chapter 4 – Tools and Techniques Used in Auditing IT	Pg. 109 - 125
Week 4; Session 7 – 2/15/2024	Chapter 5 – IT Governance and Strategy	Pg. 133 - 150
Week 5; Session 8 – 2/20/2024	Chapter 5 – *Group Assignment 5*	Pg. 133 - 150
Week 5; Session 9 – 2/22/2024	***No Class – Monday Schedule***	
Week 6; Session 10 – 2/27/2024	Chapter 6 – Risk Management	Pg. 155 - 173
Week 6; Session 11 – 2/29/2024	Chapter 7 – Project Management	Pg. 177 - 197
Week 7; Session 12 – 3/5/2024	*Group Audit Project Session – Introductions and Assignments*	*Group*
Week 7; Session 13 – 3/7/2024	**Guest Speaker – IT Audit**	**-**
Week 8; Session 14 – 3/12/2024	***No Class***	**-**
Week 8; Session 15 – 3/14/2024	*Midterm Review Session*	-
Week 9; Session 16 – 3/19/2024	**Midterm Exam (Computer Lab)**	**Chapter 1 - 7**
Week 9; Session 17 – 3/21/2024	Chapter 8 – Systems Development Lifecycle	Pg. 201 - 233
Week 10; Session 18 – 3/26/2024	Chapter 9 – Identity and Access Management/Application Systems	Pg. 241 - 262
Week 10; Session 19 – 3/28/2024	*Group Audit Project Session – Walkthrough and Narrative*	*Group*
Week 11; Session 20 – 4/2/2024	Chapter 10 – Change Control Management	Pg. 265 - 282
Week 11; Session 21 – 4/4/2024	*Group Audit Project Session – Audit Program Guide*	*Group*
Week 12; Session 22 – 4/9/2024	Chapter 11 – Information Systems Operations	Pg. 291 - 305
Week 12; Session 23 – 4/11/2024	Chapter 12 – Information Security/Cybersecurity	Pg. 315 - 338
Week 13; Session 24 – 4/16/2024	***No Class – Extra Credit Assignment***	-
Week 13; Session 25 – 4/18/2024	Chapter 13 - Systems Acquisition, Service Management, and Third-Party Risk Management	Pg. 355 - 367
Week 14; Session 26 – 4/23/2024	***No Class – Spring Recess***	-
Week 14; Session 27 – 4/25/2024	***No Class – Spring Recess***	-
Week 15; Session 28 – 4/30/2024	***No Class – Spring Recess***	-
Week 15; Session 29 – 5/2/2024	*Group Audit Project Session – Detailed Testing*	*Group*
Week 16; Session 30 – 5/7/2024	*Group Audit Project Session – Report Writing & Presentation*	*Group*
Week 16; Session 31 – 5/9/2024	***Final Exam Review Session***	**Chapters 8-13**

Week 17; Session 32 – 5/14/2024	***Last day of Class*: Group Audit Project Submission & Presentations**	
Week 18; Session 32 – 5/21/2024	**Final Exam Tuesday, 8:15pm to 10:15pm (Computer Lab: TBD)**	**Chapters 8-13**