

<b>Department:</b>	Faculty of Information Technology
<b>Course Name</b>	Principles of Compilers
<b>Hours per week</b>	3
<b>Number of Credits</b>	3
<b>Course Description</b>	<p>This course is to introduce the basic concepts and techniques of compiler as language processor to students who have reasonable knowledge in programming. It covers specification of programming language, lexical analysis, syntactic analysis, semantic analysis, run-time organization, code generation, and interpretation.</p> <p>By the end of the course, students are expected to get a good understanding of the key components and their functions of a compiler. They will also gain practical experience of the entire processing for a compiler to translate the source code written in its corresponding higher-level language to three-address code through a project of development of a tiny compiler system.</p>