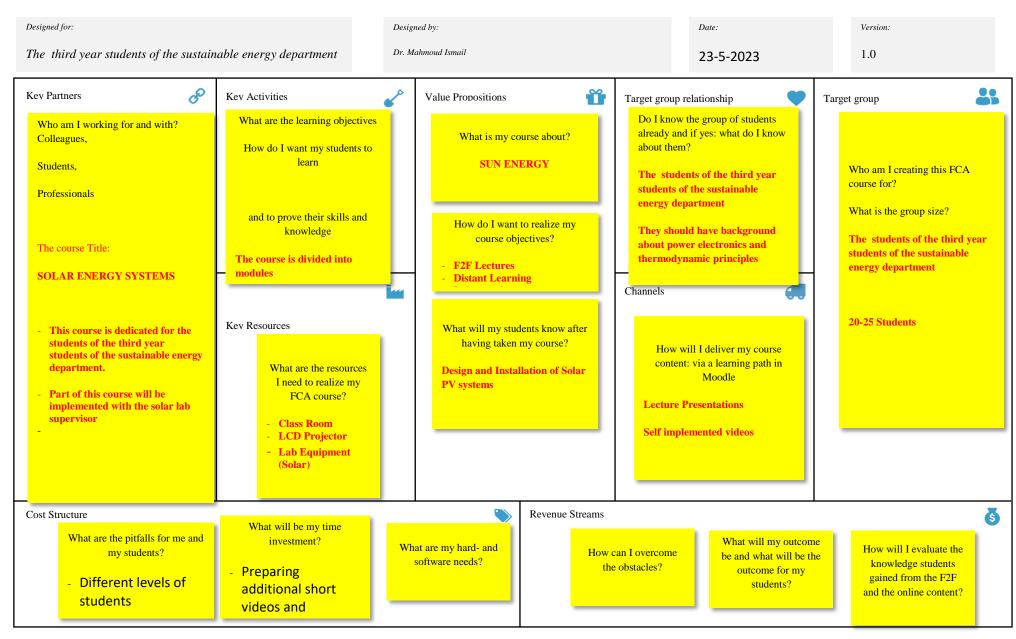






Flipped Course - Model Canvas







Flipped Course - Storyboard Canvas: Chart your course. Think about your objectives (what do you want to reach with your students → Bloom Taxonomy), your criteria of evaluation (how will you check this?) and your method of evaluation (how are you going to evaluate this?). How did you integrate Technology, Content, Pedagogy taking the Context into account → TPack

Designed for: The third year students of department	igned by: D r. Mahmoud Isma	il		Date:23-5-2023	Version:		
Description of the course SOLAR ENERGY SYSTEMS MODULE 1 : The Sun Constants and Parameters- F2F Module Proportion F2F and distance • 30 ~ distance • 30 - 70% distance learning • > 70% distance learning	Module Objective 1 Understand the main construction of our sun svstem Module Objective 2 Remember the sun parameters and constants (mass, radius, distance to earth, construction,)	Online course con	tent	Evaluation met Feedback Assessments Assignments	hod online content	Target group: The third year students of the sustainable energy department students	8 %
Group size o Small o Intermediate o Large	Module Objective 3 Apply the main equations to calculate the power emitted from the Sun Module Objective 4: Calculate the Sun constant Module Objective 5: Analyze the calculate result of the sun constant in comparison with the measured one.	F2F Module content All of the conte module is F2F	ent of this	Feedback Assessments Assignments - Ho cal	thod F2F content ome exercise to loulate the sun nstant for ferent days in a ar.		
Needs Class room LCD Projector		•	-	nodule scribe the sun fine the sun co	-		5





Module	F2F or @home	Estimated time
Module 1 Theory	@home	30 minutes
Module 2 Advantages and pitfalls	@home	20 minutes
Module 3 Get inspired	F2F (online or in class)	15' introduction 45' class discussion
Module 4 Types and needs	@home	10 minutes
Module 5 Learning paths and LMS	F2F (online or in class)	40 minutes theory 20 minutes peer learning
Module 6 Concept creation	F2F (online or in class)	60 minutes Models + preparing ideas for own concept
Model 6 bis Assignment: concept creation for an own FCA course	Chome	At own pace







