IT-4983 Capstone Project (Spring 2018)

Instructor: Dr. Ming Yang   **Office**: J-363   **Phone**: 470-578-3809
Email: mingyang@kennesaw.edu   **Website**: http://facultyweb.kennesaw.edu/myang8/
Class Meeting: **Section 01**: 5:00PM – 6:15PM, Thursday, J-262;   **Section W01**: Fully Online;
Office Hours: Physical office hour: 2:00PM – 5:00PM, Thursday;
Online Office Hour: 9AM – 12PM, Monday, via Google Hangout (ID: myangcs@gmail.com)

Contact the Instructor

1. Email me directly at mingyang@kennesaw.edu; E-mail turnaround time: 24 hours;
2. Use D2L Discussion Forums and D2L Chat to interact with the instructor and classmates;
3. **Please ONLY use your KSU email account ("@students.kennesaw.edu") to contact me;**
4. **please DO NOT email me through D2L;**
5. Sensitive information (such as your grades) can only be sent to KSU email account;
6. In the subject line of your email, please have course and section numbers;
7. If you email me but cannot get a response, there are two reasons:
   a. You emailed me through D2L, not through Gmail ("@students.kennesaw.edu);
   b. You did not include course # and section # in the subject line of your email;

Course Descriptions

Students work in teams to develop or implement a real-world IT solution integrating the knowledge acquired in preceding IT courses. Components that are emphasized include technical design, research, documentation, project management, leadership, team work, and communication skills. The final result will be an IT solution addressing a typical business or organizational need such as data management or system implementation, which will be evaluated by faculty members, Industrial Advisory Board members, and project owners.

Course objectives

The goal of this course is to apply and examine your skills in a real world context. The course brings together teams of senior students in Information Technology to address complex challenges and identify new opportunities for information technology professionals. In measuring your progress toward the BSIT degree, we will assess what you have accomplished, and will project what you will have to offer as an IT professional in real-world organizations. The course objectives are to create value-added deliverables in the following three categories:

- *Business-Value:* Prepare you to assist in analyzing and developing IT solutions to meet business needs.

- *Personal-Value:* Prompt you to assess what you have learned and produce a career portfolio to demonstrate your competence that will add value to your applications for jobs and/or a graduate school. Enhance your ability to function as an effective IT professional and/or project manager.
- *Degree-Value*: Be able to assess the key knowledge and skills throughout the BSIT degree program and the ability to articulate their relevance to career goals.

Learning Objectives

Through taking this course, the students will be able to:

- Apply IT concepts, applications, best practices, and standards to create a solution or report that addresses real business needs.
- Practice soft skills such as project planning and management, research and learning, communication, writing, presentation, and team work, in a real world IT project.
- Produce a career portfolio for use in employment or graduate applications.

Prerequisites

1. Senior standing (it's best to take this course in your last semester before graduation).
2. Completed **ALL** of the following courses (strongly recommended): CSE 3153, IT 3203, IT 3223, IT 3883, IT 4323, IT 4423, and IT4823.
3. Declared a senior elective track (strongly recommended) and completed at least one course in the track.

Course Schedule and Grading

Grading

Item	Points
LinkedIn career profile assignment	10
Required project reports	35
Project owner evaluation	20
Department presentation evaluation	15
Peer evaluation	20
Total	*100*

Total	Grade
=>90	A
=>80	B
=>70	C
=>60	D
<60	F

More details about each item will be provided in separate documents.

Student Feedback

We try to improve the quality of the class as we go. So, during the semester, if you have any comments, feedback, suggestion, complaints to the instructor, please feel free to contact me and I am willing to discuss the issues with you. The discussion will improve the learning process, for both you and me. Any comment from students will be appreciated.

Course schedule (subject to minor change during the semester)

There is no lecture in this class. Most of the meetings in this class are within each group at a convenient time for the group (group meetings, kickoff meeting, milestone meeting, etc.). The class as a whole typically meets two times: one for the very first class to introduce the class and meet project owners, and the other one in the final week to present to the department.

