

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Baghdad university
2. University Department/Centre	Faculty of Engineering/ Biomedical Engineering Department
3. Course title/code	Digital Electronic Engineering
4. Programme(s) to which it contributes	BSc. in Engineering
5. Modes of Attendance offered	Weekly attendance
6. Semester/Year	Academic Semester
7. Number of hours tuition (total)	30hrs. Theoretical
8. Date of production/revision of this specification	
9. Aims of the Course	
<p>The course will introduce basic digital Electronics, concepts, including: devices, network, architecture, reference, models, layering, service, interface, multiplexing, switching and standards. An overview of digital communication to identify all electronic devices (design, analysis, operation) and their applications and Topics covered in this course include, Specify FETS, operational amp.</p>	

10. Learning Outcomes, Teaching ,Learning and Assessment Method

Knowledge and Understanding

- A1. Understand the purpose of digital Electronics concepts, principles, design issues and techniques.
- A2. Understand and contrast between different types of Electronic
- A3. Understand how to describe the best using in the active systems and what can be the future applications.

B. Subject-specific skills

- B1. Possessing a strong technical background as well as analytical and problem solving skills.
- B2.
- B3.

Teaching and Learning Methods

Lectures

Assessment methods

Written exams

C. Thinking Skills

- C1. Ability to conduct standard tests and measurements; to conduct, analyse and interpret experiments; and to apply experimental results to improve processes.
- C2.

Teaching and Learning Methods

Tutorials

Assessment methods

Homework and written Assignment

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. Ability to function effectively as a member or leader on a technical team.

D2. Contribute in a variety of technical roles within the electronics and high-tech industry

D3.

D4.

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12. Infrastructure

<p>Required reading:</p> <ul style="list-style-type: none"> · CORE TEXTS · COURSE MATERIALS · OTHER 	<ol style="list-style-type: none"> 1. Robert Boylestad , Louis Nashelsky , 2010 , Electronic Devices and Circuit Theory ,Pearson International Edition , Ltd. London , ISBN-13: 978-0-13-606463-3 2. James Bignell , Robert Donovan , 2007 , Digital Electronics , Thomson Delmar Learning , Printed in United States Of America , ISBN : 1418020265 3. Digital Electronics principles & applications , 2008 , the Mc graw-Hill companies , Toheim Roger , Inc. ,1221 Avenue of Americas , New York , NY 10020 , ISBN: 978-0-07-312634-0
<p>Special requirements (include for example workshops, periodicals, IT software, websites)</p>	
<p>Community-based facilities (include for example, guest Lectures , internship , field studies)</p>	

13. Admissions

<p>Pre-requisites</p>	<p>High school degree or equivalent degree according to the regulations of the Ministry of Higher Education and Scientific Research in Iraq.</p>
<p>Minimum number of students</p>	
<p>Maximum number of students</p>	