



Flow up of implementation cell pass play

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|--------------------|--|------------|------------|---------|------------|
| Course Instructor | Ass. Prof Naji Mutar | | | | |
| E-mail | Naji_alsahab@yahoo.com | | | | |
| Title | Computing Security (II) | | | | |
| Course Coordinator | Study the methods of cipher and how to protect the computer from viruses | | | | |
| Course Objective | Introduction and terminology, Preliminary cryptographic techniques, Public Key cryptosystems, Autheudication | | | | |
| Course Description | An introduction to computer security | | | | |
| Textbook | Secure computer and network | | | | |
| Course Assessments | Term Tests | Laboratory | Final lab. | Project | Final Exam |
| | As(30%) | As(10%) | As(10%) | - | As (50%) |
| General Notes | | | | | |

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: Fourth

Lecturer name: Naji Mutar

Qualification: Ass.Prof.

Place of Work: Diyala

university College: Science college

The Ministry of Higher Education &
Scientific Research



Course Weekly Outline

| Week | Date | Topes Covered | Lab. Experiment Assignments | Notes |
|------|-----------|----------------------------------|-----------------------------|-------|
| 1 | 28/1/2015 | One time pad | | |
| 2 | 4/2/2015 | DES | | |
| 3 | 11/2/2015 | Create 16 sub keys | | |
| 4 | 18/2/2015 | Encode each 64 bit block of data | | |
| 5 | 25/2/2015 | DES mode operation | | |
| 6 | 3/3/2015 | The decryption process | | |
| 7 | 10/3/2015 | Weakness of DES | | |
| 8 | 17/3/2015 | Modular arithmetic | | |
| 9 | 24/3/2015 | Number theory | | |
| 10 | 31/3/2015 | Knapsack algorithm | | |
| 11 | 7/4/2015 | RSA | | |
| 12 | 14/4/2015 | Diff Halman | | |
| 13 | 28/4/2015 | Knapsack | | |
| 14 | 5/5/2015 | Authentication | | |
| 15 | 12/5/2015 | Stream cipher | | |
| 16 | 26/5/2015 | Linear feed back | | |

Instructor Signature:

Dean Signature: