

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program 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 is supported by a specification for each course that contributes to the program.

1. Teaching Institution	Southern Technical University
2. University Department/Centre	Qurna Technical Institute
3. Program Title	Department of Computer Systems Techniques
4. Title of Final Award	Diploma
5. Modes of Attendance offered	semester
6. Accreditation	(AACSB) Association Collegiate School of Business
7. Other external influences	Training Tournment ,scientific Visits,Vocational training
8. Date of production/revision of this specification	25\7\2022
9. Aims of the Program	
Preparation human staff with technical qualifications enable them to job market efficiently	
Preparation of qualified technical staff for multidiscipline of electrical techniques	
Provide the requirements of job market with technical modern methods	
The discipline aims to provide technical qualified staff to work for control and maintenance of electrical units in generation, transmission and distribution power plants also for maintenance of control and protection devices and control of electrical power systems	

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

A- Cognitive goals

A1- Introducing the student to programming languages and their types, such as C++, programming in the Basic language and others.

A2- Introducing the student to the use of statistical measures, data processing methods, and the application of operations research methods.

A3- Introducing the student to operating systems and ready-made programs such as Microsoft Office programs and others.

A4- Introducing the student to the nature of the computer program and the rules that help in understanding and solving the problem, writing algorithms, and the stages of program development.

A5 - Introducing the student to the mathematical theories used in solving mathematical problems.

A6 - Introducing the student to the types of computers and their internal components, the types of operating systems, maintenance programs, and anti-virus protection.

A7- Introducing the student to numerical systems and the transformation between them, how to represent numbers in a digital calculator, Boolean algebra, the physical components of an electronic computer, machine languages, and data representation.

A8 - Introducing the student to the importance of human rights, democracy, openness and knowledge of the cultures of other countries.

A 9- Introducing the student to the meaning of the graphic structure, the types of graphic structures, their importance, characteristics and available applications.

A10- Introducing the student to the concepts and terminology of databases, and dealing with databases and models.

A11- Introducing the student to systems software and general operating systems on electronic computers and how to manage them to obtain the best operating performance.

A12- Introducing the student to the basic concepts of systems, their analysis, characteristics, levels and types.

A13- Introducing the student to networks and their benefits, techniques and types, and familiarizing themselves with the Internet and the security of computers and networks.

A14- Defining the student dealing with websites on the Internet and how to manage them.

B. Subject-specific skills

B 1 - Writing the code for programs, functions, procedures, and data files, and using the ability to draw in them.

B2 - Linear programming applications in formulating and analyzing linear models according to scientific and practical methods using its applications in the electronic calculator through SPSS, XLSTAT<QSB applications

B 3 - Working on the Windows operating system and its ready and virtual programs, such as using Microsoft Office programs and design programs such as Photo Shop Adobe.

B4- Installing and maintaining various computers, diagnosing common faults, configuring and installing drivers, maintenance and anti-virus programs.

B 5- Dealing with databases and forms and programming them in VFP.

B6 - Managing the general operating systems on electronic computers to obtain the best operating performance.

B7 - Training on systems analysis and design using a set of analysis and design tools.

B8 - Programming databases using MYSQL and V.B. using a set of tools and tools for tables and creation of reports.

B 9- Programming and managing Internet pages, designing websites, downloading and dealing with different servers and languages used on Internet networks. Through programming languages such as HTML, JAVASCRIPT, PHP and others.

B 10- Connecting local networks and different types of network connections.

Teaching and Learning Methods

The method of delivering a lecture through the use of e-learning by presenting theoretical and practical lessons on display screens using PPT. According to the available capabilities, cooperative learning (acrobats), laboratory, summer training, providing students with the basics and additional topics related to previous educational outcomes of skills to solve practical problems, applying the theoretically studied topics on a practical level in various computer technologies.

Assessment methods

Daily assessment, term exams , final exam, quizzes

C. Thinking Skills

C1- Run and use various ready-made applications.

C2 - Assembling and maintaining the computer and its accessories.

C 3- Writing and maintaining programs.

C4 - Operating network operating systems and using various Internet network applications.

C5 - Design and management of websites.

C6 - Analysis and design of database systems

Teaching and Learning Methods

Presenting the lectures via electronic teaching by presenting the theoretical and experimental lessons on screen using PPT, working as team(group), laboratories, vocational training. Teaching the students the auxiliary topics and applying the theoretical topic in practical environment in multidisciplinary of electrical techniques

Assessment methods

Daily assessment, term exams , final exam, quizzes

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

D1. The discipline aims to provide technical qualified staff to work for control and maintenance of electrical units in generation, transmission and distribution power plants

D2. maintenance of control and protection devices of electrical power systems

Teaching and Learning Methods

The method of delivering a lecture through the use of e-learning by presenting theoretical and practical lessons on display screens using Ppt. According to the available capabilities, cooperative learning (acrobats), laboratory, summer training, providing students with the basics and additional topics related to previous educational outcomes of skills to solve practical problems, applying the theoretically studied topics on a practical level in various computer technologies.

