



Complements of Databases

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Teaching materials

<https://goo.gl/zXmtxv>



Goals of this course

- Understand and apply the models to manage semi-structured and unstructured data and the related query/search languages
- Understand and apply analytics techniques for structured data such as data warehousing and data mining



Contents

- Lectures
 - Models for structured, semi-structured and unstructured data
 - Limits of SQL and introduction to XQuery
 - Information retrieval systems
 - Data warehousing systems and data mining



Place and time

- As announced
- We can agree some changes



Course materials

Books

- A. Moller et al - Introduzione a XML - Addison Weley, 2007 ISBN: 9788871923734
- R. Baeza-Yates et al, Modern Information Retrieval - Addison Wesley, 1999 ISBN: 020139829
- P.N. Tan et al - Introduction to Data Mining - Financial Times Prentice Hall, 2019 ISBN: 9780273769224
- M. Golfarelli et al, Data Warehouse - Teoria e pratica della progettazione - McGrawHill, 2006 ISBN: 9788838662911
- Slides & Papers <https://goo.gl/zXmtxv>
- Project submission: <https://goo.gl/forms/Vq2fizYBBk4WYhly1>
- Project list: <https://goo.gl/WgSrrN>



Assessment methods

- Depth study to be presented on fixed dates.
- Students are required to register on Almaesami.
- Registration closes automatically 7 days before the exam date.



For further information

- **Always check the web page of the course** (it's always updated) before asking anything.
- **Do not send emails asking things like:**
 - when the office hours are hold? [See](#)
 - when (can) I talk to you? [See](#)
- Subscribe to the RSS feeds to be updated on office hours variations, etc.