

Master 1 RTIC

Année Universitaire 2022-2023

Présentation du module

Traitement Multimedia et QoS

Responsable du Module

Dr Mehenni Tahar - Maître de Conférences

Objectifs de l'enseignement

- The course aims at providing students with theoretical and technical understanding on multimedia components and systems.
- The course covers contemporary, interactive multimedia technology systems, focusing on types, applications, and theories of operation.
- Basic technologies such as multimedia data representation, compression, retrieval and communication will be covered in an integrated manner.
- On the completion of the course, students should be able to understand the fundamental concepts and make critique to the technologies associated with various Qos rules defined in the network multimedia communication.

Contenu du module

- Introduction
- Multimedia Applications
- Types of Media
- Digital Image Definition
- Computer Graphics
- Digital Audio Definition
- Digital video definition
- Data Compression techniques
- Multimedia and QoS

Textbook et références

- **Textbook:**

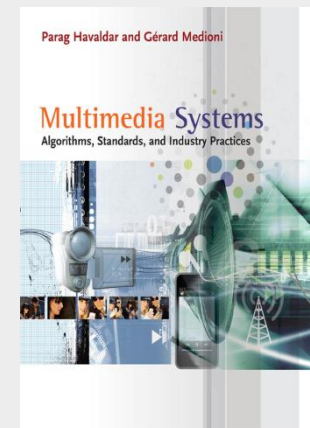
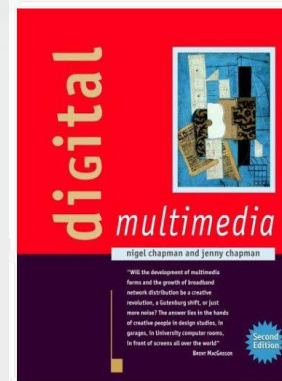
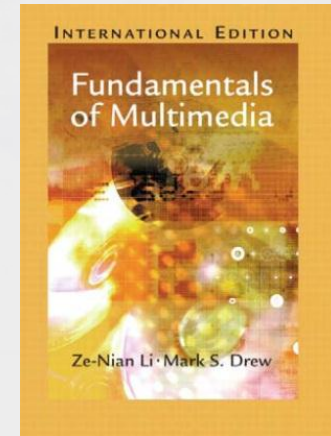
Fundamentals of Multimedia, Ze-Nian Li and S. Drew, Pearson Education, 2004.

- **Références:**

- *Digital Multimedia*

Nigel Chapman and Jenny Chapman, Wiley, 2000.

- *Multimedia Systems: Algorithms, Standards, and Industry Practices*, Parag Havaldar and Gérard Medioni, Course Technology, 2010.



Contenu du cours

- **Cours magistral:** Slides+Textbook
- **Travaux Dirigés**
- **Travaux Pratiques**
- **Projets:** œuvre d'art multimédia (par binômes)

Mode d'évaluation

- **TD: Assiduité+Interrogation (20%)**
- **TP: Projets:**
 - **Présentation du projet (20%)** (pour le groupe d'étudiants)
 - **Questions sur le projet (10%)** (individuellement)
- **Examen terminal: (50%)**

Questions ?

Si vous avez des questions ou des commentaires concernant le cours, n'hésitez pas à contacter:

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OK, Allons-y !