

Republic of Iraq
Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate
Quality Assurance and Academic Accreditation

Academic Program Specification Form For The Academic

University: Middle Technical University
College: College of Health and Medical Technology - Baghdad
Department : Prosthetic Dentistry Technologies Department
Date Of Form Completion : 19/9/2016

Dean's Name
Date : / /

*Dean's Assistant For
Scientific Affairs*

Signature

Date : / /
Signature

Head of Department
Date : / /
Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 programme.

1. Teaching Institution	Ministry of Higher Education & Scientific Research
2. University Department/Centre	Middle Technical University / College of Health and Medical Technology - Baghdad
3. Programme Title	Health and Medical Technology – Baghdad
4. Title of Final Award	Bachelor
5. Modes of Attendance offered	Secondary / Decisions
6. Accreditation	Theoretical and practical study
7. Other external influences	Laboratories and clinics
8. Date of production/revision of this specification	2016/9/19
9. Aims of the Programme	
<ul style="list-style-type: none">• preparing and qualifying technical teeth with scientific and professional abilities and skills so that they are able to solve the health problems at the national and international level in the field of dental technology industry knowledge.• Provide quality health service and outstanding community and keep up with developments in medical and health sciences.• scientific research and encourage the development of, and support links with industrial enterprises and national productivity using the search results and applications.	

- spreading health awareness in the dental industry techniques.
- graduation Angels technique works in dental laboratories industry and be able to accomplish all of the steps on the industry calendar Sunni Kalpdail teeth fixed and mobile and compensation Oral and Maxillofacial

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

- A1. enable students to acquire knowledge and understanding of the histology and anatomy of teeth and mouth.
- A2. to enable students to acquire knowledge and understanding of the dental material
- A3. to enable students to acquire knowledge and understanding of the techniques Dental Devices
- A4: enable students to acquire knowledge and understanding of the complete and partial denture - removable and fixed prosthetics.
- A5: enable students to acquire knowledge and understanding of pathology and physiology of the mouth.
- A6: enable students to acquire knowledge and understanding of the basic science dental.
- A7: enable students to acquire knowledge and understanding to orthodontic and dental Implant.
- A8: enable students to acquire knowledge and understanding of the compensation of Oral and Maxillofacial

B. Subject-specific skills

- B1: enable students to solve the problems associated with the histology and anatomy of teeth and mouth.
- B2: enable students to solve the problems associated with the dental material.
- B3: enable students to solve the associated technologies Dental Devices problems
- B4: Enable students to accomplish all the steps related to complete and partial - removable and fixed prosthodontic.
- B5: enable students to solve the associated diseases and physiology of the mouth problems.
- B6: enable students to solve the basic science associated with dental problems
- B7: Enable students to accomplish all of the steps on the orthodontic and dental Implant
- B8: Enable students to accomplish all the steps related to the compensation of Oral and Maxillofacial

Teaching and Learning Methods

1. encourage students to self-learning.
2. provide display devices and other learning techniques.
3. The use of teaching methods and techniques of modern teaching faculty members.

Assessment methods
<ol style="list-style-type: none"> 1. Evaluate all steps related to Dental laboratory techniques. 2. Daily examinations. 3. Quarterly and final examinations. 4. Degrees for domestic duties. 5. Scientific research.
<p>C. Thinking Skills</p> <p>C1. interaction during the lecture.</p> <p>C2. homework.</p> <p>C3. extra- curricular activities.</p> <p>C4. Scientific research.</p>
Teaching and Learning Methods
<ol style="list-style-type: none"> 1. The use of a faculty member and a student of the means of information technology in college (Computer and Internet). 2. The use of strategies and methods of teaching a diverse and appropriate to the learning outcomes. 3. develop independent learning methods and practical work.
Assessment methods
<ol style="list-style-type: none"> 1. Students get the quarterly results of the examinations. 2. skills of faculty members to evaluate student learning. 3. Calendar confidence objectivity and fairness of procedures and transparency

