



**October University for Modern
Sciences and Arts**

Faculty of Dentistry

**Programme of Study for the Degree of
Bachelor in Dental Surgery**

B.D.S

2016



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1. Introduction and Objectives Of the MSA Faculty of Dentistry

1.1. Introduction to MSA University

October University for Modern Sciences and Arts (MSA) was established according to Presidential Decree No. 244 in 1996 to introduce state-of-the-art technologies and concepts in all disciplines. MSA University is proud that its different programmes were validated by two distinguished British Universities before or in the case of some Faculties soon after the graduation of its first class in the spring of 2000.

MSA is an English Language instruction medium University. At MSA we are dedicated to the pursuit of excellence in curricula, facilities, staff and students. That is the main reason why our modern and progressive policies and up-to-date educational facilities have been internationally acknowledged by several universities in the UK and USA with whom we have several co-operation agreements. MSA programmes are designed and implemented according to the most rigorous and demanding international standards. All course outlines highlight the role of new and emerging technologies in meeting the challenges posed by the information and communication technology era. The academic work of the University was initially divided into five faculties, namely: Faculty of Management Sciences, Faculty of Engineering, Faculty of Computer Science, Faculty of Mass Communication and Faculty of Languages. In October 2004, according to the Presidential Decree No 322/2004 and the Decree of the Minister of Higher Education No 2173 dated 23/10/2004, MSA was granted the right to establish three more faculties:

1. Faculty of Dentistry
2. Faculty of Pharmacy
3. Faculty of Biotechnology

The faculties are located at the 6th of October campus, which provides excellent facilities for education and training in the above mentioned disciplines.

MSA aims to provide its students with an exceptional and enjoyable learning experience that will enable them to successfully compete in the highly competitive global job market.

1.2. The Faculty of Dentistry at MSA

The **Bachelor of Dental Surgery degree** offered by MSA University is a five year full time programme of study divided into two academic stages comprising 10 semesters as well as summer courses, and a clinical summer training course after the eighth and ninth semesters (optional) aimed primarily at educating and training graduates for efficient dental practice in the new century. Students have to finish successfully 211 credit hours (9 CH University requirements, 198 CH Faculty requirements and 4 CH Elective courses) over the 10 semesters and summer courses for graduation to achieve a cumulative GPA not less than 2.

The Faculty of Dentistry at the October University for Modern Sciences and Arts (MSA) aims at fulfilling an urgent academic and national need for establishing institutes and faculties that cater for the growing demand for high level graduates in the scientific and technological fields.

MSA's Faculty of Dentistry introduces a solid basis and hands-on experience allowing students to grasp the latest trends in dental science and practice. The University provides the most up-to-date equipment and highly qualified staff to insure the most efficient delivery of the knowledge and skills required. The University believes that such knowledge and skills are essential for its graduates to take the lead in dental practice on both the domestic and regional levels.

The curricula of study are divided into two phases corresponding to different stages of learning;; the first includes six semesters that are devoted to basic general and medical sciences necessary to prepare the dental student to comprehend normal human biology and disease processes. It also comprises the Pre-Clinical phase in which the dental student is trained on models and simulators before he/she is ready for the final stage of training, corresponding to Clinical Stage, which is the Clinical phase that includes the last four semesters. In the sixth semester, students may attend clinical sessions as assistants to senior students where they learn by watching and also practice four-handed assisted operating dentistry. During the clinical phase, the Faculty will encourage the concept of comprehensive and multidisciplinary dental care that permits diagnosis and integrated, comprehensive treatment planning and simultaneous learning experience in all dental clinical disciplines. In the clinical setting, students will undertake patient treatment under complete supervision of highly competent multidisciplinary team of Faculty Staff who combine advanced dental care skills with high standards of teaching. Students will also be trained to adhere to the proper codes of professional and academic ethics. This clinical training will enable students to diagnose dental and oral problems and treat the common ones that they may encounter during their post-graduation years. It will also involve task analysis, scheduling, delegation of duties and monitoring results.

In these multidisciplinary clinics, students will also learn the principles of assisted-operating dentistry, and will be made to be aware of professional and legal responsibilities to fellow staff and to their patients. The principles of preventive dentistry will prevail in every clinical discipline, so that new preventive dentistry techniques will be taught to students as they become available. Students will be trained to become conversant with the practice of preventive dental care including oral health education and oral health promotion. They will also be made to recognise the increasing evidence-based approach to treatment and hence will be able to make appropriate judgments. The student will be directed to appreciate the need to collaborate in prevention, diagnosis, treatment and management of disease with other healthcare professionals and with patients themselves. In the clinical phase, emphasis will be laid upon whole patient care, implying consideration of the patient's total dental needs rather than just provision of separate items of treatment, taking into consideration the patient's medical condition and needs. At all stages of their clinical training, arrangements will be made

for infection control and for the control of all and any substances hazardous to health, as well as for the safety of equipment.

The curriculum has been designed and will be continuously revised and updated to effectively integrate the many components of the ten semester programme and make them as relevant as possible to the dental graduate of 2016 onwards. It includes the necessary knowledge, skills and professional approach and possesses strength in clinical skills. There will be greater emphasis on competencies, a record of achievement and an integrated approach to teaching and learning. Within each level, a system of academic prerequisites will direct the student in choosing his academic load in each semester.

Seminars, Hospital Dentistry, Emergency Care included in the Oral Surgery course and Multidisciplinary Interactions are integral parts of the requirements of study to improve analytical thinking and problem solving attitudes as well as to expand the knowledge base and abilities of dental students to deal with complex dental problems.

To improve the quality of our graduates and to prepare them to better interact with society, new and varied elective courses have been added to the programme of study. Psychology and Sociology, Medical Photography, Statistics, Business Administration, English Language for Research, Dental Informatics and Elementary Electronics are examples of such courses that allow dental students to be better acquainted and better equipped to interact with their society and its problems.

The Faculty of Dentistry, MSA University is committed to graduate dentists who are characterized by deep theoretical knowledge, high clinical skills, and a well-rounded personality and who are fully aware of their place and duties in society. This means the dental graduate should be provided with professional knowledge of different dental fields of specialization, contemporary applications, and latest developments in dentistry as well as the dental skills necessary to deliver this knowledge to patients in terms of proper diagnosis, treatment planning and execution. All this takes place within a framework of ethics while keeping the general welfare of their patients at the forefront of their thoughts.

The courses have been designed according to national and international standards of this fast developing discipline in preparation for their eventual inclusion in a Validation Agreement to be signed by MSA University and by an EU partner Dental School or the ADEE as well as accreditation by National Authority For Quality Assurance And Accreditation Of Education.

The methods of instruction at our Faculty include lectures, tutorials, seminars, practical sessions, laboratory technical work, demonstrations and multidisciplinary clinical treatment of patients under staff supervision.

Dentistry students at MSA University are exposed to the rapidly growing information revolution in the medical and dental sciences, and are supplied with the latest laboratory and clinical equipment available worldwide. Huge investments are geared to provide excellence in scientific dental education.

Upon completion of their studies, our graduates will, in addition to acquiring the academic and practical skills necessary for the practice of dentistry, also acquire communication skills,

personal management skills, information technology skills and an appreciation and analysis of ethical and legal issues in dentistry.

The Faculty of Dentistry, MSA University comprises the following departments:

1. Department of Oral Histology and Oral Pathology comprising:

- a. Descriptive Dental Anatomy (Human Dentition).
- b. Oral Biology and Oral Histology.
- c. Oral Pathology.

2. Department of Dental Prosthetics comprising:

- a. Dental Materials.
- b. Removable Prosthodontics.
- c. Maxillofacial Prosthodontics.
- d. Implant Prosthodontics.

3. Department of Restorative Dentistry comprising:

- a. Conservative & Esthetic Dentistry.
- b. Fixed Prosthodontics.
- c. Endodontics.

4. Department of Oral Surgery and Anaesthesia comprising:

- a. Oral and Maxillofacial Surgery.
- b. General Anaesthesia.
- c. Local Anaesthesia.

5. Department of Paedodontics comprising:

- a. Paedodontics.
- b. Orthodontics.
- c. Preventive Dentistry and Oral Public Health.

6. Department of Oral Medicine and Periodontology comprising:

- a. Oral Medicine.
- b. Periodontology.
- c. Oral Radiology and Oral Diagnosis

7. Department of Supporting General Subjects comprising:

- a. Chemistry (Inorganic – Physical – Organic).
- b. Physics.
- c. Zoology.
- d. Botany.
- e. Statistics.
- f. General Histology.
- g. Microbiology.
- h. Genetics.
- i. Ethics and Legal Aspects

- j. General Anatomy.
- k. Human Physiology.
- l. Biochemistry.
- m. Pharmacology.
- n. General Pathology.
- o. General Medicine and Dermatology
- p. General Surgery, E.N.T. and Ophthalmology

2. Programme Aims and Graduate Attributes

Programme Aims

This undergraduate programme is designed for students who aspire to understand, analyse, forecast and influence the dental profession at the aggregate as well as the individual level. This programme aims to:

1. Provide knowledge about the practice of dentistry and development of relevant skills for the constructive use of that knowledge in their range of activities.
2. Provide students with the tools to apply the knowledge and skills they have acquired to the solution of theoretical and applied problems in dentistry and to exercise judgment in evaluating relevant socio-economic aspects of different communities.
3. Develop an understanding of problems in the dental field, so the graduate will be able to detect drug interactions and maintain safe and infection controlled environment in their field.
4. Enable graduates to apply their transferable skills involving team work, managing and evaluating one's own learning and/or making effective use of on-going dental technology.
5. Enable graduates to communicate effectively with their patients.
6. Enable graduates to continue their professional education and significantly contribute to the wide field of dental care of their patients.
7. Allow competence in oral health care services through diagnosis of oral and dental diseases and an understanding of the relationship between general and oral disease.
8. Develop clinical understanding and competence to practice without supervision, yet the graduate will be able to realize his/her limitations and refer patients to specialist advice and care when indicated.
9. Provide students with the basic knowledge of dental jurisprudence and the medico-legal and ethical responsibilities of dentists.

Graduate Attributes

1. Provide self-sufficient oral health care services through diagnosis of oral and dental diseases and an understanding of the relationship between general and oral disease.

2. Understand problems in the dental field, be able to detect drug interactions and maintain safe and infection controlled environment in their field.
3. Apply their transferable skills involving team work, managing and evaluating one's own learning and/or making effective use of on-going dental technology.
4. Communicate effectively with their patients.
5. Continue their professional education and significantly contribute to the wide field of dental care of their patients.
6. Maintain clinical understanding and competence to practice without supervision, yet the graduate will be able to realize his/her limitations and refer patients to specialist advice and care when indicated.
7. Understand the basic knowledge of dental jurisprudence and the medico-legal and ethical responsibilities of dentists.

