

Faculty of Engineering & Technology

Analysis and Design of Algorithms

Information :

Course Code : EED461

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Computer & Intelligent Systems Engineering

Instructor Information :

Title	Name	Office hours
Professor	Gamal Abdel Shafy Ibrahim AlAzab	1
Teaching Assistant	Omar Ahmed Saeed Elsayed	

Description :

This is an intermediate algorithms course with an emphasis on teaching techniques for the design and analysis of efficient algorithms. Emphasizing methods of application. Topics: Divide-and-conquer, Randomization, Dynamic programming, Greedy algorithms, Incremental improvement, Complexity, and Cryptography. We will focus on studying basic algorithms at a finer level of detail and more advanced algorithms and data structures.