<p>D. General and Transferable Skills (other skills relevant to employability and personal development)</p> <p>D1: participate in the sessions and local and international conferences to learn the technological development in the field of Dental technology.</p> <p>D2: enable students to pass job interviews in the government and private laboratories.</p> <p>D3: enable students to pass the professional tests organized by local / regional / international bodies.</p> <p>D4: enable students to develop self continuously for after graduation.</p>
Teaching and Learning Methods
<ol style="list-style-type: none"> 1. Sending students for training in hospitals and dispensaries for the dental technology. 2. Apply topics studied theoretically on a practical level in the field of Dental technology.

3. To provide students with the basics and additional topics related to the output of the previous education skills to solve practical problems.

Assessment Methods

1. Informing students on their learning calendar controls and mechanisms.
2. diversification of methods and tools for evaluating student learning, according to the content and intended learning outcomes of the course curriculum.
3. integrity of the correct tests and examinations and fairness.

13. Personal Development Planning

1. Participate in the sessions and conferences.
2. frequent visit in the government and private labs to gain skills.
3. For the sources, books and magazines as a source of information.

14. Admission criteria .

Central Accept / by the Ministry of Higher Education and Scientific Research requirements.

15. Key sources of information about the programme

1. Central Library at the university and college library.
2. Internet information network.
3. Arab and international universities experiments.
4. The current curriculum.

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	Middle Technical University
2. University Department/Centre	College of Health and Medical Technology - Baghdad
3. Course title/code	Dental material - Dental Anatomy- Occupational Safety- Dental Devices techniques- Computer- Basic sciences- Human rights
4. Programme(s) to which it contributes	Practical and theoretical
5. Modes of Attendance offered	Secondary, quarterly
6. Semester/Year	168-168-56-168-84-112-56
7. Number of hours tuition (total)	2016/9/19
8. Date of production/revision of this specification	Practical and theoretical
9. Aims of the Course	
1. study of the properties of materials used in dentistry in general physics, chemical, biological and mechanical.	

2. introduce students to the dental and supply it with information concerning the anatomical aspects of the dental of scientific terminology.
3. The student is able to learn occupational diseases / causes / how to prevent them and protect against chemical and thermal hazards at work and risk and protection of them at work.
4. Introduce students with dental devices techniques and recognize the components and how they work and maintenance.
5. know the properties of the material and chemical Altasr and what chemical solutions and learn about carbohydrates and fats, and vitamins and hormones and physiological effects.

10· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1-teach students how to draw and sculpt the teeth in order to take advantage of them in the area of technical work.

A2- review uses materials for students of dental laboratories in the industry and the application of action for those materials in the laboratory.

A3- introduce students with dental techniques devices the components and how they work, maintenance and perpetuation.

A4- enable the student to know the various organic chemical materials and methods of classification, and their interactions physiological effects with respect to the medical side

A5- how to introduce students of occupational diseases, prevention and chemical risks and protect them while working and thermal risks and protection of them at work.

A6- teach students how to work in dental materials and devices industry in the laboratories and methods of use.

B. Subject-specific skills

Giving scientific and theoretical lectures through the presentation and PowerPoint slides and microscopes and testing examine samples Dental bacteriology material and chemically and use various devices and special laboratory equipment and techniques dental industry screens.

Teaching and Learning Methods

Giving scientific and theoretical lectures using information technology in college (Computer and Internet).