3. Programme Learning Outcomes

3.1. Knowledge and Understanding

On completing this program the graduate must be able to:

1. Have a thorough understanding of the healthy human body and healthy oral cavity by becoming thoroughly acquainted with knowledge in basic sciences.
2. Develop thorough understanding of the diseases that affect the human body and the disease processes that are unique to the oral cavity: their causation, prevention, diagnosis, and treatment.
3. Develop the necessary understanding of social, economic, psychological and ethical aspects of the profession.
4. Develop and demonstrate sufficient knowledge for the comprehensive treatment and case management of their patients.
5. Understand the necessary knowledge to execute infection control and asepsis.
6. Develop the necessary knowledge to manage emergency cases.

3.2. Practical and Clinical Skills

On completing this program the graduate must be able to:

1. Demonstrate sufficient abilities for the comprehensive treatment and case completion of the patients assigned to them. The comprehensive treatment must involve all aspects of preventive procedures and general dental care, with an appropriate emphasis on restorative dental treatment.

2. Demonstrate sufficient abilities in different local anesthetic techniques and treatment of general restorative cases with different filling materials, treatment of completely and partially edentulous cases, treatment by using simple crown and bridge prostheses, endodontic treatment, execution of all types of extractions and minor oral surgery, periodontal treatment, root planning, prophylaxis and simple periodontal surgery.
3. Diagnose the common oral lesions and the need for orthodontic care and fabricate simple orthodontic appliances.
4. Be able to diagnose and refer to specialists cases that need implants, specialised orthodontic treatment and/or maxillofacial surgery or prostheses.
5. Be able to perform primary dental care for children.
6. Manage dental and medical emergencies
7. Apply current infection control guidelines.
8. Be able to fabricate most types of prostheses in the lab, process acrylic resin, correct technical errors and cast different types of metals.
9. Control patient anxiety and prescribe the appropriate drugs.

3.3. Intellectual Skills

On completing this program the graduate must be able to:

1. Seek out ,analyse and integrate diagnostic data to solve clinical problems.
2. Develop the necessary interpersonal skills to interact at an appropriate professional level with their patients.
3. Demonstrate an ability to prepare appropriate diagnosis and design treatment plans, to present the diagnosis and treatment options to their patients, to manage the dental care of assigned patients.
4. Develop the necessary skills to interact with different specialties and departments.
5. Develop the necessary skills in perceiving colour and aesthetics
6. Estimate the effects of medications taken by the patient on dental management.

3.4. General and Transferable Skills

On completing this program the graduate must be able to:

1. Appreciate using sources of continuing education and accurate information technology in providing contemporary dental care.
2. Develop a team approach to conduct multidisciplinary treatment plan for the assigned patients in a scientific and ethical approach.
3. Critically read, appraise and review the dental literature.

4. Perform critical thinking and problem solving in dental education.
5. Be fully aware of the necessity of basic concepts of quality assurance.
6. Develop analytical and presentational skills through the preparation, delivery and participation in assessed seminars.

4. Introduction to Dental Sciences

Dentistry is the vocational discipline which combines technological, scientific, medical, technical, and material issues in an integrated manner that caters for the health of the oral cavity and the dentition. In many parts of the Western World, the falling rate of dental caries has reduced the need for practice devoted mainly to restorative treatment. In our part of the world, however, although there is a sector of the population in whom caries incidence has also declined significantly, a great part of the population still suffer from widespread dental caries, and the practicing dentist has to devote a significant part of his/her time and efforts to deal with treatment and prevention of the disease and its sequelae.

Dental schools in our part of the world, therefore, have to devote enough time and training to deal with the requirements of that part of the population who still suffer from significant dental caries, and also to cater for the needs of that part who require advanced dental restorations, provision of complex fixed and removable prostheses and advanced surgical, periodontal and orthodontic care. Preventive measures and education of the population in oral health care issues are also major concerns.

Dentists today should play a much wider role than before as oral physicians, and should recognise the general health problems of their patients, particularly the elderly and the medically compromised. Prevention of oral and dental disease must also be one of their major concerns.

Dental graduates, therefore, need to be equipped with a sound understanding of basic biological and medical sciences, on which to build clinical dental knowledge and skill, without forgetting the importance of preventive measures against oral and dental disease. They should understand the importance of evidence-based dentistry and its relation to clinical practice. They should be able to evaluate the evidence and assess its relevance to treatment planning and provision. Graduates must also recognise and accept the obligation to practice in the best interests of their patients at all times.

4.1. Defining Principles

Dentistry integrates the main strands of the technological, material and biological sciences which relate to the dental health of the individual and the community and combines these sciences with all the related aspects of health care for the benefit of patients. Dentistry is also concerned with the provision of evidence-based advice to patients and the public on general dental and oral health matters. Thus, dentistry is a vocational discipline, defined by the application in a health care setting or context of scientific principles and intellectual rigour in and through:

- The diagnosis and development of safe and effective treatment plans and their delivery to patients.
- The purposeful integration of information and the process of critical evaluation leading to the application of dental and related medical knowledge.
- The optimal clinical use of dental materials.
- Advise on the proper care and hygiene of the mouth and the promotion of good oral hygiene leading to maintenance of good oral health.

Dentists are thus to be looked at as specialists in the health care community, bringing together material, biological, clinical, social and behavioural sciences employing them to achieve dental health of individual patients and of the community. In so doing, their activities are governed by:

- Mastery of a substantial body of knowledge, with practical and manipulative skills forming a significant part of the subject.
- The application of scientific and technical rigour to the use of materials.
- Evidence-based decision-making skills.
- Independent learning skills, forming the basis for lifelong learning.
 - » A multidisciplinary and integrative approach to solving health care problems.
 - » The assumption of personal and professional responsibility for the proper discharge of their role in society.
 - » A thorough grasp of law relating to dentistry.
 - » Development of a high level of interpersonal skills, which are analytical, critical, evaluative, interpretive, and reflective.
- The highest degree of ethical behaviour.

4.2. Teaching and Learning:

Methods of teaching vary according to individual courses, but are a mixture of lectures, tutorials, practical sessions, clinical demonstrations, chair side teaching, seminars and directed self-learning, including IT-mediated learning environments. In the second academic level (last four semesters), students are directed to plan treatment for their patients through a process of case presentation and discussion in an integrated planning clinic involving a multi-disciplinary team of staff. The Faculty of Dentistry believes that it is essential to maintain its commitment to small group teaching in the clinical environment as a requirement of clinical ascendancy. Teaching and clinical training will both be such as to inspire students to develop an analytical approach to both the theory and practice of clinical dentistry.

At level one, lectures are intended to supply core knowledge and information, and tutorials will give students an opportunity to apply these principles through participation in interactive learning. As students progress to level two, they will be made to progress to more independent learning and to extend and supplement the core material delivered to them by using the available literature and electronic sources of information.

Teaching, learning and assessment will also be progressive throughout different individual programmes to encourage the transition from dependent to independent learning so that the graduates become increasingly self-reliant and responsible for their own learning.

Programmes will be continuously reviewed by the Faculty Board and, when necessary, revised wherever indicated.

In line with MSA University policy, IT is being used to an increasing extent in support of traditional learning and teaching methodologies. The Faculty of Dentistry, as are all Faculties of MSA University, is at the forefront in the field of developing electronic learning and plans to embed this across all its courses.

The University has provided IT facilities, and a library including electronic library facilities sufficient to enable students to undertake guided self-learning. Courses of instruction are being given in the use of computer-assisted learning as a means to encourage personal learning.

In line with MSA University policy, the Faculty of Dentistry will be introducing mechanisms for the evaluation of teaching. This will include elements such as peer observation of teaching and external examiners as well as student feedback as a method of quality enhancement.

The Faculty of Dentistry at MSA University aims to deliver excellence in teaching and learning. A system of peer observation of teaching will be employed in line with guidance from the QA Unit of the University. The use of innovative learning methods will be encouraged where they have demonstrable educational benefits. The Faculty of Dentistry expects all staff to participate in peer observation.

4.3. Assessment Methods:

The assessment methods used for each course are described in the course outlines. Courses are assessed in various ways typically utilising a combination of coursework quizzes, laboratory and clinical examinations, midterm exams and end of semester examinations in the form of oral and practical or clinical exams and unseen written examination. Assessment and examinations will be such as to integrate theoretical knowledge, understanding, skills and attitudes.

Much effort has been spent to ensure that examinations have validity and reliability using appropriate methods to assess the students' attainment of the learning objectives.

Continuous assessment is used to assess practical work both in preclinical laboratories and in the multidisciplinary clinics. In both Preclinical and Clinical phases, a system of requirements will be used to ensure that a student taking a course has undertaken the necessary preparatory work. Accurate records of students' preclinical technology and clinical work are kept so that the amount and quality of their work can be definitively assessed. Sixth semester students are not to be allowed to sit for their end of semester examination unless they have satisfactorily fulfilled their fourth, fifth and sixth semesters preclinical requirements, and tenth semester students are not to be allowed to sit for their final tenth semester examination unless they have satisfactorily fulfilled their clinical requirements for the seventh to tenth semesters.

In order to safeguard patients allocated to dental students for restorative, periodontal or surgical work, it is essential to ensure that students have acquired the necessary manual dexterity and skills at the preclinical level. A system of prerequisites will ensure that the student does not proceed to clinical work until he has attained the required skill and manual dexterity. Accordingly, students may not proceed to clinical work in the seventh, eighth, ninth and tenth semesters until they have successfully passed assessment of their technical skills to ensure that they can work safely on patients under staff supervision, as well as ensuring that they have acquired a proper understanding of the ethical responsibilities which they must assume in the clinical set-up.

5. Programme Structure

5.1. The overall programme structure

Programme structure and requirements, levels, courses, credits and awards:

- **Number of credits:** minimum of 211 credit hours
- **Levels:** Two levels; 1st level representing semesters one to six and 2nd level comprising semesters seven to ten.
- **Award:** BDS, Bachelor of Dental Surgery

MSA University Faculty of Dentistry offers a five year, ten semester full time programme inclusive of a preliminary semester that provides instruction in basic sciences as well as intensive training in English, the language of instruction of courses, and computer skills deemed essential to introduce students to the technological age that continually produces fresh information, and help them monitor such breakthroughs on the internet and in universities worldwide.

The curricula of study are divided into two phases: the first phase includes six semesters devoted to basic general sciences necessary to prepare the dental student to comprehend human biology, basic medical sciences, and is also the Pre-Clinical phase in which the dental student is trained on models and simulators before he/she is ready for the second phase of training, which includes four semesters and is the Clinical phase. During this second phase the dental student will be able to diagnose and treat the common dental problems that he/she may encounter during his/her post-graduation years. A mandatory one year Internship in an approved University Hospital or General Hospital is required by law before a graduate is granted his license to practice dentistry.

