

## Templates for Annual Course Reports

**University:** El Fayoum      **Faculty:** Computers and Information Systems  
**Department:** Information System

### Course Report

#### A- Basic Information

**1. Title and code:** Data Structures - INF 270

**2. Programme(s) on which this course is given:** B.Sc degree in Computer Science

**3. Year/ Level of programmes:** Second year – Second term

**4. Units/Credit hours:** 3 hrs/ week

Lectures Tutorial/Practical Total: 5 hrs/ week

#### 5. Names of lecturers contributing to the delivery of the course

i ...Dr. Hala Abdel Hameed.....

ii ...Eng. Esraa Elhariri.....

iii ...Eng Mohamed Bader.....

Course co-ordinator Eng Esraa Elhariri .....

External evaluator ...---.....

#### B- Statistical Information

No. of students attending the course: No. 95 %

No. of students completing the course: No. 87 87.6%

#### Results:

Passed: No. 83----87.5 %      Failed: 12 No. 12.5 %

#### Grading of successful students:

Excellent: No. 3      3.2 %      Very Good:No. 14      14.7 %

Good: No. 16      16.8 %      Pass: No. 42.      44.2 %

**C- Professional Information****1 – Course teaching**

<b>W</b>	<b>Topics actually taught</b>	<b>No. of hours</b>	<b>Lecturer</b>
<b>1</b>	1. Abstract Data Types (ADT). Stacks: Definition and operations,	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>2</b>	2. Abstract Data Types (ADT). Stacks: Definition and operations.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>3</b>	3. Queues: Definitions,	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>4</b>	4. Implementation of circular queues, applications of queues.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>5</b>	5. Linked lists: Singly linked lists, linked stacks,	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>6</b>	6. linked queues, doubly linked lists, Application of linked lists.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>7</b>	<b>Mid Term</b>		
<b>8</b>	7. Tree structures, binary trees: binary tree traversals, binary tree search.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>9</b>	8. Searching Definitions, sequential search.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>10</b>	9. Sorting: Definitions, insertion sort, selection sort.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>11</b>	10. Hashing: Hash functions, perfect Hash functions	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>12</b>	11. Implementation of stacks with array and records, applications of stacks.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>13</b>	12. Tree structures, binary trees: binary tree traversals, binary tree search.	<b>5</b>	<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>14</b>	13. Practical Exam		<b>Dr. Hala Abdel Hameed + Lecturer Assistants</b>
<b>15</b>	14. Final Exam		

**Topics taught as a percentage of the content specified:**

>90 %      70-90 %      <70%

**2- Teaching and learning methods:**

Lectures:

Practical training/ laboratory:

Class activity:

Case Study:

Other assignments/homework:

**3- Student assessment:**

Method of assessment	Percentage of total
Written examination	65%
Practical/laboratory work	15%
Other assignments/class work	10%
Total	100%

Members of examination committee

**Dr. Hala Abdel Hameed + Lecturer Assistants**

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Role of external evaluator

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**4- Facilities and teaching materials:**

Totally adequate

**5- Administrative constraints**

List any difficulties encountered

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**6- Student evaluation of the course: Response of course team**

List any criticisms

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**7- Comments from external evaluator(s): Response of course team**

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**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

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**9- Action plan for academic year 200X – 200Y**

**Actions required      Completion date      Person responsible**

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**Course coordinator:**

**Signature: Hala Abdel Hameed**

**Date: //**