1- Course Data

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Course Title:</th>
<th>Academic Year/Level:</th>
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<tbody>
<tr>
<td>CS 210</td>
<td>Web Programming and Internet</td>
<td>Second level (First semester)</td>
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<tr>
<th>Specialization:</th>
<th>No. of Instructional Units:</th>
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<tbody>
<tr>
<td>Computer Science</td>
<td>Lecture 2 Lab 3</td>
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2- Course Aim

- This course is designed to encourage in students a sense of interest for Web Design and its application in different contexts
- Provide a solid foundation in the major areas of Networks and Internet
- Provide education and training of high quality in web Design

3- Intended Learning Outcome

a1. Describe the main concepts, definitions of web Design
a2. Review theories and concepts used in web Design
a3. Identify an understanding of the contribution and impacts of web Design in scientific, social, economic, environmental, political and cultural terms.

a4. The basic syntax and semantic analysis of web markup languages
a5. The basic data types for all web design languages
a6. The animation, security and networks concepts
### b- Intellectual Skills

1. Manipulate and apply appropriate theories, principles and concepts relevant to web Design.
2. Critically assess and evaluate the literature within the field of web Design.
3. Deduce and interpret information from a variety of sources relevant to web Design.

### c- Professional Skills

1. Plan, design and execute practical activities using techniques and procedures appropriate to web Design.
2. Execute a piece of independent research using web, computer media and techniques.

### d- General Skills

1. Develop appropriate effective written and oral communication skills relevant to the specific course of web Design.
2. Demonstrate the ability to work effectively as part of a group.
3. Solve problems relevant to web Design using ideas and techniques some of which are at the forefront of the discipline.
4. Solve problems relevant to applications in real life in computer science using old and new languages some of which are at the forefront of the discipline.

### 4- Course Content

- Design and implementation of web language interpreter.
- Network topologies.
- OSI model.
- TCP/IP model.
- Client/server model.
- Network and web security.
- Static and dynamic web pages.
- HTML / XML.
- PHP.
- Java script.
- Application and projects.
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<tr>
<td><strong>5- Teaching and Learning Methods</strong></td>
<td>Lecturers – Home works - Oral discussion - Quizzes</td>
</tr>
<tr>
<td><strong>6- Teaching and Learning Methods for Students with Special Needs</strong></td>
<td>NONE</td>
</tr>
<tr>
<td><strong>7- Student Assessment:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>a- Procedures used:</strong></td>
<td>Lecturers – tutorials- homework – oral discussion - Quizzes</td>
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| **b- Schedule:** | Mid-Term exam… .... Week 10  
Final exam …………….. Week 17 |
| **c- Weighing of Assessment:** | Term work (exam + home works) 20%  
Lab exam 10%  
Oral exam 10%  
Final exam 60% |
| **8- List of References:** | Concepts of Computer Networks, J. Sebasta  
Web Design principles |
<p>| <strong>a- Course Notes</strong> | Course notes provided by the Faculty member of Computer Science Division, Math department, to be handled at the beginning of the semester. |</p>
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<tr>
<td>b- Required Books (Textbooks)</td>
<td>Concepts of Computer networks, J. Sebasta</td>
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<td>c- Recommended Books</td>
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<td>d- Periodicals, Web Sites, ..., etc.</td>
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**Course Instructor:** Dr. Yasser Fouad  
**Head of Department:** Prof. Dr. Mahmoud El-Alem.  
**Date:** 1/10/2010