The programme is divided into study units called courses. Each course has a load of 1-5 credit hours. Courses are designated at levels 1 and 2 indicating progressively more advanced studies and representing the first six semesters (level 1), and the seventh to tenth semesters (level 2). A system of requirements is used to ensure that a student taking a course has undertaken the necessary preparatory academic, preclinical and clinical work. Accurate records of student's preclinical technology and clinical work are being kept so that the amount and quality of student's work can be assessed.

The BDS degree is granted to students who successfully complete a minimum of 211 credit hours divided as follows:

- 198 credit hours of Faculty requirements.
- 9 credit hours of University requirements.
- 4 credit hours of Elective courses.
 - The 198 credit hours of core requirements are the those that cover the main course of study comprising: Inorganic Chemistry; Physical Chemistry; Organic Chemistry; Physics; Zoology; Botany; Descriptive Dental Anatomy; Properties of Dental Materials; Elementary Statistics; General Histology; General Anatomy and Embryology; Human Physiology; Biochemistry; Pharmacology; Oral Biology; Basic Genetics; Ethics and Legal Aspects; General Pathology; Oral Pathology, General Medicine, Skin and Venereal Diseases; General Surgery, Ophthalmology and ENT; Preclinical and Clinical Operative Dentistry, Preclinical and Clinical Removable Prosthodontics; Preclinical and Clinical Fixed Prosthodontics, Preclinical and Clinical Endodontics; Oral Surgery and Anaesthesia; Oral Medicine and Periodontology; Oral Radiology and Oral Diagnosis; Orthodontics; and Paedodontics (including Preventive Dentistry and Oral Public Health).
 - The 9 credit hours of University requirements comprise English Language and Computer Science courses.
 - The 4 credit hours of elective requirements are courses that tackle aspects in Psychology and Sociology, Business Administration, Elementary Electronics, Equipment Maintenance, Medical Photography, General Material Science, Statistics, Dental Informatics and English Language for Research.

5.2. Teaching and Learning Strategy

Lectures: these are mainly designed as presentations, providing core knowledge and guidance in subjects being studied. Lectures should develop students' abilities in understanding and reflection. Audio-visual presentation techniques will be used to supplement their value.

Seminars: interactive ways of teaching including a variety of presentations, discussion groups and simulations. They will emphasize and demonstrate the ideas gained and concepts comprehended, and develop communication and problem-solving skills.

Practical Sessions: will be used to reinforce a deeper understanding of topics presented in lectures as well as develop students' manual skills and dexterity, and their skills in scientific methodology.

Clinical Sessions: in clinical disciplines to give students adequate experience in handling clinical cases to prepare them for future clinical practice. This will be done in multidisciplinary clinics under strict supervision by senior members of the staff of relevant departments. Emphasis will be focused on the transfer and continued development of practical clinical skills as well as on the acquisition of professional and ethical attributes appropriate to dental practice.

Guided Independent Study Using Communications and Information Technology: these include researches and assignments associated with lectures, laboratory classes and seminars and depending on library references given by the lecturers, and on the internet. This represents an effective way of independent learning and will develop students' study skills, self-reliance and independence of thought, preparing students for future continued education.

Academic Counselling: this informs students about the rationale, content, aims and objectives of the programme as a whole through open discussions about timetables and activities, especially in the early stages of the course.

6. Assessment Guides and Regulations:

The process of assessment is completely transparent. Staff mark the answer sheets with secret code in all examinations so that the identity of the student remains completely anonymous, thus ensuring that the assessment is truly objective and reflects the students' true academic standard. Each answer sheet is marked by two independent examiners.

The rules and regulations for assessment and progression in our programme are as follows and are detailed in the exam tables for each semester.

In Course Assessment (Quizzes + Lab. Work + Oral exams)

Mid Term exam

End of Semester Practical and/or Clinical exams*

End of Semester Oral exams*

End of Semester written exam* (1 hr for courses of 1 CH; 1.5 hrs for courses of 2 CH; and 3 hrs for courses of 3 CH or more)

* Final written, clinical and oral examinations are conducted by internal and external examiners.

The final BDS examinations are so designed as to allow coverage of all areas of the curriculum. They are also designed to allow an integrated approach to the assessment of student's knowledge and skills.

Examinations employ written papers, as well as clinical and oral examinations. Patients used in clinical examinations usually present dental problems requiring multidisciplinary management to assess student's holistic approach.

6.1. The Calendar of Assessment

There are 3 main periods of assessment and progression during the academic year:

- At the end of the Fall Semester (January).
- At the end of the Spring Semester (May - June).
- At the end of the Summer Semester (September).

The period of final assessment includes a deadline for submitting all assignments and preclinical and clinical requirements to be assessed before the final examinations.

7. General Rules and Regulations:

Credits acquired by students are based on the number of courses passed from the academic load. The academic load is the number of credits registered in each semester.

Students who get a grade of F (minimum of 55%) in one course may be condoned by a maximum of 5% by the Faculty Assessment Board. Students who obtain less than 60% (but more than 55%) in more than one course may be condoned by a maximum of five marks (5%) in those courses nearest to the pass mark if those added marks allow them to pass. Students who get less than 55% in any subject fail and may not be condoned.

- The academic load is the number of registered credits each semester.
- Credits acquired by the student are based on the credits of the passed courses from the academic load.
- Repeated courses will be counted once toward the calculation of accumulated credit hours. The best achieved GPA will be used for calculating the GPA.
- The cumulative GPA calculation starts from the first semester for each student and is updated each semester till his/her graduation.
- The semester GPA of the student is the weighted average of the grade points acquired in the courses passed in that semester*. It is calculated as follows:

$$\text{Semester GPA} = \frac{\sum (\text{No. of credit hours of each course} \times \text{corresponding GP})}{(\text{Total Registered Credits in current Semester})}$$

The number of credits used to calculate the Cumulative GPA is the number of credits registered by the student up to that date*.

$$\text{Cumulative GPA} = \frac{\sum (\text{No. of credit hours of each course} \times \text{corresponding GP})}{\text{Total Registered Credits in all Semesters}^*}$$

* Excluding failed courses' and transferred courses from other Universities' credits

7.1. Progression of Students:

Progression is determined by the number of Faculty requirements credit hours completed by students.

Students may progress to take any courses for which they have satisfactorily passed their prerequisites. Students may only register a maximum of 22 credit hours per semester (including English language and Computer science courses).

Concurrent courses have to be taken simultaneously in the same semester. To take any of these courses, therefore, all their corresponding prerequisite courses have to be satisfied.

University requirements (9 CH) and elective courses (4 CH) have to be successfully completed before graduation.

Degrees

The University offers the following Bachelor degree upon completion of the required credits:

BDS MSA University (211 credit hours)

Graduation

Students shall automatically receive the award of the University for which they are registered and qualify for upon completion of the requisite number of credits with a GPA equivalent to C or above at the end of the semester during which the total was achieved.

Graduation Ceremonies for each year are usually held in September (including the previous fall, spring and summer semesters).

7.2. Transferrals and Exemptions from Courses and Examinations

- Exemptions from parts of the programme and examinations may be granted only by the Faculty Board to students who have followed courses of study and passed examinations elsewhere substantially equivalent to those of the MSA University programme.
- The granting of such exemption will only be made when such application is supported by documentary evidence demonstrating a high level of concurrence between the content and standard of the previous programme and those parts of the MSA University programme and examination for which exemption is applied for.
- Applications for exemption must be made in writing by the student accompanied by all relevant information and documentation to the Faculty Dean who will forward them to the Heads of the relevant departments for consideration and recommendation, and shall subsequently be considered normally no later than the first subsequent meeting of the Faculty Board.
- All applications for exemption must be endorsed by the Faculty Academic Board.

7.3. Failure in Courses

Students must meet the deadline for submission of all coursework components and according to the requirements outlined in the Programme Handbook.

The student is considered a failure in the following cases:

- Students who fail to attend the final examination without acceptable extenuating circumstances.
- Students who fail to achieve 60% of the marks in Faculty requirement courses or 50% of the marks in University requirement courses and elective courses.

Students who fail to attend the midterm exam will not be deprived from completing the course but will lose all the marks of that exam, unless the University President, on the Faculty Dean's

recommendation, considers the extenuating circumstances acceptable and decides that the midterm exam marks are to be added to the marks of the final end of semester exam.

Summer courses will be organised and students will be allowed to attend a maximum of 8 CH. No student will be allowed to sit for re-exam in his failed course(s) unless he/she satisfactorily fulfils the requirements of the summer course(s).

7.4. Incomplete Courses

If a student fails to attend the end of semester exam for any emergency or exceptional circumstances, the University President, on the Dean's recommendation, may approve an incomplete grade. Follow-up examinations are to be set for such students at the end of the following semester.

8. Marking

8.1. Marking and Marking Moderation

All assessments are moderated to ensure that grades have been recorded accurately. Staff will mark answer sheets with secret codes to ensure that the marking process is totally unbiased.

Model answers are to be provided by Course Coordinators/Leaders as a guide for moderation. In the event that discrepancy arises between the examination marks of both midterm and final semester exams of a student whereby such student passes his/her examinations and fails his/her midterm marks or vice versa, or in the event that there is a high mean difference of 25% or more between the session work grade and the examination grades, such events will be investigated and assessed by the Faculty Assessment Board.

External examiners review exams and answer sheets with staff to ensure the fairness and objectivity of the assessment process.

8.2. Second Marking

A minimum sample of 10% of all answer sheets shall be remarked including all failures and not less than 5% of all passed papers. Remarking is undertaken by an internal examiner other than the course examiner. In the event that a second marker decides upon different marks for any of the papers remarked, he shall submit a report addressed to the Faculty Dean to such effect for a conclusive arbitration by the Faculty Board. A rationale should be provided in both cases of approval or changing of grades.

8.3. Condoning Failure

Condoning regulations are as follows:

1. Condoning regulations apply only if the student has scored a minimum of 30% in the final exam.
2. Failing students are entitled to 5 marks to be added to one or more courses in which he/she has failed subjects to scoring a min of 55% in the failed course.

3. The 5 marks are distributed over the largest possible failed courses.
4. In case of failure of two courses with the same grade, the priority for condonment will be granted to the non-core course,

8.4. Grade Appeals

Although the process of assessment is completely transparent, it allows for effective feedback. Thus despite the fair and accurate grading procedures, students are allowed to appeal their final grades. Students fill a Grade Appeal Form at the Faculty Registrar. The Faculty Registrar sends all grade appeals to the Examination Unit. The Examination Unit recalculates the total grade of the student from the records available and also checks that there is no indication that the examiners missed any questions or parts of questions during the marking of the answer sheets.

