Faculty/School	ICT Faculty
Title of Award	BSC ISN, CS, ICT, SWE
Course Code/Title	SE 3122/ The Agile Professional
Instructor	GUY ROSTAND KOUGANG
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Overview / Description of course

This course presents the Agile methodology and focuses on how productivity can be enhanced through workers considerations. It presents the agile mindset and core concepts, compare it with traditional methodologies and ends with some case studies.

Prerequisites

1.	Project management
2.	
3.	
4.	
5.	
6.	
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8.	

Objectives

	This course intends to prepare students to be able to apply the agile methodology in their new roles

Learning Outcomes	
1	At the end of the course, students should: -be able to explain the agile mindset
2	-be able to apply the agility in their daily activities
3	-be able to compare the traditional methodologies with the actual one

Chapters	Content
Week one	General introduction To introduce the course objectives, prerequisites, content, references
Week Two	THE AGILE MINDSET What Is An Agile Mindset? What Is the Agile Manifesto? The four Agile Manifesto values
Week Three	The 12 Agile Manifesto principles Why is the Agile Manifesto important? How to use the Agile Manifesto The Benefits and Advantages of Agile Why is Agile so popular? The benefits of Agile 1. Satisfied customers 2. Improved quality
Week four	Case studies
Week five	3. Adaptability 4. Predictability 5. Reduced risk 6. Better communication
Week six	The advantages of Agile Agile vs. Waterfall Agile vs. Lean Agile vs. PRINCE2
Week seven	What Is Agile Operations? Benefits of Agile IT operations 1. Better team integration 2. Fewer errors 3. Reduced costs 4. Increased productivity 5. Clear priorities
Week nine	CA
Week ten	CA correction
Week eleven	How to implement Agile IT operations How Wrike can help with Agile IT operations The Agile Software Development Life Cycle The six phases of the Agile life cycle 1. Concept 2. Inception 3. Iteration

Week twelve	A guide to Scaled Agile Framework The core values of SAFe Alignment Built-in quality Transparency Program execution
Week thirteen	The 10 principles of SAFe 1. Take an economic view 2. Apply systems thinking 3. Assume variability; preserve options 4. Build incrementally with fast integrated learning cycles
Week fourteen	5. Base milestones on an objective evaluation of working systems 6. Visualize and limit work in progress, reduce batch sizes, and manage queue lengths 7. Apply cadence, synchronize with cross-domain planning 8. Unlock the intrinsic motivation of knowledge workers
Week fifteen	9. Decentralize decision-making 10. Organize around value Benefits of SAFe Is SAFe right for your team? Agile portfolio management

Teaching mode	
1	Power point Lecture presentation
2	Questions/Answers
3	Group works

Assessment Criteria		
1	Continuous assessment	30%
2	Final Exam	70%

Recommended Text and Resources		
1	Books	W. Ambler and Matthew Holitza, 2012 , Agile for Dummies, IBM limited edition, Rob Cole and Edward Scotcher,2015 , agile project management A practical guide to using Agile, Scrum and Kanban, PEARSON
2	Websites	https://www.pmi.org/ https://www.agileprofessional.co.uk
3	Links	

DIDACTIC MATERIALS

Each student must have or be able to access a computer with minimum characteristics of 500 GB HDD 4GB RAM, a pdf reader.

A video projector with accessories, uninterrupted energy supply and internet access are needed facilities
White board markers and eraser should be available