Assessment Methods

-Daily assessment and assignments

-Passing exams on web network such as MICROSOFT and ORACLE

11. Program Structure

قسم أنظمة الحاسوب/السنة الأولى - الفصل الاول

ت	اسم المادة باللغة العربية	عدد الساعات			عدد	نوع المادة	لغة التدريس
		ن	ع	م			
١	C البرمجة بلغة ++	٢	٢	٤	٤	تخصصية	الإنكليزية
٢	خوارزميات وحل المشكلة	٢	٠	٢	٢	تخصصية	
٣	التصميم المنطقي	٢	٢	٤	٤	تخصصية	الإنكليزية
٤	اساسيات الحاسوب	٠	٢	٢	٢	تخصصية	
٥	حقوق الانسان والديمقراطية	٢	٠	٢	٢	عامة	
٦	رياضيات وتحليل عددي	٢	٢	٤	٤	مساعدة	الإنكليزية
	المجموع	١٠	٨	١٨	١٨		

قسم أنظمة الحاسوب/السنة الأولى- الفصل الثاني

ت	اسم المادة باللغة العربية	عدد الساعات			عدد	نوع المادة	لغة التدريس
		ن	ع	م			
١	C البرمجة بلغة ++	٢	٢	٤	٤	تخصصية	الإنكليزية
٢	اساسيات تصميم المواقع	٢	٢	٤	٤	تخصصية	الانكليزية
٣	صيانة الحاسوب	٢	٢	٤	٤	تخصصية	
٤	الاحصاء المتقدم	٢	٢	٤	٤	مساعدة	
٥	البرمجة بلغة بايثون	٢	٢	٤	٤	تخصصية	الانكليزية
٦	اللغة الانكليزية	٢	٠	٢	٢	مساعدة	الإنكليزية
	المجموع	١٢	١٠	٢٢	٢٢		

قسم أنظمة الحاسوب/السنة الثانية

ت	المادة	عدد الساعات			مجموع	نوع المادة	لغة التدريس
		ن	ع	م			
١	هياكل البيانات	٢	٣	٥	١٠	تخصصية	الإنكليزية
٢	قواعد البيانات	٢	٣	٥	١٠	تخصصية	الإنكليزية
٣	أنظمة التشغيل	٢	٢	٤	٨	تخصصية	
٤	تحليل نظم	١	٢	٣	٦	تخصصية	
٥	البرمجة بلغة V.Basic	٢	٣	٥	١٠	تخصصية	
٦	شبكات	١	٢	٣	٦	تخصصية	الإنكليزية

		مساعدة	٦	٣	٢	١	تصميم المواقع الالكترونية	٧
		تخصصية	١	٣	٢	١	مشروع	٨
		مساعدة	٢	٢	٠	٢	اللغة الانكليزية	٩
			٥٩	٣٨	١٩	١٤	المجموع	

Level/Year	Course or Module Code	Course or Module Title	Credit rating	
FIRST		ENGLISH		Diploma Degree Requires () Hours

13. Personal Development Planning

Develop students' abilities in research and investigation by finding and solving computer and software problems, urging them to keep abreast of modern technical developments and to view them closely through information sources such as books, magazines, websites, and others.

14. Admission criteria.

The department accepts graduates of the scientific branch, and their acceptance is central by the ministry on the basis of competition and graduation rate.

15. Key sources of information about the program

- 1- The Internet.
- 3- The experiences of Arab and international universities.
- 4- The current curricula according to the vocabulary that was provided to the department by the esteemed ministry.
5. Curriculum books available in libraries and the Internet.

Curriculum Skills Map									
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please tick in the relevant boxes where individual Program Learning Outcomes are being assessed

Program Learning Outcomes	
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TEMPLATE FOR COURSE SPECIFICATION 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 program specification.

1. Teaching Institution	Southern Technical University
2. University Department/Centre	Technical Institute / Qurna
3. Course title/code	English1
4. Program(s) to which it contributes	diploma
5. Modes of Attendance offered	weekly
6. Semester/Year	Semester
7. Number of hours tuition (total)	30 hours
8. Date of production/revision of this specification	٢٠٢٢-٦-٢٠
9. Aims of the Course	Preparing the student to learn the basic skills of English as a second language. The skills include introducing the self and beginner speaking level

10· Learning Outcomes, Teaching ,Learning and Assessment Method
<p>A- Knowledge and Understanding</p> <p>A1- Introducing the student to English course.</p> <p>A2 - Preparing the student to learn the beginner level skill including speaking</p> <p>A 3- Introducing the student to the beginner grammar rules</p>
<p>B. Subject-specific skills</p> <p>B1 - Training on the method of expressing yourself.</p> <p>B2 – answering the basic questions</p> <p>B 3- answer the question from passages while reading</p>
Teaching and Learning Methods
<p>Explanation and clarification, giving a lecture through the use of e-learning by presenting theoretical and practical lessons on display screens using PPT.</p> <p>According to the available capabilities, interactive learning in class</p>
Assessment methods
Quick daily practical tests Quizzes, daily assessment, quarterly exams, final exams
<p>C. Thinking Skills</p> <p>C1- brain storming</p> <p>C2 – writing style.</p>
Teaching and Learning Methods
Presenting the lectures via electronic teaching by presenting the theoretical and experimental lessons on screen using PPT, working as team(group), interactive learning in class
Assessment methods
Daily assessment, term exams , final exam, quizzes

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

D1- The specialization aims at graduating qualified technical personnel to carry out the work of operating and maintaining electrical units in power generation, transmission and distribution stations.

D2 - Maintenance of protection and control devices for the electrical power system.

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
Weekly	30		English 1		exams

12. Infrastructure

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	New headway plus beginner
Special requirements (include for example workshops, periodicals, IT software, websites)	Websites , books , journals
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions

Pre-requisites	
Minimum number of students	20
Maximum number of students	40