Students are allowed to submit grade appeals to the Registrar's office requesting the re-checking of the sum of coursework, midterm exam and final semester exam marks.

8.5. Publication of Results

Grades will be announced on notice boards and on the MSA University website at the end of each semester until before the beginning of the following semester.

8.6. Dismissal from Class

Students dismissed from classes for insubordination or other disciplinary reasons are not to return to class until the Dean of the Faculty permits it. MSA University Management cooperates with the teaching staff to maintain proper discipline.

8.7. General Regulations for the Conduct of Examinations

1. Except when prevented by illness or other sufficient cause, a student who fails to present himself/herself for examination at the time and place indicated in the published timetable will be deemed to have failed in that part of the examination. **Misreading of the timetable will not be regarded as an acceptable excuse.**
2. No candidate shall be permitted to enter the examination room after the lapse of fifteen minutes from the commencement of the examination.
3. No candidate shall be allowed to leave the examination room until after the expiration of half the time allocated for the examination.
4. Candidates are forbidden to take into the examination room any unauthorised books, manuscripts or other articles or any case or bag in which books, papers or unauthorised articles can be carried.
5. Candidates are forbidden to communicate with each other or to pass calculators or any other utensils to one another in the examination room. All enquiries must be addressed to the supervisor

6. Candidates are not allowed to carry cell phones into the examination room.
7. The impersonation of examination candidates is prohibited and **candidates must not allow themselves to be impersonated**.
8. The use of scrap paper is not permitted and all rough work must be done in the answer books provided.
9. Candidates must not leave the examination room until all their written work has been handed in.
10. Candidates must not remove from the examination room any answer books (whether used or unused) or any other data provided for use or other items of examination stationary except for any non-returnable question papers.

8.7.1. Academic Dishonesty and Plagiarism

MSA University students are expected to be honest in their academic endeavours. To falsify the results of one's work, to steal the words or ideas of another, to cheat on an examination, or to allow another to commit an act of academic dishonesty corrupts the basis of the academic process. All plagiarism cases are reported to the President's Office and are dealt with very severely. The minimum penalty for such cases is failing the course where this offence was committed. In some cases, the penalty may reach dismissal from the University for one semester or more based on the circumstances of the case. Academic dishonesty includes but is not limited to the following cases:

Plagiarism: is the inclusion of someone else's words, ideas or data as one's own. When students submit their work for credit that includes the words, ideas or data of others, the source of that information must be acknowledged through complete, accurate, and specific references and, if verbatim statements are included, through quotation marks as well. By placing his name on work submitted for credit, the student certifies the originality of all work not otherwise identified by appropriate acknowledgements. Plagiarism covers unpublished as well as published sources.

- 1- **Academic Dishonesty:** this includes but is not limited to the following cases:
 - Quoting another person's actual words, complete sentences or paragraphs, or entire piece of written work without acknowledgement of the source.
 - Using another person's ideas, opinions, or theory even if it is completely paraphrased in one's own words, without acknowledgement of the source.
 - Borrowing facts, statistics or other illustrative materials that are not clearly common knowledge without acknowledgement of the source.
 - Copying another student's essay test answers.
 - Copying, or allowing another student to copy, a computer file that contains another student's assignment, and submitting it, in part or in full, as one's own.
 - Working together on an assignment, sharing the computer files and programs involved, and then submitting individual copies of the assignment as one's own individual work

When in doubt about rules concerning plagiarism, students are urged to consult with

individual faculty members, academic departments, or recognized handbooks.

- 2- **Fabrication:** is the use of invented information or the falsification of research or other findings. Fabrication includes but is not limited to the following examples:
- Citation of information not taken from the source indicated. This may include the incorrect documentation of secondary source materials.
 - Listing sources in a bibliography that is not directly used in the academic exercise.
 - Submission in a paper, lab report or other academic exercise of falsified, invented, or fictitious data or evidence, or deliberate and knowing concealment or distortion of the true nature, origin or function of such data or evidence.
 - Submitting as one's own any academic exercises prepared totally or in part by another.
- 3- **Cheating:** is an act or an attempted act of deception by which a student seeks to misrepresent that he/she has mastered information on an academic exercise that he/she has not mastered. Cheating includes but is not limited to the following examples:
- Copying from another student's test paper.
 - Allowing another student to copy from a test paper.
 - Unauthorized use of course textbook or other material such as a notebook to complete a test or other assignment
 - Collaborating on a test, quiz or other project with any other person(s) without authorization.
 - Using or possessing specifically prepared materials during a test, e.g., notes, formula lists or unauthorized notes written by the student on any material.
 - Using electronic instruments, such as cell phones, pagers, etc., to share information, when prohibited.
- Taking a test for someone else or permitting someone else to take a test for him.
- 4- **Academic Misconduct** includes other academically dishonest acts such as tampering with grades or **taking part in obtaining or distributing any part of a test.**

8.7.2. Action against Plagiarism

The Faculty Assessment Board will take action against any student who plagiarizes whether through negligence, foolishness or deliberate intent. Students have to make sure that written material is acknowledged through the use of quotation marks, references and bibliographies. Information on the correct way of acknowledging work from other sources is available from campus learning resource centres, the English Language Support Union.

All plagiarism cases are reported to the President's Office and are dealt with very severely.

9. Professional and/or Statutory Body Requirements

MSA University programmes are accredited by the Supreme Council of Universities. Students who graduate from the MSA University can automatically join the relevant Syndicate for the

profession with no additional exams. Graduates of the Faculty of Dentistry, MSA University are automatically granted membership of the General Dentist's Syndicate.

This membership provides for a license from the Ministry of Health for MSA University Faculty of Dentistry graduates to practice dentistry in Egypt. This advantage is a tremendous asset to graduates in the job market. A one year internship in an accredited University or General Hospital is, however, mandatory before a graduate is allowed to practice dentistry on his own.

10. Timetables and Accessing Records

10.1. Timetables

The University schedule is published on the MSA University web-site at the beginning of each semester and students can access this schedule at any time.

Students are provided with a detailed timetable at the end of the registration period at the beginning of each semester. A student can take a replacement copy from the Faculty Registrar at any time. Printed copies of the Examination Schedules are available one week before exam periods.

10.2. Accessing Records

Students can access their own grades either by taking an informal copy of their ten semester plan or by ordering a formal transcript from the Faculty Registrar. Formal transcripts will be available one week following submission of an application.

10.3. Feedback to Students

Feedback on assessment performance is a vital communication process between staff members and students. Constructive feedback facilitates learning and subsequently enhances marks and grades. Feedback will therefore be used as an integral element of the assessment process.

Provision of feedback for a certain assessment will be provided before a student undertakes another. Although the subsequent assessment component will probably not assess the same learning outcomes as other course assessments, feedback on technique may be just as important as the particular subject content.

10.4. Feedback on Coursework

Oral and written feedback will be given following the submission of assignments and during group meetings. Feedback on coursework will be by written comments and a grade. Feedback will also be provided through group discussions and group work. Student contribution to these class discussions will be noted according to evidence relating to participation, preparation and attendance. Feedback on group case studies will be given during group sessions and on the day of the presentation.

10.5. Feedback on Examinations

Students may not be given specific feedback on written midterm and final semester examinations. The instructor may discuss generally with the whole class the model answer for each examination after it has been held as a means of improving future performance.

10.6. Proposition Courses/Dissertations/Projects

Dissertations are a form of coursework which involves the submission of a substantial report on a major project. Different approaches are taken in different subject areas.

Students will be provided with guidance and support during the process of writing a dissertation; this will usually take the form of individual/group tutorials with the instructor. Supervisors will hold open meetings with their dissertation students to solve the initial general/common problems of getting started.

Feedback on performance will be given to the students during the final presentation.

10.7. Viewing Scripts

Students are not allowed to view the scripts of midterm and final semester examinations. Instructors correct the answer sheets with secret code in both midterm and final semester examinations so that the identity of the student remains completely anonymous, thus insuring that the assessment is truly objective and reflects the students' true academic standard. Each answer sheet is marked by two independent examiners.

11. Copies of Past Examination Papers and Other Forms of Assessment

Past examination papers are a good guide to the sort of examination question that a student might encounter in his/her exams. Copies of past examination papers and other forms of assessment are available to all students at MSA University Library. Students order a copy and pay the required fee for photocopying the set of past examinations for each course. They receive it one week later. Sometimes, the syllabus for the course may have changed, and may not be concordant with what has appeared in past examination papers. Students are required to consult with their instructors concerning the validity of these samples.

12. Attendance

12.1. Attendance Requirements

Contact between the instructor and student is the most effective method of learning. Class discussions and comments enhance students' understanding of the course content and give a new dimension to the learning experience. For these reasons, students are required to satisfy certain attendance requirements. Students who fail to attend 75% of all lectures, practical sessions, clinical sessions and tutorials for any course will be deprived from the final semester examination of that course and automatically fail the course. Absences for medical reasons and emergencies are excluded from this regulation provided that the student attends a minimum of 60% of lectures and practical and/or clinical sessions.

12.2. Policy on Late Arrival

Late arrivals disrupt the class and deprive other students from the required degree of concentration. Students are only allowed into the class during the first five minutes of each lecture or the first ten minutes of any practical or clinical session. Otherwise, they miss the class or practical or clinical session and are recorded as absent.

During midterm and final semester examination periods, students are allowed to step in during the first 15 minutes of the examination time.

13. Feedback From Students

13.1. Boards of Study

The purpose of the Board of Study is to provide a forum for discussion between students and staff involved in all aspects of the programme.

Students elect two of their own class as student members of the board at the start of each semester to ensure that all the various interests on the programme are adequately represented.

Each programme holds board of study meetings once per semester. Membership includes:

- Student representatives;
- Subject/programme leader;
- Academic staff aligned to the delivery of the programme or courses; and
- Support services representatives.

Student representatives represent the course or semester group and are responsible for notifying the board of issues which have been brought to them by their colleagues. Students will be made aware of the function of the board of study, and that they should ensure that their representatives are alerted in good time to matters of concern, or to suggest initiatives.

At MSA, minutes are made of the discussion and decisions of each board meeting, and this is circulated to members with outcomes. The reports are included with the Faculty annual monitoring report for consideration by the University. The points raised at the meeting are carefully recorded for issues arising, and the action taken upon them.

13.2. Student Representatives

Student members of the Boards are elected at the start of each semester to ensure that all the various interests on the Programme are adequately represented. A Board of Study meeting is held once per semester, between s 6 and 8. There will be 2 students per semester to represent the student body.

