Syllabus

UE: **Erasmus : Digital Business Transformation** **Enseignante: Mme Soulef Khalfallah** **Département: Informatique de Gestion**	**Parcours: 1ère Business Computing** **Semestre : S1** **Volume horaire : 1h30 C 1h30 TD** **Crédit : 6** **Coefficient : 2**

Objectifs du cours:

In this course, we talk about digital transformation in two ways. First, we discuss the pace of this transformation and the imperative it creates for businesses. Next, we provide the context for this transformation and what it takes to win in the digital age.

It would initiate students to many technological and practical aspects that will be more deeply developed in subsequent modules

Compétences attendues :

This course would prepare students to contribute to digital transformation in companies. First, they should be able to introduce new technologies and manage disruption. Next, they should be able to establish new practices and raise peers awareness of these practices.

Plan du cours:

Semaine	Chapitres
1	Introduction : Why DBT and what is DBT
2	How Technology Changes Business
3	Knowledge management and AI
3	Cloud computing, IoT and API
4	Cloud computing, IoT and API
5	Data analytics overview & Big data
6	Data analytics overview & Big data : Decision Tree
7	Data analytics overview & Big data: PCA
8	Data analytics overview & Big data: Recommendation Systems
9	Cybersecurity, privacy and ethics
10	What is Open AI and Prompt engineering
11	ICT news: Quantum Computing
12	Free discussions

Mots clés :

Pré-requis :

Pédagogie d'enseignement :

Classical lecture + project + Videos discussion

Evaluation:

Type d'évaluation	% du Total de la note
Assiduité et participation	5%
Contrôle Continu	
Exam 1	40%
Exam 2	40%
Autres(projets, exposé, etc.)	15%

Ressources Bibliographiques

- **Référence principale**
  Les deux références sont des e.book mis à la disposition de l'étudiant par l'enseignant

1 – Polycope du Cours
2 – Des vidéos divers
3- Des livres de la bibliothèque