Menoufiya University
Faculty of Computers and Information
Department of Computer Science

جامعة المنوفية
كلية الحاسبات والمعلومات
قسم علوم الحاسب

Annual Course Report

(OPERATING SYSTEM-2)

A- Basic Information

1- **Title and Code** — Operating System-2 / CS434

2- **Programme(s) on which this course is given** — Computer Science

3- **Academic year / Level of programme** — 4th year - 1st semester

4- **Units/Weekly hours**

Lecture 3   Tutorial/Practical 3   Total 6

5- **Names of lecturers contributing to the delivery of the course**

1- Dr. Arabi El-Said Keshek.

Course co-ordinator: Dr. Arabi El-Said Keshek.
External evaluators: Not assigned yet

B- Statistical Information

No. of students attending the course: No. 31   % 100

No. of students completing the course: No. 31   % 100

Results:

Passed: No. 31   % 100   Failed: No. 0   % 0

Grading of successful students:

Excellent: No. 1   % 3   Very Good: No. 4   % 13

Good :   No. 6   % 19   Pass: No. 20   % 65

C- Professional Information

1- Course Teaching

	Topics actually taught	No. of hours	Lecturer
1	**Linux Essentials** • Introduction. • Differences in Linux and UNIX. • Operating Systems Overview.	3	Dr. Arabi El-Said Keshek
2	**Linux Installation** • Install Steps. • Hardware Requirements • Linux Device Names. • Partitioning the Hard Drive. • Network Settings. • Language Support. • Packages to Install. • Graphical Interface Configuration. • First Boot following Installation.	12	Dr. Arabi El-Said Keshek
3	**Linux Utilization** • Introduction. • Login Screens. • Linux Resources. • Types of Commands. • Processes. • Linux communications.	6	Dr. Arabi El-Said Keshek
4	**Linux File System.** • Introduction • Types of Files • File Systems Characteristics. • File System Commands. • Directory Commands. • File Manipulation Commands.	6	Dr. Arabi El-Said Keshek
5	**Linux Text Editing** • Editing Modes. • Entering & Exiting VI. • Navigating within VI. • Creating Text. • Modifying Text. • Text Substitution. • VI Shortcuts. • VI Options.	6	Dr. Arabi El-Said Keshek
6	**Linux Shell** • Shell Overview. • Shell Functions. • Shell Variables. • I/O Redirection. • Pipes. • User Environment.	12	Dr. Arabi El-Said Keshek
7	**Shell Programming** • Creating a Shell Program. • Executing the Shell Program. • Comments.	12	Dr. Arabi El-Said Keshek

	• Debugging Shell Programming. • Functions. • Aliases. • Conditional Testing. • IF Statement. • Looping.		
8	**Linux Utilities** • Regular Expressions. • Printing File Information. • Extracting Information. • Translating Information. • Counting Words. • File Differences. • Finding Files.	6	Dr. Arabi El-Said Keshek
9	**Network Commands** • Ping Command. • Telnet Command. • FTP Command.	6	Dr. Arabi El-Said Keshek
10	**Devices Derivers** • Introduction. • Kernel module. • Character device deriver. • Block device deriver. • File system driver • System calls • Network Drivers. • Register and unregistered device.	15	Dr. Arabi El-Said Keshek

Topics taught as a percentage of the content specified:

>90 % [√]   **70-90 %** [ ]   **<70%** [ ]

2- Teaching and Learning Methods:

Lectures: [√]

Practical Training/ Laboratory: [√]

Seminar/Workshop: [√]

Class Activity: [√]

Case Study: [√]

Other Assignments/Homework: [ ]

3- Student Assessment:

Method of Assessment	Percentage of total
Written examination	60

Oral examination	10
Practical/laboratory work	10
Other Assignments/class work	20
Total	100 %

Members of Examination Committee:
Dr. Arabi El-Said Keshek
Mr. Mohamed El-Menshawy

Role of external evaluator:
External evaluator not assigned yet.

4- Facilities and Teaching Materials:

Totally adequate	☐
Adequate to some extent	√
Inadequate	☐

5- Administrative Constraints

1- Needs funds to get license for other operating systems like Solaris, Unix, Linux
2- Needs maintenance team to maintain lab.

6- Student Evaluation of the course: Response of Course Team

Need training in Unix and   Talking with administration
Linux   about its licenses

7- Comments from external evaluator(s): Response of Course Team

External evaluator not assigned yet. .   None

8- Course Enhancement:

Progress on actions identified in the previous year's action plan:
This is the first year and no previous action Plan**.**

Role of external evaluator:
External evaluator not assigned yet

9- Action Plan for Academic Year 2006 – 2007

Actions Required	Completion Date	Person Responsible
Try to develop Devices Derivers for Linux	2007	Mr. Mohamed El-Menshawy

Course Coordinator: Dr. Arabi El-Said Keshek

Signature:

Date: /