13.3. Dates

Board of Study meetings will be held this academic year on the following dates. Student representatives are to attend:

Fall Semester:	Second Thursday in December	at 1:00 p.m.
Spring Semester:	Second Thursday in April	at 1:00 p.m.

13.4. Course Evaluation Forms and Programme Evaluation Questionnaire

Both Course and programme feedback forms are distributed to students throughout the academic year. The aim of this feedback process is to elicit students' views on the quality of all the courses they have taken, and their experience of being a student on that programme of study.

Course forms, which examine each course in some detail, will be distributed at the end of each semester. Programme questionnaires, which invite comment on students' programme in general, will be distributed at the end of their first and final years. Both sets of forms will be completely anonymous.

Students can expect to receive a report on any issues that have been identified. The report will also describe the measures taken to resolve any problems. All reports will be items for discussion during Board of Study meetings and will, where necessary, be reported upon during the annual monitoring process. The whole feedback process will also be reviewed on a regular basis to ensure that it is effective in helping provide a good quality experience for students.

14. Career's Advice and Opportunities/Placement/Mentoring/ Voluntary Work

MSA is keen to provide its students with competitive programmes that aim to prepare them to compete effectively in the job market. The academic advisors and tutors co-operate closely with the Career Placement Office which provides feedback on the skills required by the job market in each specific program. The office also provides feedback on points of strength of MSA graduates and comments on areas that require improvement. This continuous effort insures that programmes are up-to-date and relevant to the needs of both national and international employers.

The Career Placement Office organises periodical job fairs that aim to provide students with work opportunities. The office also contacts new employers to increase the number and to improve the standard of the portfolio of organisations recruiting MSA graduates.

15. Student Support

MSA considers that one of its main goals is to provide a unique, friendly and pleasant atmosphere for its students. Staff members and students interact together constantly as members of one large family. Support and guidance is provided to students mainly from the Faculty Registrar and Student Affairs. The services include:

- Advice on solving problems and the procedures to be followed.

- Enrolment and fees payment.
- Registration procedures.
- Advice on career placement and training opportunities.
- Disability support and guidance.
- Attendance excuses.
- Appeals and complaints.
- Counselling.
- Enrolment/Graduation Certificates.
- Provide advice on any issue that concerns students' welfare other than the above.

15.1. Subject Advice and Educational Guidance

Following upon MSA University's main mission to provide a well-rounded unique learning environment for its students, MSA has introduced many methods to provide academic advice and aid to all students through the following channels:

15.1.1. Academic Advisor

Academic advisors are available for students to offer advice and guidance during registration of courses. They also provide information to students about the different majors within each faculty. Assistants are also available to offer advice and support at all times.

15.1.2. Individual/Group Study

Teaching assistants in every specialty are available to offer extra help to students. They work with students either individually or in small groups according to their individual needs.

15.1.3. Information for Students with Disabilities

As an educational institution and employer, MSA recognises the equal rights of individuals and groups to be free from discrimination on the basis of sex, marital status, nationality, disability, and political and religious belief. The University accepts its responsibility in relation to these rights for people who are undertaking activities as part of their study or employment with MSA.

Thus, within this context, MSA supports any student with any form of physical disability who would require special tutorial help in academic reading and writing. Students with physical disabilities are taken into consideration not only in respect to examination arrangements but also in attendance and in the marking of coursework and examination papers, provided that the student has reported it at an early stage.

MSA University is committed to a continuous programme of upgrading its estate in order to improve accessibility for the disabled by incorporating provisions for wheelchair users (new campus in the sixth of October City). Thus this new campus includes the establishment of ramps, lifts, and toilets for disabled persons.

The Faculty of Dentistry, however, will impose certain constraints on physical disability as related to the requirements of the practice of dentistry.

15.2. English Language and Learning Support

MSA is an English Language medium instruction university. Students are required to sit for an English Language Placement Exam. Students who pass the Placement Exam would be accepted in the Faculty.

Students who need additional help and who have finished all the University language requirements are urged to contact the English Language Support Unit to arrange for extra help or to attend the extra group sessions as the need may arise.

16. Information and Learning Resources Services

Learning resources and support are provided by MSA University through different channels including:

16.1. IT Central Services

This unit controls and monitors the work of different Faculty IT Service Units. It also coordinates work between these units in the use of shared resources. The unit is also responsible for maintaining the IT infrastructure in the University.

16.2. Faculty IT Services Unit

This unit is responsible for providing hardware and software packages for the faculty requirements; as well as maintenance of equipment. It is also responsible for equipping all computers with different operating system platforms, database management systems, programming languages, software development kits, and education software tools to provide suitable training for different fields of specialisation.

It is also responsible for providing support to all instructors and students in using the audio-visual aids provided by the University.

16.3. Library Services

MSA library keeps books and periodicals ordered by University Faculties. Video, cassette tapes, and CD ROMs are provided for all subjects. Two big computer labs are annexed providing access to the Internet and the university's electronic library offering a broad range of full text database designed for research. The book store is responsible for providing handbooks to students at the beginning of each semester.

17. Health and Safety

Students have the same health and safety responsibilities as any other employee at MSA University and they must take reasonable care of their own health and safety and those of other people.

Special precautions will also be taken to safeguard Faculty of Dentistry Staff and Students and their patients against the risks of contracting communicable diseases such as AIDS and Hepatitis virus infections.

18. The Role of Employers in Programme Design and Delivery

The aim of MSA is to graduate dentists who are competent professional practitioners.

This is achieved by the influence of potential employers on the design and delivery of the dental courses through the extracurricular lectures tutored by external Professors from the Health Care fields.

This is in addition to the occasional meetings and exhibitions organised by the MSA and multinational employers in the University Campus to introduce the features required by those employers in the newly graduated student which raises their opportunities to be employed in such multinational employers.

MSA Faculty of Dentistry also invites leaders of the dental profession and potential employers in Egypt and in different Arab countries to visit its premises and to get acquainted with the Faculty facilities and courses, and to offer their comments and criticisms, as a means of improving its programmes and its graduate's chances in the Egyptian and Arab job market.

19. The Overall Programme Curriculum

Notes on Courses, Course Codes and Numbering

Course Codes

SGS	Supporting General Science	ENG	English Language
HPT	Histopathology	CSD	Computer Science for Dentistry
PRS	Prosthetic Dentistry	BAD	Business Administration
RES	Restorative Dentistry	PSY	Psychology & Sociology
OSA	Oral Surgery and Anaesthesia	DEL	Dental Ethics and Legal Aspects
OMD	Oral Medicine and Diagnosis	STC	Statistics
POD	Paedodontics and Orthodontics	EET	Elementary Electronics
MPH	Medical Photography	DIN	Dental Informatics
EQM	Equipment Maintenance		

Course Numbering

The number xyz is a three digit number where:

X is a digit between 1 and 5 denoting the **academic year** in which the course is delivered.

Y is a digit between 1 and 6 denoting the semester **within a stage** in which the course is delivered.

Z is an identifying digit.

Educational Requirements

Courses representing University Requirements are as follows:

Course Code	Course Name	Lecture Hours	Lab Hours	Total Hours	Credit Hours	Contact Hours
ENG 111b	English Language 1	3	-	3	3	45
ENG 102d	English Language 2	3	-	3	3	45
CSD 101	Introduction to Computer Science	2	2	4	3	60

Elective Courses (only 4 credits from the following courses):

Course Code	Course Name	Lecture Hours	Practical / Tutorial Hours	Total Hours	Credit Hours	Contact Hours
ENG 201	English Language for Research	3	2	5	3	75
BAD 200	Business Administration	2	0	2	2	30
EET 200	Elementary Electronics	1	2	3	2	45
NUT 200	Nutrition	2	0	2	2	30
MPH 200	Medical Photography	2	0	2	2	30
GMS 200	General Material Science	1	2	3	2	45
PSY 200	Introduction to Psychology & Sociology	2	0	2	2	30
STC 200	Advanced Statistics	2	0	2	2	30
DIN 200	Dental Informatics	1	2	3	2	45
BLS 200	Basic Life Support	1	2	3	2	45

Faculty Requirements

Preclinical Stage, Lectures, Practical Sessions, Credit Hours and Contact Hours / Semester

Prerequisites	Code	Course Name	Lctrs	Prct	CH	Cntct Hrs
None	SGS 111	Inorganic Chemistry	2	2	3	60
None	SGS 112n	Physical Chemistry	1	0	1	15
None	SGS 113	Physics	2	2	3	60
None	SGS 114n	Zoology	1	2	2	45
None	SGS 115n	Botany	1	2	2	45
None	SGS 116n	Statistics	1	0	1	15
None	HPT 111n	Descriptive Dental Anatomy-1	1	4	3	75
None	SGS 121	Organic Chemistry	3	2	4	75
SGS 111, 112, 113	PRS 121n	Dental Materials-1	2	2	3	60
SGS 114	SGS 122n	General Histology-1	2	2	3	60
SGS 115	SGS 123n	Medical Microbiology-1	1	2	2	45
None	SGS 124n	Principles of Genetics	1	0	1	15
HPT 111n	HPT 121n	Descriptive Dental Anatomy-2	1	4	3	75
None	DEL 121n	Dental Ethics and Legal Aspects	1	0	1	15
PRS 121n	PRS 231n	Dental Materials-2	2	2	3	60
SGS 122	SGS 232n	General Histology-2	2	2	3	60
SGS 123n	SGS 233n	Medical Microbiology-2	1	2	2	45
SGS 122n	HPT 231	Oral Biology-1	2	2	3	60
SGS 114	SGS 234	General Anatomy-1	2	2	3	60
SGS 114	SGS 235	Human Physiology-1	3	2	4	75
SGS 121	SGS 236	Biochemistry-1	2	2	3	60
PRS 231n, HPT 121n	RES 241	Operative Dentistry Technology-1	1	2	2	45
PRS 231n	PRS 241	Applied Dental Materials-3	1	2	2	45
PRS 231	PRS 242	Removable Prosthetics Technology-1	1	2	2	45
HPT 231	HPT 241	Oral Biology-2	2	2	3	60
SGS 115, SGS 235	SGS 242	Pharmacology-1	1	2	2	45
SGS 234	SGS 244	General Anatomy-2	2	2	3	60
SGS 235	SGS 245	Human Physiology-2	2	2	3	60
SGS 236	SGS 246	Biochemistry-2	2	2	3	60
RES 241	RES 351	Operative Dentistry Technology-2	1	4	3	75
PRS 241n, RES 241n	PRS 351	Fixed Prosthetics Technology-1	1	4	3	75
PRS 242n	PRS 352	Removable Prosthetics Technology-2	1	4	3	75
SGS 232n-233n-245n	SGS 351	General Pathology-1	2	2	3	60
SGS 242	SGS 352	Pharmacology-2	1	2	2	45
SGS 113	OMD 351	Dental Radiology-1	1	2	2	45
RES 351	RES 361	Operative Dentistry Technology-3	1	4	3	75
PRS 351n	PRS 361	Fixed Prosthetics Technology-2	1	4	3	75
PRS 352	PRS 362	Removable Prosthetics Technology-3	1	4	3	75
SGS 351n	SGS 361	General Pathology-2	2	2	3	60
HPT 241n - SGS 351	HPT 361n	Oral Pathology-1	4	2	5	90
HPT 241n	POD 361n	Orthodontics-1	1	2	2	45
OMD 351n	OMD 361n	Dental Radiology-2	2	2	3	75
		Total	65	92	111	2370

