

# **Annual Course Report**

(Computer operations)

# **A-Basic Information**

1 Title and Code				Computer operations - CSE 16		
2 Program	n(s) on v	which this course is given		CSE		
3 Academic year / Level of program				1 <sup>st</sup> year / 1 <sup>st</sup> Semester		
4 Units/W	eekly h	ours				
Lecture	2	Tutorial/Practical	3	Total	5	

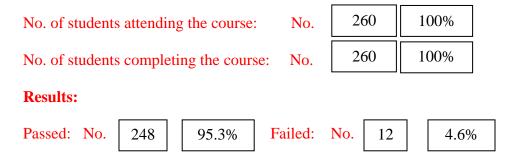
## **5** Names of lecturers contributing to the delivery of the course

Dr. Gamal M. Attiya

Course coordinator: Dr. Gamal M. Attiya

External evaluators: Prof. Fawzy Tork

# **B-** Statistical Information



## Grading of successful students:

Excellent: No.	92	35.38%	Very Good: No.	48	18.5%
Good: No.	30	11.5%	Pass: No.	78	30%

# **Professional Information**

## 1. Course Teaching

Content Topics	No of hours	Lecture	Tutorial/ Practical	Achieved ILOs
Basic Data Structures - Abstract Data Structures -	5	2	3	d4, a2
Recursive Algorithms - Complexity Analysis - Sorting Algorithms - Searching Algorithms –	10	4	6	d1, d4, c1, b2, a2, a5
Introduction to versions and characteristics of Windows - Other tools of Visual Programming. Using Microsoft Developer Studio -	10	4	6	d1, d4, c15, b2, b3, a5, a13
Graphical User Interface (GUI) -	5	2	3	d1, d4, c15, b2, b8, a8, a13
Introduction to object-oriented programming in C++ Principles of OOP	5	2	3	d4, d9,c15, b3, b8, a5, a8
- Structures and classes Motivation for classes –	10	4	6	d1, d9, c15, b2, b3, a2, a8
Scope resolution operator - Memory management -	5	2	3	d4, d9, c1, c15, b3, b8, a2, a13
Modular design and encapsulation - Windows Programming versus C++ WP as a kind of OOP.	5	2	3	d1, d4, c15, b2, b8, a5, a13
Introduction to Visual C++ and Microsoft Foundation Classes (MFC).	5	2	3	d9, c1, b8, a15
Total sum	60	24	36	

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

<u>>90 %</u>

70-90 %

<70%

2. Teaching and Learning Methods:

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Lectures:	$\checkmark$
Practical Training/ Laboratory:	
Seminar/Workshop:	
Class Activity:	$\checkmark$

Case Study:	$\checkmark$
Other Assignments/Homework:	٦

#### 3. Student Assessment:

Method of Assessment	Percentage of total
Class tutorial and quizzes:	5 %
Mid-term examination:	10 %
Case study and/or practical exam:	10 %
Final – term examination:	70 %
Other types of assessment:	5 %
Total	100 %

#### Members of Examination Committee:

Prof. Dr. Nawal Ahmed El-Fishawy Dr. Gamal M. Attiya

#### **Role of external evaluator:**

The external evaluator was not effectively involved in the student examination assessment in the last academic year.

#### 4. Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	

Inadequate

$\checkmark$	

#### 5. Administrative Constraints

• Insufficient class room.

#### 6. Student Evaluation of the course:

- Lack of practice problems and exercises

#### 7. Comments from external evaluator(s):

Response has not received.

#### **Response of Course Team**

- An extra exercises and solved problems are added to the Tutorial of the course.

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Quality of Teaching and Learning	Students attendance at lecture are not very good	- Engagement of students from different academic years to the curriculum development	- Faculty - Department	2013
Course content	Gap between up-to-date information and reference text books	<ul> <li>add more examples.</li> <li>add small task projects mainly for real world problem solving.</li> </ul>	Course coordinator	2013

## 8. Action Plan for Academic Year 2012 – 2013

## Course Coordinator: Dr. Gamal M. Attiya

# Signature:

Date: / /