

Introduction to the Course

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Course Description

- Module's name: **BUSINESS INTELLIGENCE SYSTEMS**
- Code: 504049
- Credits: 3 (3.0)
- Prerequisite: n/a

Syllabus Outline

- Introduction to Business Intelligence
- Data Warehousing
- Data Mining
- Data Preparation
- Data Exploration
- Regression
- Time Series
- Classification
- Clustering
- Association Rules
- Text and Web Mining

Textbooks

1. Ramesh Sharda, Dursun Delen, Efraim Turban, [2013], Business Intelligence: A Managerial Perspective on Analytics, 3rd Edition, Pearson, New Jersey.
2. Carlo Verrellis, [2009], Business Intelligence: Data Mining and Optimization for Decision Making, Wiley, New York.
3. Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani, [2013], An Introduction to Statistical Learning with Applications in R, Springer, New York.
4. Charu C. Aggarwal, [2015], Data Mining: The Textbook, Springer, New York.
5. Jiawei Han, Micheline Kamber, Jian Pei, [2012], Data Mining: Concepts and Techniques, 3rd Edition, Morgan Kaufmann, San Francisco.
6. M. Narasimha Murty, V. Susheela Devi, [2011], Pattern Recognition: An Algorithmic Approach, Springer, New York.

Textbooks - For Home

1. Anil K. Maheshwari, [2015], Business Intelligence and Data Mining, 1st Edition, Business Expert Press, LLC, NY, USA
2. Grossmann W., Rinderle-Ma S., [2015], Fundamentals of business intelligence, Springer

Course Materials

- You can find all lectures, tutorials, exercises, homeworks at:
 - SAKAI System – <http://sakai.it.tdt.edu.vn>
 - Homepage – <https://duonghuuphuc.com/teaching/cs504049>

Assessment

- 10% - Process Exercises
- 20% - Mid-term Exam (Open-book + 45 mins)
- 20% - Presentation
- 50% - Report

Contact

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