Clinical Stage, Lectures, Clinical Sessions, Credit Hours and Contact Hours/Semester

Prerequisites	Code	Course Name	Lctrs	Clncl	CH	Cntct Hrs
RES 361	RES 411	Clinical Operative Dentistry-1	1	2	2	45
RES 241	RES 412	Endodontics Technology	1	2	2	45
PRS 361	PRS 411n	Clinical Fixed Prosthodontics-1	1	2	2	45
PRS 362	PRS 412n	Clinical Removable Prosthodontics-1	1	2	2	45
HPT 361	HPT 411n	Oral Pathology-2	3	2	4	75
SGS 361	SGS 411	General Medicine-1	2	2	3	60
SGS 361	SGS 412	General Surgery-1	2	2	3	60
HPT 361	OMD 411n	Oral Medicine, Diagnosis & Radiology-1	1	2	2	60
HPT 361	OSA 411a	Oral Surgery & Anaesthesia-1	2	2	3	60
RES 411	RES 421	Clinical Operative Dentistry-2	1	4	3	75
RES 412	RES 422	Endodontics Technology-2	1	2	2	45
PRS 411	PRS 421n	Clinical Fixed Prosthodontics-2	1	4	3	75
PRS 412	PRS 422n	Clinical Removable Prosthodontics-2	1	4	3	75
POD 361	POD 421n	Orthodontics-2	1	2	2	45
SGS 411	SGS 421	General Medicine-2	2	0	2	30
SGS 412	SGS 422	General Surgery-2	2	0	2	30
OMD 411a	OMD 421	Oral Medicine, Diagnosis & Radiology-2	2	2	3	60
OSA 411a	OSA 421	Oral Surgery & Anaesthesia -2	2	2	3	60
RES 421	RES 531a	Clinical Operative Dentistry-3	1	4	3	75
PRS 421	PRS 531	Clinical Fixed Prosthodontics-3	1	4	3	75
PRS 422	PRS 532a	Clinical Removable Prosthodontics-3	1	4	3	75
RES 411,	RES 532n	Clinical Endodontics-1	2	2	3	45
RES 421	POD 532a	Paedodontics-1	2	-	2	30
OMD 421, HPT 411	OMD 531n	Oral Medicine & Periodontology-3	3	2	4	75
OSA 421, HPT 411	OSA 531	Oral Surgery & Anaesthesia -3	2	2	3	60
RES 531a	RES 541a	Clinical Operative Dentistry-4	1	4	3	75
PRS 531	PRS 541n	Clinical Fixed Prosthodontics-4	1	4	3	75
PRS 532a	PRS 542n	Clinical Removable Prosthodontics-4	1	4	3	75
RES 532	RES 542n	Clinical Endodontics-2	1	2	2	60
POD 532a	POD 542n	Paedodontics-2	1	2	2	45
OMD 531a	OMD 541n	Oral Medicine & Periodontology -4	2	2	3	60
OSA 531	OSA 541a	Oral Surgery & Anaesthesia -4	3	2	4	75
		Total	49	76	87	1890

Totals

	Lctrs	Prct	CH	Cntct Hrs
Preclinical Stage	65	92	111	2370
Clinical Stage	49	76	87	1890
Total	114	168	198	4260

Preclinical Subjects, Examinations and Marks

Code	Course Name	Qzz/	Mdtrm	Prctcl	Oral	Wrtn	Total
SGS 111n	Inorganic Chemistry	10	10	30	-	50	100
SGS 112n	Physical Chemistry	20	20	-	-	60	100
SGS 113	Physics	10	10	30	-	50	100
SGS 114n	Zoology	10	10	30	-	50	100
SGS 115n	Botany	10	10	30	-	50	100
SGS 116n	Statistics	20	20	-	-	60	100
HPT 111n	Descriptive Dental Anatomy-1	10	20	20	-	50	100
SGS 121	Organic Chemistry	10	10	30	-	50	100
PRS 121n	Dental Materials-1	10	20	20	-	50	100
SGS 122n	General Histology-1	10	10	20	10	50	100
SGS 123n	Medical Microbiology-1	10	10	20	10	50	100
SGS 124n	Principles of Genetics	20	20	-	-	60	100
HPT 121n	Descriptive Dental Anatomy-2	10	20	20	-	50	100
DEL 121n	Dental Ethics and Legal Aspects	20	20	-	-	60	100
PRS 231n	Dental Materials-2	10	20	20	-	50	100
SGS 232n	General Histology-2	10	10	20	10	50	100
SGS 233n	Medical Microbiology-2	10	10	20	10	50	100
HPT 231	Oral Biology-1	10	20	20	-	50	100
SGS 234	General Anatomy-1	10	10	20	10	50	100
SGS 235	Human Physiology-1	10	10	20	10	50	100
SGS 236	Biochemistry-1	10	10	20	10	50	100
RES 241	Operative Dentistry Technology-1	10	20	30	-	40	100
PRS 241	Applied Dental Materials-3	10	20	20	-	50	100
PRS 242	Removable Prosthetics Technology-1	10	20	30	-	40	100
HPT 241	Oral Biology-2	10	20	20	-	50	100
SGS 242	Pharmacology-1	10	10	20	10	50	100
SGS 244	General Anatomy-2	10	10	20	10	50	100
SGS 245	Human Physiology-2	10	10	20	10	50	100
SGS 246	Biochemistry-2	10	10	20	10	50	100
RES 351	Operative Dentistry Technology-2	10	20	30	-	40	100
PRS 351	Fixed Prosthetics Technology-1	10	20	30	-	40	100
PRS 352	Removable Prosthetics Technology-2	10	20	30	-	40	100
SGS 351	General Pathology-1	10	10	20	10	50	100
SGS 352	Pharmacology-2	10	10	20	10	50	100
OMD 351	Dental Radiology-1	10	10	20	10	50	100
RES 361	Operative Dentistry Technology-3	10	20	30	-	40	100
PRS 361	Fixed Prosthetics Technology-2	10	20	30	-	40	100
PRS 362	Removable Prosthetics Technology-3	10	20	30	-	40	100
SGS 361	General Pathology-2	10	10	20	10	50	100
HPT 361	Oral Pathology-1	10	20	20	10	40	100
POD 361	Orthodontics-1	10	10	30	10	40	100
OMD 361	Dental Radiology-2	10	10	20	20	40	100

Clinical Subjects, Examinations and Marks

Code	Course Name	Qzz	Mdtrm	Clncl	Oral	Wrtn	Total
RES 411	Clinical Operative Dentistry-1	20	10	30	10	30	100
RES 412	Endodontics Technology-1	20	20	30	-	30	100
PRS 411	Clinical Fixed Prosthodontics-1	20	10	30	10	30	100
PRS 412	Clinical Removable Prosthodontics-1	20	10	30	10	30	100
HPT 411	Oral Pathology-2	10	20	20	10	40	100
SGS 411	General Medicine-1	10	10	10	15	40+15	100
SGS 412	General Surgery-1	10	10	10	15	40+15	100
OMD 411a	Oral Medicine, Diagnosis & Radiology-1	20	10	20	10	40	100
OSA 411a	Oral Surgery & Anaesthesia-1	10	10	30	10	40	100
RES 421	Clinical Operative Dentistry-2	20	10	30	10	30	100
RES 422	Endodontics Technology-1	20	20	30	-	30	100
PRS 421	Clinical Fixed Prosthodontics-2	20	10	30	10	30	100
PRS 422	Clinical Removable Prosthodontics-2	20	10	30	10	30	100
POD 531	Orthodontics-2	10	10	30	10	40	100
SGS 421	General Medicine-2	10	10	10	15	40+15	100
SGS 422	General Surgery-2	10	10	10	15	40+15	100
OMD 421	Oral Medicine, Diagnosis & Radiology-2	20	10	20	10	40	100
OSA 421	Oral Surgery & Anaesthesia -2	10	10	30	10	40	100
RES 531a	Clinical Operative Dentistry-3	10	10	30	10	40	100
PRS 531	Clinical Fixed Prosthodontics-3	10	10	30	10	40	100
PRS 532a	Clinical Removable Prosthodontics-3	10	10	30	10	40	100
RES 532n	Clinical Endodontics-1	10	10	30	10	40	100
POD 532a	Paedodontics-1	20	10	20	10	40	100
OMD 531n	Oral Medicine & Periodontology-3	20	10	20	10	40	100
OSA 531a	Oral Surgery & Anaesthesia -3	10	10	30	10	40	100
RES 541a	Clinical Operative Dentistry-4	20	10	30	10	30	100
PRS 541	Clinical Fixed Prosthodontics-4	20	10	30	10	30	100
PRS 542a	Clinical Removable Prosthodontics-4	20	10	30	10	30	100
RES 542n	Clinical Endodontics-2	20	10	30	10	30	100
POD 542a	Paedodontics-2	20	20	20	10	40	100
OMD 541n	Oral Medicine & Periodontology -4	10	20	20	10	40	100
OSA 541a	Oral Surgery & Anaesthesia -4	10	10	30	10	40	100

Abbreviations used in column titles:

Qzz	Quizzes & Course Work
Mdtrm	Midterm
Prctcl	Practical
Clncl	Clinical
Wrtn	Written

Clinical sessions are continuous throughout July and August. This practical summer training is optional.

- Fifteen marks are devoted to the dermatology and the venereal courses and for E.N.T. and Ophthalmology courses. Their examinations are held as written examinations only in conjunction with the General Medicine and the General Surgery exams respectively.

Preclinical Requirements:

The following minimum requirements must be fulfilled before a student is allowed to sit for the sixth semester exams in the respective courses:

- **Operative Dentistry:**
 - Cavity Preparation: 30 cavity preparations including at least 4 of each class of cavity.
 - Amalgam Fillings: 20 amalgam fillings including at least 4 class II and 3 MODs.
 - Composite Fillings: 12 composite fillings including at least 3 class II posterior composite fillings and 3 class III fillings.
- **Endodontics:**
 - Single Rooted Teeth: preparation and obturation of 4 root canals.
 - Multi-Rooted Teeth: preparation and obturation of root canals in 2 teeth.
- **Fixed Prosthodontics:**
 - Crowns: tooth preparation and fabrication of at least 4 full veneer crowns.
 - Bridges: tooth preparation and fabrication of at least 2 simple 3-unit bridges.
- **Removable Prosthodontics:**
 - Full Dentures: laboratory fabrication of 2 full dentures.
 - Partial Dentures: laboratory fabrication of 3 partial dentures of which at least one is a metal-based partial denture.

