

University of North Texas at Dallas

Syllabus

CSCE 4905		Information Technology Capstone I (3 Hrs)		Fall 2016
Department:	Mathematics and Information Sciences	School:	Liberal Arts and Life Sciences	
Instructor name:	Dr. Saif Al Sultan			
Office Location:	Founders Hall 222			
Office Phone:	972-338-1539			
Email Address:	Saif.alsultan@untdallas.edu			
Office Hours:	TuTh 10:00 AM – 11:00 AM & 1:00 PM – 2:00 PM MW 12:00 PM – 2:00 PM Or by appointments			
Classroom Time & Location:	TuTh: 2:30PM - 3:50PM in FH 213			
Course Catalog Description:	First of a two course sequence in which students will develop a complex IT System starting from customer requirements and progressing through the entire analysis, design, implementation, testing and delivery lifecycle. Students will work in teams to develop a project plan, complete the technical components of the project, prepare a variety of deliverable documents, and finally deliver the finished product to the customer. The first course will focus on the analysis and design of the system.			
Prerequisites:	CSCE 3055			
Required Text:	<ul style="list-style-type: none"> • <i>No books required for this course.</i> 			
Recommended Texts and References:	Journals, conference papers and lecture notes.			
Access to Learning Resources:	UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fhg.follett.com			
Course Goals:	<ul style="list-style-type: none"> • Equip students with the ability to conduct literature survey, which in turn will enhance students' ability to critical thinking, referencing, and report writing. • Improve students' ability in using the previously acquired knowledge (from the previously studied courses) during solving real world problems. • Provide students the ability to planning and time management. 			
Student Learning Outcomes:	Upon successful completion of this course, the student will be able to:			
	<ul style="list-style-type: none"> • Define the structure of the project and explain the research methodology. • Conduct a literature survey to cover the work that has been carried out in the identified area of research. • Analyze the previous work critically and ethically, and justify the uniqueness of the proposed idea and the available tools. • Write a report that demonstrates the proposed work, and present the proposed work. 			

- Plan and manage the time.

Course Outline

This schedule is subject to change by the instructor, any changes to this schedule will be announced in class.

Topics	Teaching Method	Weeks
Project Structure and Projects identification.	Lecture	Week 1
Project Structure and Projects identification.	Lecture	Week 1
Project Structure and Projects identification.	Lecture	Week 2
literature survey	Self study using several books, journals and conference papers.	Week 2
literature survey		Week 3
literature survey		Week 3
literature survey		Week 4
literature survey		Week 4
literature survey		Week 5
literature survey		Week 5
literature survey		Week 6
Justify the uniqueness of the idea and identify the required tools.		Self study and meetings with the supervisor.
Justify the uniqueness of the idea and identify the required tools.	Week 7	
Design and specify the solution.	Self study and meetings with the supervisor.	Week 7
Design and specify the solution.		Week 8
Design and specify the solution.		Week 8
Design and specify the solution.		Week 9
Design and specify the solution.		Week 9
Write a report that demonstrates the proposed work.	Self study and meetings with the supervisor.	Week 10
Write a report that demonstrates the proposed work.		Week 10
Write a report that demonstrates the proposed work.		Week 11
Write a report that demonstrates the proposed work.		Week 11
Write a report that demonstrates the proposed work.		Week 12
Write a report that demonstrates the proposed work.		Week 12
Write a report that demonstrates the proposed work.		Week 13
Write a report that demonstrates the proposed work.		Week 13
Write a report that demonstrates the proposed work.		Week 14
Write a report that demonstrates the proposed work.		Week 14
Write a report that demonstrates the proposed work.		Week 15
Viva		

Course Evaluation Methods

At the end of the course the student will present his/her report to a panel (Viva). The following criteria will be used to assess the report and the student's performance in the viva. The following matrix is subject to change by the instructor, any changes to this schedule will be announced in class.

Grading Matrix

No.	Criteria	Point
1	Presentation.	15%
2	Student's ability in answering the questions.	15%
3	The Logical structure of the report.	10%
4	The selection and the analysis of the related work.	10%
5	Clear specification of the problem.	10%
6	Critical engagement with published material (including courses taken) and references.	10%
7	Development method (Requirements, Design, Implementation).	10%
8	Further/Future Development.	5%
9	The accuracy and the correctness of the report.	10%
10	The illustration of figures, tables and diagrams.	5%
Total		100%

The following standard grading scale will be used to determine your final letter grade:

A = 90% or better

B = 80 – 89 %

C = 70 – 79 %

D = 60 – 69 %

F = less than 60%

University Policies and Procedures

Students with Disabilities (ADA Compliance):

Chapter 7(7.004) Disability Accommodations for Students

The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students seeking accommodations must first register with the Disability Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, DSO 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/communicate with each

faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at <http://www.untdallas.edu/disability>. You may also contact them by phone at 972-338-1777; by email at UNTDdisability@untdallas.edu or at Building 2, room 204.

Course Evaluation Policy:

The student evaluation of teaching effectiveness is a requirement for all organized classes at UNT Dallas. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider a student's evaluation to be an important part of your participation in this class.

Assignment Policy:

All assignments are due in class on the due dates stated on the assignments. No late assignments will be accepted, except for documented emergencies. All assignments are to be done individually unless stated otherwise on the assignment. **(Not applicable to this course)**

Make-Up Exams:

Exams should be taken as scheduled. No makeup examinations will be allowed, except for documented emergencies (See Student Handbook). **(Not applicable to this course)**

Email Policy:

Use your Blackboard email account to contact me. You should check your email every day as you are responsible for all information I send out. Due to privacy rights, I will not discuss grades over the phone and I will only answer emails from your Blackboard account.

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at http://www.untdallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic%20Integrity.pdf for complete provisions of this code.

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

Inclement Weather Policy:

On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:

The University attendance policy is in effect for this course. Class attendance and participation is mandatory because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.

Successfully completing this class is a function of many factors. Two such factors are class attendance and assignment completion. **(Not applicable to this course)**

Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Office of Student Life as the instructor deems appropriate.

Cell Phones:

Cell Phone use (or ringing) in class is strictly prohibited.