Introduction

Digital Signal Processing

Course Syllabus

Instructor: Dr. Ammar Abu-Hdrouss, Room: B 231, telephone extension: 2873
Office hours: 11 AM to 1 PM, Monday and Wednesday, other times by appointment via e-mail.
E-mail: ahdrouss@iugaza.edu, amarh5555@yahoo.com

Don’t call me on my mobile; use e-mail instead
Course Syllabus

Teaching Assistants:
Eng. Manhal Abu Safar
Eng. Doaa’ Jaber

Class Meetings:
(late students will not be admitted to the class)
Group 201: 8:00-9:00, Sat, Mon and Wed, L419.
Group 102: 9:00-10:00, Sat, Mon and Wed K501.
Group 101: 13:00-14:00, Sat, Mon and Wed K402.

Text Book

References
Course Syllabus

Course Content:

- Analogue to digital conversion
- The sampling theorem
- Z-transform
- Introduction to analogue filters.
- Design and implementation of digital filters
- Discrete Fourier Transform (DFT)
- Fast Fourier Transform (FFT) algorithms
- Design and implementation of digital filters
- Representation of digital systems

Grading Policy

The final course grade will be distributed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework and quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Design Project</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm exam</td>
<td>30%</td>
</tr>
<tr>
<td>Final exam</td>
<td>45%</td>
</tr>
</tbody>
</table>

Plagiarism will not be tolerated at any case. Copying homework from your colleagues or project from any source will lead to severe consequences.