Clinical Requirements

The following minimum requirements must be fulfilled before a student is allowed to sit for the final tenth semester exams in the respective courses:

- **Operative Dentistry:**
 - Twenty amalgam fillings including not less than 3 class II and 2 MODs.
 - Twelve composite fillings including not less than 4 posterior composites.
- **Endodontics:**
 - Four root canal fillings of single rooted teeth,
 - One root canal filling of a multi-rooted tooth.
- **Fixed Prosthodontics:**
 - Crowns: 4 veneer crowns.
 - Bridges: 2 simple 3-unit bridges.
- **Removable Prosthodontics:**
 - Eight full dentures
 - Four partial dentures including at least 1 metal-based partial denture.
- **Oral Surgery:**
 - Completed 20 extractions and 2 cases of removal of remaining roots.

- Assisted in two minor oral surgery procedures in 4th year and performed at least two minor oral surgery procedures in the 5th year.
- Attended two major oral surgical operations.
- **Oral Medicine and Periodontology:**
 - Treatment of at least 3 patients of whom at least one that requires major periodontal treatment, as well as 4 cases of scaling, polishing and root planning.
 - Attending and participating in oral diagnosis clinic.
 - Submission of two written reports and treatment plans for two patients requiring oral and periodontal treatment.
- **Paedodontics:**
 - Treatment of at least 6 paediatric patients including advanced restorative procedures such as:
 - Pulpotomy of deciduous molars.
 - Prefabricated crowns.
 - Veneer crowns.
 - Attending and participating in paediatric diagnostic clinics.
- **Orthodontics:**
 - Fabrication of 2 simple removable orthodontic appliances.
 - Two reports on 2 patients that they have examined in the orthodontic clinic.
- **Oral Radiology:**
 - Taking not less than 3 full mouth intra-oral radiographs.
 - Taking two panoramic radiographs.
 - Written at least 2 reports on radiographic examination of 3 cases.
- **Oral Pathology:**
 - Diagnosis and reporting on at least 2 biopsy specimens.

20. The Faculty of Dentistry Grading Scheme

Letter Grade	Marks	GPA	Grade Description
A	≥ 90%	4	Excellent
A-	< 90% - ≥ 85%	3.67	
B+	< 85% - ≥ 80%	3.33	V. Good
B	< 80% - ≥ 75%	3	
B-	< 75% - ≥ 70%	2.67	Good
C+	< 70% - ≥ 65%	2.33	
C	< 65% - ≥ 60%	2	Pass
F	< 60%	0	Fail
University requirements and elective courses			
C-	< 60 - ≥ 56%	1.67	Pass
D+	< 56 - ≥ 53%	1.33	
D	< 53 - ≥ 50%	1	
F	< 50%	0	Fail

Achieved less than 60% of the Marks	F	0
Deprived from attending the Exam	F1	0
Did not attend the Exam	F2	0
Less than 30% in the Written Exam	F3	0

21. GUIDE TO THE RULES AND REGULATIONS FOR REGISTRATION

1. All new students, even transferred students, have to take the **English Language placement examination**.
2. English Language courses; and computer Science courses (University Requirements) **have to take priority** in registration for all students until they pass all required courses in these two subjects.
3. Students have to register strictly **according to the curriculum map** in **early levels** before they can register in **higher levels**, i.e. semester one courses before semester two and so on.
4. Students may not register in level three courses until they have passed all level one courses, they may not register in level four courses until they have passed all level two courses and so on. (Curriculum map is published on the notice board).
5. Students may not register in any courses until they have **passed the prerequisite courses** according to the curriculum map.
6. Students whose cumulative GPA is **less than 1** can only register a total of **12 credit hours** (English Language and computer Science courses included).
7. Students whose cumulative GPA is between **1 and 2** can register no more than **15 CH**, English and Computer Science courses are included and have to **take priority in registration** until the student has passed these two subjects.
8. Students whose cumulative GPA is greater than or equal **2** can take the **normal load**.
9. Students whose cumulative GPA is over 3.67 on their graduating semester can take one

(See following curriculum map)

Progression and Prerequisites

Sem	Course	Credits	Prerequisites	Credit Hrs
Sem 1	SGS 111 Inorg. Chem.	3		22
Sem 1	SGS 112 Phys.. Chem	1		
Sem 1	SGS111b Org. Chem	4		19
Sem 2	SGS 122 G Histol	3		
Sem 2	SGS 123 Microbiol	2		21
Sem 2	SGS 124 Genetics	1		
Sem 2	DEL 121 Ethics	2		21
Sem 2	HPPT 121 Human Dent	3		
Sem 2	ENG 102d English Lang	3		20
Sem 2	CSD100 Computer Sc	3		
Sem 3	SGS 231 D Materials	3		21
Sem 3	SGS 232 G Histol	3		
Sem 3	SGS 233 Microbiol	2		21
Sem 3	HPPT 231 O Biol	3		
Sem 3	SGS 234 G Anatomy	3		20
Sem 3	SGS 235a Physiol	4		
Sem 3	SGS 236 Biochem	3		21
Sem 3	SGS 246 Biochem	3		
Sem 4	RES 241 Pre Oper	2		21
Sem 4	PRRS 241 App Mater	2		
Sem 4	PRRS 242 Pre Prosth	2		21
Sem 4	SGS 242 Pharmacol	2		
Sem 4	HPPT 241 O Biol	3		21
Sem 4	SGS 244 G Anatomy	3		
Sem 4	SGS 245 Physiol	3		21
Sem 4	SGS 246 Biochem	3		
Sem 5	RES 351 Pre Oper	3		21
Sem 5	PRRS 351 Pre Crown	3		
Sem 5	PRRS 352 Pre Prosth	3		21
Sem 5	SGS 351 G Pathol	3		
Sem 5	OMD 351 O Radiol	2		21
Sem 5	SGS 361 G Pathol	3		
Sem 5	OMD 361n O Radiol	3		21
Sem 5	SGS 361 Pre Oper	3		
Sem 5	PRRS 361 Pre Crown	3		21
Sem 5	PRRS 362 Pre Prosth	3		
Sem 5	SGS 361 Pre Oper	3		21
Sem 5	POD 361 Orthodont	2		
Sem 5	HPPT 411 O Pathol	4		21
Sem 5	SGS 411a G Medicine	3		
Sem 5	SGS 412a G Surgery	3		21
Sem 5	OMD 411 O Medicine	2		
Sem 5	OSA 411 O Surgery	3		21
Sem 5	SGS 421a G Medicine	2		
Sem 5	SGS 422a G Surgery	2		21
Sem 5	OMD 421 O Medicine	3		
Sem 5	OSA 421 O Surgery	3		21
Sem 5	RES 421 Oper Dent	3		
Sem 5	PRRS 421 Cr & Br	3		21
Sem 5	PRRS 422 Prosth Dent	3		
Sem 5	RES422 Endodont-2	2		21
Sem 5	RES412 Endodontics1	2		
Sem 5	POD 421 Orthodont	2		21
Sem 5	SGS 411a G Medicine	3		
Sem 5	SGS 412a G Surgery	3		21
Sem 5	OMD 411 O Medicine	2		
Sem 5	OSA 411 O Surgery	3		21
Sem 5	RES 411 Oper Dent	2		
Sem 5	PRRS 411 Cr & Br	2		21
Sem 5	PRRS 412 Prosth Dent	2		
Sem 5	RES412 Endodontics1	2		21
Sem 5	POD 421 Orthodont	2		
Sem 5	SGS 411a G Medicine	3		21
Sem 5	SGS 412a G Surgery	3		
Sem 5	OMD 411 O Medicine	2		21
Sem 5	OSA 411 O Surgery	3		
Sem 5	RES 411 Oper Dent	2		21
Sem 5	PRRS 411 Cr & Br	2		
Sem 5	PRRS 412 Prosth Dent	2		21
Sem 5	RES412 Endodontics1	2		
Sem 5	POD 421 Orthodont	2		21
Sem 5	SGS 411a G Medicine	3		
Sem 5	SGS 412a G Surgery	3		21
Sem 5	OMD 411 O Medicine	2		
Sem 5	OSA 411 O Surgery	3		21
Sem 5	RES 421 Oper Dent	3		
Sem 5	PRRS 421 Cr & Br	3		21
Sem 5	PRRS 422 Prosth Dent	3		
Sem 5	RES422 Endodont-2	2		21
Sem 5	RES 532 Endodont	3		
Sem 5	POD 532a Paedodont	2		21
Sem 5	RES 531a Oper Dent	3		
Sem 5	PRRS 531a Cr & Br	3		21
Sem 5	PRRS 532 Prosth Dent	3		
Sem 5	RES 532 Endodont	3		21
Sem 5	RES 542 Endodont	2		
Sem 5	POD 542a Paedodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a Oper Dent	3		
Sem 5	PRRS 541a Cr & Br	3		21
Sem 5	PRRS 542 Prosth Dent	3		
Sem 5	RES 542 Endodont	2		21
Sem 5	RES 541a 			

لمرحلة البكالوريوس

الباب الأول
التعريف بالكلية وأهدافها

ماده (1)

كلية طب الأسنان هي إحدى كليات جامعة العلوم الحديثة والآداب، وهي معنية بإعداد الكوادر اللازمة لممارسة مهنة طب الفم والأسنان، وهي تختص بالتعليم والبحث العلمي والتدريب في هذا المجال. ومهنة طب الأسنان هي مهنة تخصصية تطبيقية تُكتسب فيها المهارات بقاعده علمية قوية وإطلاع مستمر وتدريب ينتج عن الممارسه، وفي المجتمعات النامية مثل المجتمع المصري والعربي علي حد سواء تعتبر الوقايه الصحيه من الإهتمامات الرئيسيه، ومن أهم المداخل لذلك هو الإهتمام بصحة الفم والأسنان. لذا يهدف إنشاء كلية طب الأسنان لتحقيق الأهداف الآتية:

- أ. إعداد كوادر من أطباء الأسنان المتميزين وعلى درجة عالية من مهاره العلميه و العمليه.
- ب. توفير فرص التدريب والتعليم المستمر سواءً لخريجي الكلية أو لجميع العاملين في مجال طب الأسنان بهدف رفع كفاءتهم وإطلاعهم علي كل تطور جديد بيولوجياً وتكنولوجياً في مجال طب الأسنان.
- ج. تطبيق النظم الحديثه في طرق التدريس والتدريب والامتحانات والأبحاث.
- د. تخريج طبيب أسنان قادر علي تلبية احتياجات المجتمع سواء العلاجي أو الوقائي محلياً وعالمياً.
- هـ. فتح المجال للتعاون بين الطلاب وخريجي الكلية مع مراكز الأبحاث والمعاهد العلميه المماثله للارتقاء بالمهنه وفتح المجال الدولي للدراسه والعمل بالخارج.

