



Annual Course Report

(COMPUTER GRAPHICS)

A- Basic Information

- 1- Title and Code Computer Graphics / CS333
- 2- Programme(s) on which this course is given Computer Science
- 3- Academic year / Level of programme 3rd year / 2nd semester
- 4- Units/Weekly hours

Lecture Tutorial/Practical Total

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. %

No. of students completing the course: No. %

Results:

Passed: No. % Failed: No. %

Grading of successful students:

Excellent: No. % Very Good: No. %

Good : No. % Pass: No. %

C- Professional Information

1- Course Teaching

Topics actually taught	No. of hours	Lecturer
1 Introduction	6	Dr. Arabi El-Said Keshek
2 Concepts, Terms and Definitions <ul style="list-style-type: none"> • Introduction • Low Level Concepts. • 2D Drawing. 	6	Dr. Arabi El-Said Keshek
3 A First Graphics Program <ul style="list-style-type: none"> • The Features of a Simple Graphics Program. • Organizing your Work for Java. • Graphics Primitives. 	6	Dr. Arabi El-Said Keshek
4 Graphics Primitives <ul style="list-style-type: none"> • Introduction. • Drawing Straight Lines Algorithms. <ul style="list-style-type: none"> – Digital Differential Analysis. – Bresenham's Algorithm for Lines • Drawing Circles Algorithms. <ul style="list-style-type: none"> – Digital Differential Analysis. – Bresenham's Algorithm for Circles. 	12	Dr. Arabi El-Said Keshek
5 Data Structures and Drawing <ul style="list-style-type: none"> • The Basic 2D data Structure. • Adding Methods. • The Completed System. • The Dry Run • Further Methods. 	12	Dr. Arabi El-Said Keshek
6 2D Transformations <ul style="list-style-type: none"> • Translation • Rotation around the Origin. • Scaling. • Rotation around the Local Origin. 	6	Dr. Arabi El-Said Keshek
7 Transformations as Matrices <ul style="list-style-type: none"> • Rotation • Scaling • Translation • Homogenous Rotation, Scaling & Translation • Implementing Matrices. 	6	Dr. Arabi El-Said Keshek
8 Simple Animation and Interaction <ul style="list-style-type: none"> • Introduction. • Drawing Changes. • Continuous Animation. • Animation Changes. 	6	Dr. Arabi El-Said Keshek
9 Curves <ul style="list-style-type: none"> • Introduction. 	12	

<ul style="list-style-type: none"> • Parametric Equations. • Splines. • Bezier Curves. • Other Curves. • The Co-existence of Multiple Kinds of Lines. 		Dr. Arabi El-Said Keshek
<p>10 3D Graphics</p> <ul style="list-style-type: none"> • Introduction. • Implementing 3D. • Projections – Viewing 3D on a Flat Screen. • Implementing 3D – The Data Model 	12	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
Assistance Lecture: 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

- Needs more funds to prepare a special lab for computer graphics courses.

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

-Add some chapters about openGl and how to use it in computer graphics. -Add this request to next years action plan

-Extra time in lab to implement their exercises -Tell administration about this request an it under revision

7- Comments from external evaluator(s):

External evaluator not assigned yet. .

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
Using Other Language such as OpenGL to Drawing Objects.	2007	Mr: Mohamed El-Menshawy

Course Coordinator: Dr. Arabi El-Said Keshek

Signature:

Date: / /