Assessment methods

- 1 .assess the practical experiences of carving teeth and Dental materials chemist.
- 2 .conducting daily examinations.
- 3 .hold monthly exams
4. conduct exams quarterly and final

C. Thinking Skills C1- interaction during the lecture. C2-homework. C3-extra- curricular activities. C4- visit dental laboratories.
Teaching and Learning Methods
Giving scientific and theoretical lectures and the use of dental laboratories to train students.
Assessment methods
Daily and monthly, quarterly and final exams

D. General and Transferable Skills (other skills relevant to employability and personal development) D1- development skills and abilities of students use computers in dental labs.
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11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Dental material	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Dental Anatomy	Theoretical + practical	Exams
Weekly	2 Theoretical	Add learning outcomes	Occupational Safety	Theoretical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Dental Devices techniques	Theoretical + practical	Exams
Weekly	1 Theoretical + 2 practical	Add learning outcomes	Computer	Theoretical + practical	Exams
Weekly	2 Theoretical + 2 practical	Add learning outcomes	Basic sciences	Theoretical + practical	Exams
Weekly	2 Theoretical	Add learning outcomes	human rights	Theoretical	Exams

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	<ul style="list-style-type: none"> • Methodology textbooks • Phillips' Science of Dental Materials • Craig's Restorative Dental Materials
Special requirements (include for example workshops, periodicals, IT software, websites)	<ol style="list-style-type: none"> 1. Technical Journal 2. Journal of Dentistry University of Baghdad 3. Journal of Dental Mustansiriya
Community-based facilities (include for example, guest Lectures , internship , field studies)	Web College health and medical technology - Baghdad

13. Admissions	
Pre-requisites	Central acceptable
Minimum number of students	25
Maximum number of students	40

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1. Teaching Institution	Middle Technical University
2. University Department/Centre	College of Health and Medical Technology - Baghdad
3. Course title/code	Partial Denture-Crowns and Bridges-Oral Histology-Dental Anatomy -Dental Material-Complete denture
4. Programme(s) to which it contributes	Practical and theoretical
5. Modes of Attendance offered	Secondary, quarterly
6. Semester/Year	168-168-168-168-168-168
7. Number of hours tuition (total)	2016/9/19
8. Date of production/revision of this specification	Practical and theoretical
9. Aims of the Course	
	1. For students used materials industry partial denture and how to deal with it.
	2. For students used materials industry crowns, bridges and how to deal with it.
	3. prepare students practice and theory to study topics related to Article histology of

the mouth.

4. Introduce students to the details of the anatomy of the mouth, face and jaws and falling within the scope of his work in the dental industry and compensation of Oral and Maxillofacial.

5. For students used materials industry Complete denture and how to deal with it.

10. Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1- enable student dental techniques section of the partial denture industry.

A2- enable student dental techniques section of the Complete denture industry.

A3- enable student dental techniques section of crowns and bridges industry.

A4- enable the student to know the various organic chemical materials and methods of classification, and their interactions physiological effects with respect to the medical side

A5- introduce students to the substance histology and pathology.

A6- teach students how to work in dental materials and devices industry in the laboratories and methods of use.

B. Subject-specific skills

1. Students learn at their own laboratory skills in the field of dental industry .

2. Give scientific and theoretical lectures through the presentation and PowerPoint slides and microscopes and testing examine samples Dental bacteriology material and chemically and use various devices and special laboratory equipment and techniques dental industry screens.

Teaching and Learning Methods

Giving scientific and theoretical lectures using information technology in college (Computer and Internet).

Assessment methods

1 .practical assessments in all subject's dental industry.

2 .conducting daily examinations.

3 .hold monthly exams

4 .conduct exams quarterly and final

C. Thinking Skills

C1- interaction during the lecture.

C2-homework.

C3-extra- curricular activities.

C4- interaction while working in the laboratory dental.

Teaching and Learning Methods

Giving scientific and theoretical lectures and the use of dental laboratories to train students.

Assessment methods

Daily and monthly, quarterly and final exams

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

D1- development of students' skills and abilities to use computers in labs teeth.

