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INFO 495-01 Systems Development Project

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**INFO 495 – 01 SYSTEMS DEVELOPMENT PROJECT
COURSE SYLLABUS (Spring 2014)**

CLASS LOCATION AND TIME: HAI 15, MW (4.00 – 5.15pm)

INSTRUCTOR:

Name Dr. Adekunle Okunoye
Email: okunoye@xavier.edu
Office Location: Room 207 Smith Hall
Office Hours: MW 12:00 noon – 2:00pm
 Or by appointment
Telephone: 513 745 3052 (office)

Textbooks (Reference only):

- Effective Project Management – Traditional, Agile and Extreme. Robert K. Wysocki. 5th Edition. Wiley Publications ISBN 978-0-470-42367-7
- Project Management for Business, Engineering, and Technology. John Nicholas and Herman Steyn 3rd Edition BH Publication. ISBN 978-0-7506-8399-9
- *Introduction to Systems Analysis and Design*, Whitten & Bentley
- A comprehensive reference book for Access, Visual Basics etc *may* be necessary as reference for each team.

Pre-requisites

INFO-450 (Systems Analysis and Design) is absolute pre-requisite and INFO-358 (Data Modeling) is pre-requisite or co-requisites. Other courses listed as pre-requisites for INFO-450 (FINC-300, MGMT-300, and MKTG-300) are all required courses for a BSBA degree and provide a solid base for development of your project. You are responsible for project management, communication (oral and written), and the overall management and marketing of your project. Knowledge of Access and Visual Basic is also required to complete most projects.

It is likely that students will need more knowledge of MS Access and Visual Basic than is normally acquired in the pre-requisite classes. Therefore, students are required to use outside resources to acquire the additional knowledge necessary to complete the projects. Sources of additional knowledge include reference materials, work experience and contacts, other knowledgeable contacts, experimenting with the software, and research done by other project teams. Students are also expected to acquire a working knowledge of MS Project, which your teams may use to maintain project plans.

Course Objectives, Student Learning Outcome and Guidelines

The primary objective of this course is to provide students with the opportunity to apply skills and techniques from other IS and Business courses for the purpose of implementing and delivering a business information system. The course is a direct follow-up to INFO-450 (Systems Analysis and Design) and the implementation project will follow directly from the project assigned for that course.

The students are expected to design a functional system that meets the requirements of the client. The solution is not experimental but a complete solution to a real life problem. The students are expected to demonstrate mastery of database and its application in analysis and reporting. Since the students will be exposed to real life data, some confidential documents and proprietary data and information, they are expected to apply their knowledge of social, legal and ethical implications of technology in such situations. The course will specifically reinforce the issue of information systems infrastructure through project design and implementation. The students are expected to employ the state of the arts project management techniques and tools. The course further develops student's knowledge, skill and ability in professional communication with the clients and how to produce technical documentation and user manual to support the users, usability and ease of use of the software.

Unless otherwise determined, project teams will remain the same as they were for the INFO-450 course. Students currently taking the INFO-495 class who did not take the previous Fall session of INFO-450 will be assigned to a project team. It is the responsibility of the new team member to make every effort to become quickly familiar with the assigned project; and it is the responsibility of the existing project team to make every effort to assist the new members in the learning process.

College of Business ETS Exam

There will be an exam given to all students in the Williams College of Business Capstone Courses this semester. The purpose of this exam is to provide an assessment of our program at Xavier as compared to other universities. The exam is widely used on a national basis, and is a course requirement for all Capstone students in the Williams College of Business. You will receive information concerning your grade on the exam, as well as information as to how it compares to the national participants. The results of this test are important to you and to Xavier. The results will help us understand if there are improvement opportunities, and they will help you understand how you compare to students on a national level.

The exam that you will be taking is the "Major Field Test" from the Educational Testing Service (ETS). The ETS exam is three hours long and will be administered by the Williams College of Business in special sessions at times. Class time will be allotted for taking the exam. In general, the exam will cover all areas of business, including Accounting, Economics, Management, Quantitative Business Analysis and Information Systems, Finance, Marketing, and Legal and Social Environment studies. Your results from this exam will represent 10% of your grade for INFO-495. We will discuss this in more detail in our first class meeting.

