BIM 476: DATA ACQUISITION AND PROCESSING
SYLLABUS (TENTATIVE)

Instructor: Assist. Prof. Dr. Huseyin Polat
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TA: Cihan Kaleli, ckaleli@anadolu.edu.tr
Times: Thursday, 2:00-5:00PM
The Venue: B6
Text: Data Mining Concepts and Techniques, 2nd Edition, Jiawei Han and Micheline Kamber
Topics Covered: Introduction, Data Preprocessing, Data Warehouse and OLAP, Mining Frequent Patterns, Classification, Clustering, Prediction, Collaborative Filtering.
Assessment Process:
1st Midterm: 15%
2nd Midterm: 20%
Pop-up Quizzes & Assignments: 15%
Project: 10%
Final: 40% (75% of Final Exam Grade + 25% of Project Grade)
Honor Policy: Every student is expected to work alone unless explicitly mentioned. Each student is expected to behave ethically and honor every course requirement and policy: **do not cheat, plagiarize, or commit fraud.** Any student who fails to abide by the honor policy will **fail** the course and standard **faculty honor policy** will be applied (**3 to 6-month suspension**).
Late Policy: Overdue works will **not** be accepted.
Schedule:
1. **Week #1:** Introduction
2. **Week #2:** Project Discussion-Collaborative Filtering
3. **Week #3:** Data Preprocessing
4. **Week #4:** Data Preprocessing & Data Warehouse and OLAP
5. **Week #5:** Mining Frequent Patterns
6. **Week #6:** 1st Midterm
7. **Week #7:** Classification
8. **Week #8:** Classification & Clustering
9. **Week #9:** Clustering
10. **Week #10:** Prediction
11. **Week #11:** Privacy-Preserving Collaborative Filtering
12. **Week #12:** 2nd Midterm
13. **Week #13:** Final Coverage
14. **Week #14:** Project Presentations