D2-skills and abilities of students in the work of crews moving dental and fixed dental

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Partial denture	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Crowns and bridges	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Oral histology	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Dental Anatomy	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Dental material	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Complete denture	Theoretical + practical	Exams

12. Infrastructure

Required reading:

- CORE TEXTS
- COURSE MATERIALS
- OTHER

- Methodology textbooks
- Textbook of Complete Denture Prosthodontics
McCracken's Removable Partial Prosthodontics

	Handbook Of Orthodontics
Special requirements (include for example workshops, periodicals, IT software, websites)	<ol style="list-style-type: none"> 1. Technical Journal 2. Journal of Dentistry University of Baghdad 3. Journal of Dental Mustansiriya
Community-based facilities (include for example, guest Lectures , internship , field studies)	Web College health and medical technology - Baghdad

13. Admissions	
Pre-requisites	Central acceptable
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1. Teaching Institution	Middle Technical University
2. University Department/Centre	College of Health and Medical Technology - Baghdad
3. Course title/code	Partial denture-Crowns and bridge-Orthodontic-Research Methods-Medical Sciences-Complete denture-Maxillofacial-Computer
4. Programme(s) to which it contributes	Practical and theoretical
5. Modes of Attendance offered	Secondary, quarterly
6. Semester/Year	168 – 168 –140 – 30 – 84 – 168 – 140 - 84
7. Number of hours tuition (total)	2016/9/19
8. Date of production/revision of this specification	Practical and theoretical
9. Aims of the Course	
1. For students used materials industry partial denture and how to deal with it.	
2. For students used materials industry crowns, bridges and how to deal with it.	
3. For students used materials industry Orthodontic and how to deal with it.	

4. Introduce students to the details of the anatomy of the mouth, face and jaws and falling within the scope of his work in the dental industry and compensation of Oral and Maxillofacial.

5. For the student on how to write and research work

10. Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1- enable student dental techniques section of the partial denture industry.

A2- enable student dental techniques section of the Complete denture industry.

A3- enable student dental techniques section of crowns and bridges industry.

A4- enable student dental techniques section of the Orthodontic industry

A5- enable student dental technology department of Oral and Maxillofacial compensation industry.

A6- teach students how to write and work of graduate research.

B. Subject-specific skills

1. students learn at their own laboratory skills in all disciplines dental industry.

2. Give scientific and theoretical lectures through the presentation and

PowerPoint slides and special techniques dental industry screens.

Teaching and Learning Methods

Giving scientific and theoretical lectures using information technology in college (Computer and Internet).

Assessment methods

1 .practical assessments in all subject's dental industry.

2 .conducting daily examinations.

3 .hold monthly exams

4 .conduct exams quarterly and final

C. Thinking Skills

C1- interaction during the lecture.

C2-homework.

C3-extra- curricular activities.

C4- interaction while working in the laboratory dental.

Teaching and Learning Methods

Giving scientific and theoretical lectures and the use of dental laboratories to train students.

Assessment methods

Daily and monthly, quarterly and final exams

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

D1- development of students' skills and abilities to use computers in labs teeth.

D2-skills and abilities of students in the work of crews moving dental and fixed teeth and Orthodontic.

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Partial denture	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Crowns and bridges	Theoretical + practical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Orthodontic	Theoretical + practical	Exams
Weekly	2 Theoretical	Add learning outcomes	Research Methods	Theoretical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Medical Sciences	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Complete denture	Theoretical + practical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Maxillofacial	Theoretical + practical	Exams
Weekly	1 Theoretical + 2 practical	Add learning outcomes	Computer	Theoretical + practical	Exams

12. Infrastructure

<p>Required reading:</p> <ul style="list-style-type: none"> · CORE TEXTS · COURSE MATERIALS · OTHER 	<ul style="list-style-type: none"> • Methodology textbooks • Textbook of Complete Denture Prosthodontics • McCracken's Removable Partial Prosthodontics • Handbook Of Orthodontics • Clinical Maxillofacial Prosthetics
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Special requirements (include for example workshops, periodicals, IT software, websites)	<ol style="list-style-type: none"> 1. Technical Journal 2. Journal of Dentistry University of Baghdad 3. Journal of Dental Mustansiriya
Community-based facilities (include for example, guest Lectures , internship , field studies)	Web College health and medical technology - Baghdad