Student Evaluation

The case project and class participation will represent 90% of the student's grade, with the ETS Exam representing the other 10%. All aspects of the team project will be considered to arrive at a grade for the project. These areas include adherence to standards, documentation, training, and the effectiveness of program code. Every effort must be made to implement all aspects of the designed system. However, if it is determined that the completion of all phases of the project is beyond the scope of the course, the project grade will be based upon the portion of the system determined by the professor (with input from the team and the client) to be implemented, along with design specifications for those portions not to be implemented. All code implemented must be of the highest quality and must meet or exceed user

requirements. Each project will receive a grade based on these standards. Remember, your client is expecting an A project. A system that functions at an 80 or 85% level is not worth much to your client.

Peer evaluation sheets will be used in combination with instructor’s observations and client input, to determine an individual's participation level. It is important that all members of the team fully participate in the project. Attendance at team meetings and active participation in the project are absolute course requirements. If the instructor determines that a student did not fully participate in the team project, that student's grade will be lowered accordingly. Each student on the team will get a portion (up to 100%) of the final project grade.

Online Learning Environment - Canvas

Canvas class web site - <https://canvas.xavier.edu/login>

Updated information, announcement and other course materials shall be made available through Canvas

Grading Criteria

Case Project and Class Participation....90%	Grade Distribution:	
ETS Exam.....10%	Grade	Points
	A	95-100
	A-	90-94
	B+	87-89
	B	83-86
	B-	80-82
	C+	77-79
	C	73-76
	C-	70-72
	D	60-69
	F	below 60
Total.....100%		

Class Attendance

More than 1 unexcused absence from scheduled weekly class meetings will result in a grade of 0 for class participation.

General Information

Additional information about this course may be found by accessing the Xavier Canvas site. Internet access and the use of your Xavier email address are considered to be course requirements. Any additional information that you will need about the class will be sent to you using email and/or posted on the Canvas site.

Projects and assignments will be due on the dates specified. Late reports are not acceptable! Withdrawals, transfers, and other exceptional situations must be discussed with the instructor and the college office. Incomplete grades will only be given in very exceptional situations.

Class Cancellations

Details concerning class cancellations or delays due to a snow emergency or any other reason will be posted to the Announcements section of Canvas.

System Development Project - INFO 495
General Schedule Overview

This Schedule Overview is intended to provide general guidelines for your progress through the course. Actual activities each week will vary by project, and could be significantly different for enhancement projects and phased implementation plans. You are required to develop a detailed project plan, which you will use to track your status throughout the project. Regularly scheduled progress reviews will be conducted with the instructor and the client as outlined below. In addition to these meetings, you will be expected to meet with your team members and clients as needed throughout the project. Written status reports will be required as stated below. Additional information concerning weekly activities will be posted in the weekly folders.

This schedule is NOT to be considered as a substitute for a detailed Project Plan.

<u>WK</u>	<u>Week of</u>	<u>General Topic</u>
1	Monday, January 12, 2015	Introduction to the course (entire class). Review Syllabus and General Class Schedule Overview Review project status (brief individual team meetings) Teams contact project sponsors Update Project Plan
2	Monday, January 19, 2015	ML King Day Begin regular progress review meetings
3	Monday, January 26, 2015	Work with clients to refine design specifications as needed
4	Monday, February 02, 2015	Complete database design Begin prototyping the new system
5	Monday, February 09, 2015	<i>Written status report due</i> Develop software
6	Monday, February 16, 2015	<i>Review material with clients and refine software</i> <i>Written status report due</i>
7	Monday, February 23, 2015	Develop testing and training plans
8	Monday, March 02, 2015	<i>Spring Break</i>

9	Monday, March 09, 2015	<i>Preliminary Project Presentations</i>
10	Monday, March 16, 2015	ETS EXAM (Tentative)
11	Monday, March 23, 2015	Begin the system testing process Finalize system and user documentation plans
12	Monday, March 30, 2015	Test hardware and software Finalize implementation plans Prepare documentation (review draft with client) Conduct initial client training Software installation at client locations
13	Monday, April 06, 2015	<i>Written status report due</i> Follow up on client installations Finalize documentation Fix problems discovered from client implementation
14	Monday, April 13, 2015	Review manuals and working software with clients Fix problems discovered from client implementation Address issues presented by your client Schedule final on-site client review meetings
15	Monday, April 20, 2015	Conduct final client review meetings at client locations Mock Presentation
16	Monday, April 27, 2015	Team evaluation forms due Final report submission and Presentation
17	Monday, May 04, 2015	Final user signoff