وَزَارَةُ التَّعْلِيمِ العَالِي وَالبَحْثِ الْعِلْمِيّ

جَامِعَةُ الأَنبَار

إِكلِّيَةٌ عُلُومِ الحَاسُوبِ وَتَكنُولُوجِيا المَعلُومَاتِ

قِسْمُ انظِمَةِ شَبَكَاتِ الحَاسُوبِ

إِكلِّيَةٌ عُلُومِ الحَاسُوبِ وَتَكنُولُوجِيا المَعلُومَاتِ

Department of Computer Networks Systems
Course Description Form

Course Title: Information Security

Course Code:

Semester: I

Level: B.Sc.

Class: 4th

Academic Year: 2022/2021

Course Instructor: Dr. Sufyan T. Faraj Al-Janabi

Academic status: Professor

Place of work: CCS&IT, University of Anbar

Credit Hours: 2

Instructor Office Hours: Sunday & Wednesday [10 am-1pm]
E-mail (Official): _sufyan.aljanabi@uoanbar.edu.iq_

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Ministry of Higher Education & Scientific Research

University of Anbar

**College of Computer Science
and Information Technology**

Computer Networks Systems Department

وَزَارَةُ التَّعْلِيمِ العَالِي وَالبَحْثِ العِلْمِيّ

جَامِعَةُ الأنْبَارِ

إِكْلِيَّةُ عُلُومِ الحَاسُوبِ وَتِكْنُولُوجِيا المَعْلُومَاتِ

قِسْمُ انْظِمَةِ شَبَكَاتِ الحَاسُوبِ

إِكْلِيَّةُ عُلُومِ الحَاسُوبِ وَتِكْنُولُوجِيا المَعْلُومَاتِ

2. Lecture Schedule:

Weeks	Topics
Week 1	Introduction
Week 2	Information Security Models
Week 3	Classical Encryption Techniques I
Week 4	Statistical Attacks
Week 5	Classical Encryption Techniques II
Week 6	Block Ciphers
Week 7	The Data Encryption Standard
Week 8	DES Security
Midterm Exam	
Week 9	Mathematical Foundation
Week 10	Group Theory
Week 11	Rings and Fields
Week 12	Modular Arithmetic
Week 13	Prime Finite Fields
Week 14	Using Block Ciphers in Real-Word Systems
Week 15	Modes of Operation