13. Admissions	
Pre-requisites	Central acceptable
Minimum number of students	25
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1. Teaching Institution	Middle Technical University
2. University Department/Centre	College of Health and Medical Technology - Baghdad
3. Course title/code	Partial Denture-Crowns and bridges-Orthodontic-Dental Implant-Professional behavior-Complete denture-Maxillofacial
4. Programme(s) to which it contributes	Practical and theoretical
5. Modes of Attendance offered	Secondary, quarterly
6. Semester/Year	168 – 168 –140 – 140 – 168 – 140 - 36
7. Number of hours tuition (total)	2016/9/19
8. Date of production/revision of this specification	Practical and theoretical
9. Aims of the Course	
	1. For students used materials industry partial denture and how to deal with it.
	2. For students used materials industry crowns, bridges and how to deal with it.
	3. For students used materials industry Orthodontic and how to deal with it.
	4. Introduce students to the details of the anatomy of the mouth, face and jaws and falling within the scope of his work in the dental industry and compensation of Oral

and Maxillofacial.

5. For students used materials industry dental Implant and how to deal with it.

10. Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1- enable student dental techniques section of the partial denture industry.

A2- enable student dental techniques section of the Complete denture industry.

A3- enable student dental techniques section of crowns and bridges industry.

A4- enable student dental techniques section of the Orthodontic industry

A5- enable student dental technology department of Oral and Maxillofacial compensation industry.

A6- enable student dental techniques section of Dental Implant.

B. Subject-specific skills

1. students learn at their own laboratory skills in all disciplines dental industry.

2. Give scientific and theoretical lectures through the presentation and PowerPoint slides and special techniques dental industry screens.

Teaching and Learning Methods

Giving scientific and theoretical lectures using information technology in college (Computer and Internet).

Assessment methods

1 .practical assessments in all subject's dental industry.

2 .conducting daily examinations.

3 .hold monthly exams

4 .conduct exams quarterly and final

C. Thinking Skills

C1- interaction during the lecture.

C2-homework.

C3-extra- curricular activities.

C4- interaction while working in the laboratory dental.

Teaching and Learning Methods

Giving scientific and theoretical lectures and the use of dental laboratories to train students.

Assessment methods

Daily and monthly, quarterly and final exams

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

D1- development of students' skills and abilities to use computers in labs teeth.

D2-skills and abilities of students in the work of crews moving dental and fixed teeth and Orthodontic.

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Partial denture	Theoretical + practical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Crowns and bridges	Theoretical + practical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Orthodontic	Theoretical + practical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Dental Implant	Theoretical + practical	Exams
Weekly	2 Theoretical	Add learning outcomes	Professional behavior	Theoretical	Exams
Weekly	2 Theoretical + 4 practical	Add learning outcomes	Complete denture	Theoretical + practical	Exams
Weekly	2 Theoretical + 3 practical	Add learning outcomes	Maxillofacial	Theoretical + practical	Exams

12. Infrastructure

<p>Required reading:</p> <ul style="list-style-type: none"> · CORE TEXTS · COURSE MATERIALS · OTHER 	<ul style="list-style-type: none"> • Methodology textbooks • Textbook of Complete Denture Prosthodontics. • McCracken's Removable Partial Prosthodontics. • Handbook Of Orthodontics. • Clinical Maxillofacial Prosthetics. • Implant Prosthodontics: Clinical and Laboratory Procedures.
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Special requirements (include for example workshops, periodicals, IT software, websites)	<ol style="list-style-type: none"> 1. Technical Journal 2. Journal of Dentistry University of Baghdad 3. Journal of Dental Mustansiriya
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