

100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	密碼學	Serial No. / ID	1152 / IFR5007
Dept.	資訊工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	張世旭	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)678 / H713	Language	Chinese

Introduction
<p>This course gives an introduction to the basic theory and practice of cryptographic techniques used in computer security. The students will realize the following important topics: Number theory, Symmetric Cryptosystem (DES, Triple DES, AES), Public-key Cryptosystem (DH,RSA,DSS), Hash function, digital signature, and SET.</p>

Outline
<ol style="list-style-type: none">1. Introduction2. Number theory3. symmetric cipher4. asymmetric cipher5. Hash function6. Signature7. SET and PGP

Prerequisite
algorithm and Fundamental Mathematics.