



Benha University


Selected Topics in Computer Engineering

ECE 344C

Computer Systems Engineering
Electrical Engineering Department



Faculty of Engineering
(at Shoubra)

Course Title: Selected Topics in Computer Engineering
Course Code: ECE 344C
Instructor: Dr. Islam ElShaarawy
Main Textbook: Ian H. Witten, Eibe Frank, and Mark A. Hall. *Data Mining: Practical Machine Learning Tools and Techniques*. 3rd Edition, Morgan Kaufmann, 2011, ISBN 978-0123748560.
Other Resources: <http://www.cs.waikato.ac.nz/~ml/weka/index.html> 

Course Contents:

1. What's it all about?
2. Input: Concepts, instances, attributes
3. Output: Knowledge representation
4. Algorithms: The basic methods
5. Credibility: Evaluating what's been learned
6. Implementations: Real machine learning schemes
7. Data Transformations
8. Ensemble Learning
9. Moving on: Applications and Beyond

Attendance Policy:

1. Attendance is expected.
2. Whether you attend or not, you are responsible for keeping track of whatever happens during the lectures and the tutorials.
3. Side talking, cellphones, laptops, food/drinks, and walking¹ are not allowed.



Grading System:

Attendance²:	00
Assignments:	10
Quizzes:	10
Midterm Exam:	15
Project:	15
Final Exam:	100

¹ If you are late for the lecture, then you are allowed to walk into the lecture hall but quietly.

² Attendance will be taken anyway.