



Annual Course Report

(COMPUTER LANGUAGE-1)

A- Basic Information

- 1- Title and Code Computer Language-1 / CS344
- 2- Programme(s) on which this course is given Computer Science
- 3- Academic year / Level of programme 3rd year -1st Semester
- 4- Units/Weekly hours

Lecture Tutorial/Practical Total

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

1-Prof. Nabil Abd El-Wahed

Course co-ordinator: Prof. Nabil Abd El-Wahed.

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 <ul style="list-style-type: none"> • Primitive Data Types and Operations. • Control Statements. • Methods. • Arrays. • Strings. • A simple Java Program. 	12	Prof. Nabil Abdel Wahed
2 Objects and classes <ul style="list-style-type: none"> • Introduction. • Defining Classes for objects. • Constructing Objects using Constructors. • Accessing Objects via Reference Variables. • Visibility Modifiers, Accessors and Mutators. • Passing Objects to Methods. • Static Variables, Constants and Methods. • The Scope of variables. • The <i>this</i> keyword. • Array of Objects. • Case Study: The Loan class. • Inner Classes. 	6	Prof. Dr. Nabil Abdel Wahed
3 Inheritance and Polymorphism <ul style="list-style-type: none"> • Introduction. • Super classes and Subclasses. • Using the keyword super. • Overriding Methods. • Polymorphism, Dynamic Binding and Generic Programming. • Casting Objects and instance of Operator. • The protected Data and Methods. • The final Classes, Methods and variables. 	6	Prof. Dr. Nabil Abdel Wahed
4 Abstract Classes and Interfaces <ul style="list-style-type: none"> • Introduction. • Abstract Classes. • Interfaces. • Processing Primitives Data Type Values as Objects. • Automatic Conversion between Primitives Types and Wrapper Class Types. 	6	Prof. Dr. Nabil Abdel Wahed
5 Object-Oriented Modeling <ul style="list-style-type: none"> • Introduction • The software Development Process. • Discovering Relationships among Classes. • Case Study: A Class Design Example. • Case Study: The Rational Class. 	6	Prof. Dr. Nabil Abdel Wahed

<ul style="list-style-type: none"> • Framework-Based Programming using Java API. 		
6 Getting Started with GUI Programming <ul style="list-style-type: none"> • Introduction • GUI Components. • The Java GUI API. • Frames. • Layout Managers. • The Color Class. • The Font Class. • Drawing Graphics on Panels. • Case Study: MassagePanel Class. • Case Study: The StillClock Calss 	6	Prof. Dr. Nabil Abdel Wahed
7 Event-Driven Programming <ul style="list-style-type: none"> • Introduction. • Event and Event Source. • Listeners, Registrations and Handling Events. • Mouse Events. • Keyboard Events. • The Timer Class. 	6	Prof. Dr. Nabil Abdel Wahed
8 Creating User Interfaces <ul style="list-style-type: none"> • Introduction • Common Features of Swing GUI Component. • Buttons. • Check Boxes. • Radio Buttons. • Labels. • Text Fields. • Text Areas. • Combo Boxes. • Lists. • Scroll Bars. • Sliders. • Creating Multiple Windows. 	6	Prof. Dr. Nabil Abdel Wahed
9 Applets, Images and Audio <ul style="list-style-type: none"> • Introduction. • The Applets Class. • The JApplets Class. • The HTML File and the <applet>Tag. • Passing Strings to Applets. • Case Study: Tic Tac Toe. • The URL Class. • Displaying Images. • Case Study: The ImageViewer. • Playing Audio. 	6	Prof. Dr. Nabil Abdel Wahed
10 Exceptions <ul style="list-style-type: none"> • Introduction. • Exceptions and Exception Types. • Understanding Exception Handling. • Rethrowing Exceptions. • The finally Clause. • When to use Exceptions. • Creating Custom Exception Classes. 	6	Prof. Dr. Nabil Abdel Wahed
11 Simple Input and Output <ul style="list-style-type: none"> • Introduction. 		Prof. Dr. Nabil

<ul style="list-style-type: none"> • The File Class. • How is I/O Handled in Java? • Text I/O. • Case Study: Text viewer. • Binary I/O. • Case Study: Copy File. • More on Text Files and Binary Files.The Hard Disks • Floppy disk drives • Compact disk drives • DVD and DVD players 	6	Abdel Wahed
12 Containers, Layout Managers and Borders <ul style="list-style-type: none"> • Introduction. • Swing Containers Structures. • Layout Managers. • Creating Custom Layout Manager. • JScrollPane. • JTabbedPane. • JSplitPane. • Swing Borders. 	6	Prof. Dr. Nabil Abdel Wahed
13 Menus, Toolbars, Dialog and Internal Frames <ul style="list-style-type: none"> • Introduction. • Menus. • Popup Menus. • JToolBar. • JOptionPane Dialogs. • Creating Custom Dialog. • JColorChooser. • JFileChooser. • Creating Internal Frames. 	6	Prof. Dr. Nabil Abdel Wahed

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:
 Prof. Dr. Nabil Abdel Wahed
Assistance Lecture: Mohamed El-Menshawy
 Eng. Tamer fathy

Role of external evaluator:
 External Evaluator not assigned yet

4- Facilities and Teaching Materials:

Totally adequate	<input type="checkbox"/>
Adequate to some extent	<input checked="" type="checkbox"/>
Inadequate	<input type="checkbox"/>

5- Administrative Constraints

No administrative Constrains.

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

Add other concepts to the course about Servlets, JSP	That will covered in next Programming Course Second term
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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 2005 – 2006

Actions Required	Date	Completion	Person Responsible
To give student more programming projects to increase their experience in programming.		2007	Mohamed El-Menshawy Mr. Tamer Fathy

Course Coordinator: Prof. Nabil Abd El-Wahid Ismail

Signature:

Date: