

Université de Jijel
Département d'informatique / Département de mathématique
Classes Licence 1

Course in Open Source Software

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Objectifs du cours

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Course schedule

- Weekly lesson

Assessment

- Final Term Exam

Course content

- **Chapter 1: Foundation of Information Technology**
 - Defining information technology
 - The Hardware-Software Paradigm
 - Key IT Applications
- **Chapter 2: The Open Source Paradigm: Philosophy, Tools, and Contribution**
 - Philosophy and History: Free vs. Open Source
 - The Legal Framework: Understanding Open Source Licenses
 - Advantages and Disadvantages of Open Source
 - The Practical Toolbox: An Overview
 - The Contribution Workflow: Making Your First Contribution

Course content

- **Chapter 3: Open Source Development in Practice**
 - Project Setup and Sustainable Management
 - Ensuring Quality: Testing and Continuous Integration
 - Deployment and DevOps Fundamentals
 - The Open Source Ecosystem and Sustainability