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| <b>Department:</b>        | Faculty of Information Technology   |
| <b>Course Name</b>        | Analysis and Design of Algorithms   |
| <b>Hours per week</b>     | 3   |
| <b>Number of Credits</b>  | 3   |
| <b>Course Description</b> | To design algorithms and give its complexity analysis is the core of computer science. The contents of this course mainly include: dynamic programming, greedy methods, divide and conquer, searching techniques, parallel algorithm, searching and sorting, and NP theory. |