

Année Académique 2021-2022
1MG11 SYSTEMES DE PROPULSION HYBRIDES ET ELECTRIQUES
 Prof. P. Duysinx
 (20/09/2021)

Jour		Titre Leçon		Local
Mardi	21/09	AM	Organization – Introduction and environmental challenges – Selection of a powertrain	TEAMS
Mardi	28/10	AM	Selection of a powertrain	TEAMS
Mardi	05/10	AM	Powertrain architecture and transmission technologies	
Mardi	12/10	AM	Internal combustion engine and e-motor characterization	
Mardi	19/10	AM	Performance 1: Equation of motion, tractive forces, road loads	
Mardi	26/10	AM	Performance 2: Max speed, max slope, acceleration, energy consumption and emissions Début du projet : partie 1 (ICE)	
Mardi	02/11	AM	BYE – AUTOMN BREAK	
Mardi	09/11	AM	EV performance	
Mardi	16/11	AM	Batteries and energy storages for EV and HEV Projet : partie 2 (EV)	
Mardi	23/11	AM	Hybrid electric vehicles: architecture, components, energy management strategies	
Mardi	30/11	AM	Introduction to fuel cells and fuel cell vehicles	
Mardi	07/12	AM	Début des séances de laboratoire. Banc à rouleaux	
Mardi	14/12	AM	BYE	
Mardi	17/12	AM	Remise du projet et des devoirs	
			XMASS BREAK	