IT 280 – Team Project Development with Agile

IT280 Course Syllabus
Fall Quarter 2020
Section: 701
Class number: 10750
Meeting time: Monday 5:45PM - 9:00PM
Location: OLSYN CH000 at Online Campus

Office:
Mobile Phone: 312-608-3207
Virtual Office Hours: by Appointment
Email: lmahmud@depaul.edu

Covid-19/Corona Virus

DePaul University has decided to continue holding classes remotely thru the Fall Quarter due to the COVID-19 (Coronavirus) pandemic. IT 280 was initially scheduled to be taught in a classroom environment. This class was originally designed to be taught in a classroom setting.
All syllabus changes will be communicated in D2L as soon as possible.

Course Description

Developing a software solution requires more than just knowing how to program. Software development includes analysis, design, documentation, maintenance, testing, debugging, and deployment. These parts of the development process are integrated by following a methodology. Additionally, software development is a highly collaborative activity, where soft skills like effective communication, teamwork, and the ability to give and receive feedback, are keys to a successful software project.
This class will cover the fundamentals of team development and the agile methodology for software project in lectures and hands-on labs. Students will work in teams on project and team building simulations during the quarter.

Organization

This is lecture course with weekly lectures, readings, workshops and project assignments done in and outside of class. Workshops and projects consist of developing project specifications. Students will work individually but **mostly in small teams** to master agile methodology and team management.

There is no textbook to purchase. A PDF version of our textbook is available on D2L.
Readings will be a collection of PDFs, website content, and DePaul online resource material.
Reading assignment details will be made available during class.

Learning Outcomes

Students will be able to:
- Define the core concepts of agile methodology
- Explain how to use best practices to develop agile artifacts and run agile ceremonies
- Explain best practices for identifying and resolving team communication and
- collaboration issues.
- Explain the roles in an agile project
- Demonstrate proficiency creating and improving agile artifact content.
- Demonstrate proficiency in discussing the agile team development process.
- Demonstrate proficiency in determining the best-fit development processes.

Conceptual Objectives

- Understand the agile methodology and its range of uses
- Manage a simulated agile project environment
- Understand taxonomies and vocabularies of agile and SCRUM
- Understand the impact agile and SCRUM on project development
- Understand the impact of acceptance criteria and agile testing
- How run and evaluate agile ceremonies

Course Topics

- Agile overview
- Team collaboration and communication
- Building team culture
- Managing teams – organization and strategies
- Agile artifacts
- Agile ceremonies
- Agile Project management tools
- The Software Development Life Cycle

Text and Required Materials

- Our textbook is titled **_Debugging Teams Better Productivity Through Collaboration_** and is available as a PDF on D2L
- For additional material we will use D2L PDF(s), DePaul Books24, Safari, and web articles
- Access to a computer or laptop with web access
- A working email account.
- Web access for online articles and DePaul books online
- Word Processing program
- Spreadsheet program

- ASCII Text Editor
    - Windows: Notepad++, Edit++, Brackets
    - Mac: Text Wrangler, BBEdit, Brackets

Course breakdown and Grading Scale

Course work will be weighted as follows:
        Participation: 15 points
        Homework: 25 points
        Group Projects 30 points
        Scrum Exam: 30 points

Letter Grade Percentage Points

A	100 – 95
A-	95 – 90
B+	89.9 - 87
B	86.9 – 83
B-	82.9 – 80
C+	79.9 - 77
C	76.9 - 73
C-	72.9 - 70
D	69.9 - 63
F	Below 62.9

Attendance
Due to the COVID-19/Coronavirus, the Fall Quarter will be conducted remotely. This means **all students** will be part in a single remote section.
For more information: https://resources.depaul.edu/coronavirus-covid-19-updates/Pages/default.aspx

Participation
Students are expected virtually attend class and be prepared to participate in the learning process. As we advance through the material and perform activities in our virtual class, it is your responsibility to ask questions and attempt to answer questions asked by the instructor.

Reading and Assignments
Reading assignments will be sections from our textbook and DePaul EBooks, and online articles. Reading assignment details will be made available during class and posted on the DePaul D2L.

Class Workshop Assignments
- Students may work in small teams to learn the agile methodology, teamwork, and work together to solve simulated project problem using the agile methodology.
- Assignment due dates will be published on D2L. Students will submit assignments to D2L using a template document.

Assignment Submission to D2L

If you are using Mac Pages, please **convert the Pages template to a PDF and submit the PDF to D2L.**
Accepted template formats are Microsoft Word or PDF.
*Please do not submit Pages, Text, or Zip files to D2L submission folder for this class. They will not be graded and you **not** receive credit for the assignment.*

Assignment Due dates

- Assignment templates are submitted to a D2L submission folder.
- D2L submission folders has a due date and time listed on D2L.
- Assignments are due on their assigned date and time. Due dates differ by assignment.
- Due dates and times are listed in D2L.
- Students are responsible for checking D2L and being aware homework due dates and times.
- Assignment submitted late will receive the following deductions:

Late assignment point deductions

1 hour < 1 day – 10%
1 day < 1 week – 25%
Between 1 week and < 2 weeks late: -50%
2 Weeks or more late: -75%

Assignment extensions and D2L submission folder closures

Students may request extensions of at least 24 hours prior to the due date.
Extensions are usually between 1 and 3 days.
Note: The D2L submission folder closes at 9 pm on the day of the final (week 11).
At that point, assignments are no longer accepted for grading.