Course Calendar (tentative)

Week	Date	Course Contents	Notes
01	01/08 – 01/14	Meet project sponsors and classmates;	Friday, J-161, 2:00PM – 4:45PM
02	01/15 – 01/21	Project application and assignment;	**Project Application due 01/14;**
03	01/22 – 01/28	Team-up and Project Planning;	Initial Project Plan due;
04	01/29 – 02/04	Weekly Team Meeting;	Weekly Report due;
05	02/05 – 02/11	Weekly Team Meeting;	Weekly Report due;
06	02/12 – 02/18	**Milestone #1 Meeting;**	Milestone #1 Report due;
07	02/19 – 02/25	Weekly Team Meeting;	Weekly Report due;
08	02/26 – 03/04	Weekly Team Meeting;	Weekly Report due;
09	03/05 – 03/11	Weekly Team Meeting;	Weekly Report due;
10	03/12 – 03/18	**Milestone #2 Meeting;**	Milestone #2 Report due;
11	03/19 – 03/25	Weekly Team Meeting;	LinkedIn Profile due;
12	03/26 – 04/01	Weekly Team Meeting;	Weekly Report due;
#	04/02 – 04/08		Have fun!
13	04/09 – 04/15	Weekly Team Meeting;	Weekly Report due;
14	04/16 – 04/22	**Milestone #3 Meeting;**	Milestone #3 Report due;
15	04/23 – 04/29	C-Day Program;	Final Report due to sponsors;
16	04/30 – 05/06	Final Presentation;	Final Report submission due;

1) Weekly meetings need to be held weekly;

2) For each weekly meeting, ONLY team manager needs to submit the "Activity Log" and "Meeting Log" to D2L;

3) Each team member needs to submit "Self Reflection Form" and "Peer Evaluation Form" separately;

4) ONLY the team manager needs to submit the weekly report, milestone reports, and final report;

C-Day Program

All capstone students are required to participate in the C-Day Program, which is the event to showcase CCSE student research project. C-Day program is held twice a year (Spring Semester and Fall Semester).

(1) C-Day Program has the following categories:

    a. Academic courses undergraduate (e.g. capstones, games, innovative special topics projects, other course projects) ------- this one is our category;

    b. Academic courses graduate (e.g. capstones, innovative special topics projects, other course projects)

    c. Undergraduate research

    d. Graduate research

    e. Service (e.g. internship, capstone project, student club)

(2) **03/25**, 11:59PM: Students will submit information about their projects. This information will be publicly available on CCSE website. Please note that each project team only needs one submission, and this will be the responsibility of the team manager. No late submission will be accepted. Information to be submitted:

    a. Project Title

    b. Project Description

    c. Research Question or Motivation

    d. Materials and Methods

    e. Preliminary Results

(3) **03/29**, 8:00AM: Departments submit ranked list of the projects in each category by 8 am Thursday, March 29.

(4) **04/02**: Deans and department chairs select c-day participants based on department rankings and available resources; students notified; judges finalized for each category.

(5) **04/23**: students submit posters for printing Monday.

(6) **04/26:** C-Day Program;

Contacts to get Help

Student Help Desk studenthelpdesk@kennesaw.edu or call 470.578.3555
D2L FAQ's click here
D2L Student User's Guide click here
UITS Student Training Workshop Schedule click here

Additional Resources

Remote access to Library Resources: http://library.kennesaw.edu/
Student Support:
http://learnonline.kennesaw.edu/resources/student_support_resources.php
Tutoring and Academic Support:
http://learnonline.kennesaw.edu/resources/tutoring_academic_support.php
Advising: http://learnonline.kennesaw.edu/resources/advising.php
Bookstore: http://bookstore.kennesaw.edu/home.aspx

University Policies

Disability Statement

Kennesaw State University provides program accessibility and reasonable accommodations for persons defined as disabled under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Kennesaw State University does not deny admission or subject to discrimination in admission any qualified disabled student.

A number of services are available to help students with disabilities with their academic work. In order to make arrangements for special services, students must visit the Office for Student Disability Services and make an appointment to arrange an individual assistance plan. In most cases, certification of disability is required.

Special services are based on

- medical and/or psychological certification of disability,
- eligibility for services by outside agencies, and
- ability to complete tasks required in courses.

ADA Position Statement

Kennesaw State University, a member of the University System of Georgia, does not discriminate on the basis of race, color, religion, age, sex, national origin or disability in employment or provision of services. Kennesaw State University does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities.

The Americans with Disabilities Act (ADA), Public Law 101-336, gives civil rights protections to individuals with disabilities. This statute guarantees equal opportunity for this protected group in the areas of public accommodations, employment, transportation, state and local government services and telecommunications.

The following individuals have been designated by the President of the University to provide assistance and ensure compliance with the ADA. Should you require assistance or have further questions about the ADA, please contact:

- ADA Compliance Officer for Students: 470-578-6443
- ADA Compliance Officer for Facilities: 470-578-6224
- ADA Compliance Officer for Employees: 470-578-6030

For more information, go to: http://www.kennesaw.edu/stu_dev/dsss.