

COURSE GUIDE

Course / Section	IT332 Capstone and Research 1	Credit Units	3
Term Offered	1 st Semester 2020 - 2021	Total Hours	54 hours
Instructor	Dr. Leah V. Barbato		
Pre-Requisite/s	IT332		
Co-Requisite/s	None		
Course Description			
This subject requires students to implement the proposed IT solution in Capstone 1 (IT332).			
Course Learning Outcomes			
CLO1. Appreciate the importance of the course in relation to the goals and objectives of the program, the College and the University. CLO2. Implement the proposed IT solution. CLO3. Evaluate and interpret the performance results of the IT solution based on identified evaluation metrics. CLO4. Recommend possible improvements in the IT solution due to implementation issues.			
Topics / Modules			
Topics: <ul style="list-style-type: none">- Qualitative Research- Quantitative Research- Software Implementation Methodologies- Software Design Principles- Software Deployment			

MADE4Learners FRAMEWORK							
Approach	✓	Distance Blended	Distance		Online		Online Blended
Technical Requirements		<ul style="list-style-type: none">○ Hardware: PC / laptop, and/or Smartphone capable of text, call, email, FB group & messenger, PDF reader○ Software: MS Excel (not required but preferred)○ Materials, etc: Wifi connection at home					
Communication Means		<ul style="list-style-type: none">○ Facebook group &/or messenger, text, call, email○ Learning Management System: Moodle					
Reminders		<ul style="list-style-type: none">○ <u>WARNING: REQUIRES A LOT OF READING!</u>○ It is expected that students have the maturity and discipline to do self-directed learning and that the Instructor facilitates the learning through consultation and/or elaboration of topics.○ The learning activities will be uploaded in both the Google Classroom and Facebook Group..○ Submission of output/s is every end of the week preferably Friday and should be submitted through the designated Google Folders.○ The student must have the capability to do video conferencing for online class consultation/discussions.○ Written summative exams like midterm and final shall be done in CIT University if ECQ will be lifted already.					

PLAN OF LEARNING				
Week	Date	Teaching / Learning Activities	Output / Formative Assessment	Assessment Tools
1	October 26, 2021 – Tuesday	<ul style="list-style-type: none">- First meeting- Orientation- Revisit Capstone 1 (Documentation and Software)- Group Activity (Business Rules)- Submit minutes of the meeting		LMS/MSTeams
	October 28, 2021 – Thursday	Software Increment 1 Expected Output <ul style="list-style-type: none">- The following modules should be implemented:<ul style="list-style-type: none">- User Registration- Login/Logout- User Account Settings- Implement 25% of the Business Rules.		LMS/MSTeams
2	November 2, 2021 – Tuesday	<ul style="list-style-type: none">- Qualitative Research vs. Quantitative Research- Group Activity- Submit minutes of the meeting		LMS/MSTeams
	November 4, 2021 – Thursday	<ul style="list-style-type: none">- Continue working for Software Increment 1 Expected Output- Prepare Video for this output		LMS/MSTeams
3	November 9, 2021 – Tuesday	<ul style="list-style-type: none">- Software Increment 1 Output Presentation- Feedback- Revision of software implementation (if needed)		LMS/MSTeams
	November 11, 2021 – Thursday	<ul style="list-style-type: none">- Software Increment 1 Output Presentation- Feedback- Revision of software implementation (if needed)		LMS/MSTeams
4	November 16, 2021 – Tuesday	Software Increment 2 Expected Output <ul style="list-style-type: none">- Implement 50% of the Business Rules.		LMS/MSTeams
	November 18, 2021 – Thursday	<ul style="list-style-type: none">- Continue working for Software Increment 2 Expected Output- Prepare Video for this output		LMS/MSTeams
5	November 23, 2021 – Tuesday	<ul style="list-style-type: none">- Software Increment 2 Output Presentation- Feedback- Revision of software implementation (if needed)		LMS/MSTeams
	November 25, 2021 – Thursday	<ul style="list-style-type: none">- Software Increment 2 Output Presentation- Feedback- Revision of software implementation (if needed)		LMS/MSTeams
MIDTERM EXAM				
6	November 30, 2021 – Tuesday	BONIFACIO DAY		
	December 2, 2021 – Thursday	Software Increment 3 Expected Output <ul style="list-style-type: none">- Implement 75% of the Business Rules.		LMS/MSTeams
7	December 7, 2021 – Tuesday	<ul style="list-style-type: none">- Preparing Research Instrument (SUS Survey/Questionnaire)- Gathering of Research Data- Group Activity- Submit minutes of the meeting- Continue working for Software Increment 3 Expected Output		LMS/MSTeams

		- Prepare Video for this output	
	December 9, 2021 – Thursday	- Present output - Feedback - Tally Results - Write Results, Analysis and Discussion Software Increment 4 Expected Output - Implement 100% of the Business Rules.	LMS/MSTeams
8	December 14, 2021 – Tuesday	Finalize Research Paper Finalize Software Project	LMS/MSTeams
	December 16, 2021 – Thursday	OUTPUT PRESENTATION <i>Final Output Submission</i>	LMS/MSTeams
9	December 21, 2021 – Tuesday		LMS/MSTeams
	December 23, 2021 – Thursday	- Final Output Submission	LMS/MSTeams
FINAL EXAM			

GRADING SYSTEM

- A. MIDTERM GRADE:

Formative Assessment (all activities that are written and practical (subject to percentage distribution))

– 70%

Summative Assessment (Midterm Examination)

– 30%
- B. TENTATIVE FINAL GRADE:

Formative Assessment (all activities that are written and practical (subject to percentage distribution))

– 70%

Summative Assessment (Final Examination)

– 30%
- C. FINAL GRADE:

Midterm Grade

– 50%

Tentative Final Grade

– 50%

Faculty-in-charge:

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