Emergency School Closure Information

Info on emergency closure can be found at: [Emergency School Closure](#)

- In the event of a large-scale class cancellation or closure, a University-wide e-mail will be issued.
- A voicemail message will also be posted on the University's general announcement line at 312/362-6226 or main telephone number at 312/362-8000.
- Additionally, the DPU Alert system may be utilized and a banner on the University's homepage with closure information may be activated.
- The University may also post information on the University's social media.

Policy & Procedure for an Incomplete

An incomplete is given only for an *exceptional* reason.
Any such reason must be fully documented (by the student) before an incomplete can be given.
The Dean/Associate Dean must approve all incomplete requests.
A copy of this request will be placed in the student's academic file and the student will be notified of the result via email.
All remaining requirements must be completed with the original instructor.
You must have a passing grade to qualify for an incomplete.
They are for emergency use, for when you find yourself in a situation and you cannot complete the course and only have an assignment or two left unfinished.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and can be found at:
http://cdm.depaul.edu/enrollment
Here is a link to the policy and procedure for filing an incomplete:
http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx

Preferred Name & Gender Pronouns

Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities.
I will gladly honor your request to address you by an alternate name or gender pronoun.
Please advise me of this preference early in the quarter so that I may make appropriate changes to my records.

Student Preferred Name and Gender Policy at
http://policies.depaul.edu/policy/policy.aspx?pid=332

Week-By-Week Schedule

Week 1	Class Logistics | History of Software Dev
Week 2	Agile Manifesto and Principles
Week 3	Scrum – Intro to Scrum, Roles and Ceremonies
Week 4	Exam 1 | Team Dynamics
Week 5	Scrum Deep Dive – Product Vision, Product Backlog, Epics and User Stories Story Mapping and Estimation, Artifacts and Ceremonies
Week 6	Exam 2 | Group Project 1
Week 7	Group Project 1
Week 8	Group Project 2
Week 9	Group Project 2
Week 10	Non-Scrum Agile Methodologies
Week 11	Final Exam

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.
This includes late assignment deductions and due dates

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students complete the evaluation online in CampusConnect.

Academic Integrity and Plagiarism

This course will be subject to the University's academic integrity policy. More information can be found at http://academicintegrity.depaul.edu/.
If you have any questions, please contact your instructor.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at: http://cdm.depaul.edu/enrollment.

Students with Disabilities

Students who need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.
To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at: csd@depaul.edu.
Lewis Center 1420, 25 East Jackson Blvd.
Phone number: (312) 362-8002

Fax: (312) 362-6544
TTY: (773) 325.7296

Course Policies

Late Registrants: Students who register for this class late are responsible for making up all late assignments. They should also contact the instructor ASAP to discuss any possible assignment extensions.

Preparation: Students are expected to prepare for class by reviewing class activities, presentations, and assignments before class. This is an instructional class. Preparation for class is essential. Attendance: Attendance for this course will not be

Class Discussion: Student participation in class discussions will be measured in two ways. First, students are highly encouraged to ask questions and offer comments relevant to the day's topic. Participation allows the instructor to "hear" the student's voice when grading papers. Secondly, students will be called upon to participate in the activity and offer comments related to the reading assignments. Students must keep up with the reading to participate in the activity and class discussions.

Attitude: A professional and studious attitude is expected throughout this course. Students will refrain from such behaviors as talking to others when the instructor is speaking, mocking another's opinion, emailing, and texting or using the Internet whether on a phone or computer. If any issues arise a student may be asked to leave the classroom. The instructor will work with the Dean of Students to resolve these issues.

Civil Discourse: DePaul University is a community that thrives on open discourse that challenges students, both intellectually and personally, to be Socially Responsible Leaders. It is the expectation that all dialogue in this course will be civil and respectful of each student. Any instances of disrespect or hostility may jeopardize a student's ability to be successful in the course. The instructor will work with the Dean of Students to resolve these issues.

Cell Phones/On Call: If you bring a cell phone to class, it must be off or set to a silent mode. If you are required to be on call as part of your job, please advise the instructor at the start of the course. Should you need to answer a call during class, you must leave the room as discreetly as possible. Please put your cell phone away during class. Do not keep it on the desk. Students who do not comply will be asked to leave class and will receive an absence.

No texting during class: Out of respect to fellow students and the instructor. Headphones are not allowed in class: Please take off headphone and ear buds and put them away during class.