

**Faculty of Engineering & Technology**

**Analysis and Design of Algorithms**

**Information :**

**Course Code :** EED461

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** computer

**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.