ماده (2)

يكون لكلية طب الأسنان مجلس كليه لإدارة شئونها و يتكون المجلس من:

- أ. عميد الكليه : يتم تعيينه وبيانه اختصاصاته وفقاً لأحكام القوانين المنظمه لإنشاء الجامعات الخاصه ولائحتها التنفيذية واللائحه الداخليه للجامعه والكليه.
 - ب. وكلاء الكليه.
 - ج. رؤساء الأقسام.
 - د. عضو من الأساتذه المساعدين واخر من المدرسين بالكليه يختاران سنوياً من بين أعضاء هيئة التدريس بترتيب أقدميتهم وعضوان علي الأكثر من ذوي الخبره من الخارج، وذلك بعد أخذ موافقة رئيس الجامعه.
- يختص مجلس الكليه بالنظر في موضوعات التخطيط والتنسيق والمتابعه والتطوير لشئون الكليه، وعلي الأخص النظر في نظم التدريس وتوزيع الدروس علي أعضاء هيئة التدريس طبقاً لمقترحات مجالس الأقسام، وندب الأعضاء للتدريس من خارج الكليه وتحديد مواعيد الامتحانات والنظر في نتائجها طبقاً للقانون وللنظام الأساسي للجامعه.

ماده (3)

تتكون كلية طب الأسنان من الأقسام التاليه:

- أ. قسم هيستولوجيا وبنالوجيا الفم والأسنان، ويشمل التخصصات التاليه:
 - 1- التشريح الوصفي للأسنان.
 - 2- بيولوجيا الفم والأسنان.
 - 3- باثولوجيا الفم والأسنان.
- ب. قسم الأستعاضه الصناعيه للأسنان ويشمل التخصصات التاليه:
 - 1- خواص المواد في طب الأسنان.
 - 2- التركيبات المتحركه للأسنان.
 - 3- التركيبات الخاصه للوجه والفكين.
 - 4- التركيبات الخاصه بغرس الأسنان.

ج. قسم علاج الأسنان التحفظى ويشمل التخصصات التاليه:

- 1- الجراحه التحفظيه و التجميليه للأسنان.
- 2- التيجان والجسور
- 3- علاج الجذور.

د. قسم جراحة الفم والتخدير ويشمل التخصصات التاليه:

- 1- جراحة الفم ويشمل جراحة الوجه والفكين.
- 2- التخدير الموضعى.
- 3- التخدير العام.

هـ. قسم طب الأسنان للأطفال ويشمل التخصصات التاليه:

- 1- علاج أمراض أسنان الأطفال.
- 2- تقويم الأسنان.
- 3- طب الأسنان الوقائى والصحه العامه للفم.

و. قسم علاج أمراض الفم ويشمل التخصصات التاليه:

- 1- طب الفم.
- 2- أمراض اللثة.
- 3- التشخيص والأشعه.

ز. قسم التخصصات المعاونه ويشمل:

- 1- الكيمياء (غير العضوية – الفيزيائية – العضوية).
- 2- الطبيعة.
- 3- علم الحيوان.
- 4- علم النبات.
- 5- علم الإحصاء.
- 6- الهيستولوجيا العامة.
- 7- الميكروبيولوجيا العامة.
- 8- علم الوراثة.
- 9- آداب وقوانين المهنة
- 10- التشريح العام.
- 11- الفيسيولوجيا العامة.
- 12- الكيمياء الحيوية.
- 13- الأقربازين.
- 14- الباثولوجيا العامة.
- 15- الأمراض الباطنة والأمراض الجلدية
- 16- الجراحة العامة وأمراض الأنف والأذن والحنجرة وأمراض العيون

ماده (4)

تمنح الجامعه بناء على طلب مجلس كلية طب الأسنان درجة البكالوريوس فى طب وجراحة الفم والأسنان B.D.S. (Bachelor of Dental Surgery).

الباب الثاني
نظام الدراسه

ماده (5)

مدة الدراسة لنيل درجة البكالوريوس في طب وجراحة الفم والأسنان خمس سنوات دراسية تكون الدراسة فيها كل الوقت، وهي مقسمة على عشر فصول دراسية، بالإضافة إلى فصول صيفية اختيارية. وتنقسم الدراسة إلى مرحلتين كالتالي:

- 1- المرحلة ما قبل الإكلينيكية (تتكون من ستة فصول دراسية)
- 2- المرحلة الإكلينيكية (تتكون من أربعة فصول دراسية)

ماده (6)

المواد التي تدرس لنيل درجة بكالوريوس في طب الأسنان وهي:

- 1- المرحلة ما قبل الإكلينيكية:
الكيمياء (العضوية وغير العضوية والكيمياء الفيزيائية)- الفيزياء- مبادئ الأحصاء- الوراثة- علم النبات- علم الحيوان- التشريح الوصفي للأسنان.
تشريح عام- هستولوجيا عامه- فسيولوجيا عامه- كيمياء حيوية- خواص المواد المستخدمة في طب الأسنان- بيولوجيا الفم- تكنولوجيا العلاج التحفظي- تكنولوجيا التيجان والجسور- تكنولوجيا الأستعاضه الصناعيه للأسنان- تكنولوجيا علاج الجذور- ميكروبيولوجيا عامه- باثولوجيا عامه- الأقربازين- آداب وقوانين المهنة - بثالوجيا الفم (1) - أشعة الفم.

{ اللغة الأنجليزية	{ متطلبات الجامعه
{ علوم الحاسب الآلي	{

- 2- المرحلة الأكلينيكية:
الأمراض الباطنية والجلديه والتناسليه- الجراحه العامه والأنف والأذن والحجره والرمد- بثالوجيا الفم (2) - العلاج التحفظي للأسنان - التيجان والجسور- الأستعاضه الصناعيه للأسنان- علاج الجذور- جراحة الفم والتخدير- طب الفم وأمراض اللثة والتشخيص وأشعة الفم - تقويم الأسنان - طب أسنان الأطفال - طب الأسنان الشرعي والوقائي والصحة العامه للفم.
- 3- مواد إختياريه يختار الطالب اثنتين منها يدرسها خلال الفصول الدراسية التاليه للفصل الأول ويكون الاختيار بتوجيه من المشرف الأكاديمي للطالب:
إدارة أعمال - مبادئ الإلكترونيات - مبادئ صيانة أجهزة الكترونيه - التصوير الفوتوجرافي الطبي - خواص مواد عام - علم النفس والاجتماع - إحصاء - لغة إنجليزية - المعلوماتية والحاسب الآلي في طب الأسنان..
- 4- يكون تسجيل الطالب للدراسة مرتبطين بالمواد المؤهلة لكل مقرر طبقاً للخريطة الدراسية (انظر ص 20 & والخريطة التالية).

ماده (7)

أحكام عامه:

- 1- ينقسم العام الدراسي إلى فصلين دراسيين يتخللهما امتحانات دوريه على مدى الفصل الدراسي.
- 2- يتقدم الطالب للفصل الدراسي الصيفي في مواد لا تزيد ساعاتها المعتمدة عن ثمان ساعات على الأكثر، ولا بد أن يحضر الطالب خلال الفصل الصيفي بصوره مرضيه في تلك المواد للسماح له بدخول الأمتحان.
- 3- يسمح للطالب بالتسجيل في كل فصل دراسي طبقاً لمتطلبات المقررات الدراسية وبموافقة المشرف الأكاديمي بما لا يتجاوز 22 ساعه معتمده في الفصل الدراسي الواحد.
- 4- إذا تجاوز غياب الطالب بدون عذر في أي مقرر نسبة 25% من عدد مرات الحضور للدروس العمليه والنظريه لا يسمح له بدخول الأمتحانات في ذلك المقرر، وترصد له درجة (F) في ذلك المقرر.

- 5- الطالب الغائب بعذر مقبول يسمح له بدخول الأمتحان بشرط إستيفاء مالا يقل عن نسبة 60% من عدد مرات الحضور للدروس العملية والنظرية.
- 6- التسجيل لمتطلبات الكليه يكون طبقا لاستيفاء المواد المؤهلة كما هو مشار إليه فى البند (4) بالمادة (6) من هذه اللائحة فى حين أن الرسوب فى أى من مقررات متطلبات الجامعة أو المقررات الاختيارية لا تؤثر على تسجيله فى أى من المقررات الأخرى، علي أنه لن يمنح درجة البكالوريوس قبل اجتيازه بنجاح تلك المقررات.

الباب الثالث شروط القبول

ماده (8)

- 1- أن يكون المتقدم مستوفيا لكل شروط القبول التي أقرها مجلس الجامعة بما لا يتعارض مع قانون تنظيم الجامعات الخاصه ولائحته التنفيذية والقرار الجمهوري الصادر بإنشاء الجامعة وأن يتمشى مع قرارات لجنة الجامعات الخاصه.
- 2- أن يجتاز المتقدم بنجاح اختبار القدرات الذي تعقده الجامعة.
- 3- يجوز للكليه أن تقبل الطلاب الحاصلين علي البكالوريوس في الطب والجراحه ويتم إعفاؤهم من المقررات المناظره التي درسوها في كلية الطب. وتعد لهم جداول خاصه لاستكمال المواد الخاصه بطب الأسنان التي لم يدرسوها ويمكن لهم إتمام ذلك في أربعة فصول دراسيه علي الأقل.
- 4- كما يجوز للكليه أن تقبل الحاصلين علي درجة البكالوريوس من الكليات العمليه الأخرى بعد تقييم المواد التي درسوها ومطابقتها بالمواد التي تدرس بالكليه للنظر في إمكانية إعفائهم من بعض المواد السابق دراستها والنجاح فيها.

ماده (9)

- يجوز قبول تحويل الطلاب المقيدين في إحدى كليات طب الأسنان في الجامعات المصريه أو الجامعات الأجنبيه المعترف بها بالشروط الآتية:
- 1- أن يكون الطالب حاصلًا علي مجموع الدرجات في الثانويه العامه أو ما يعادلها لا تقل عن الحد الأدنى المنصوص عليه بقرار رئيس الجمهوريه بشأن إنشاء الجامعة وعن الحد الأدنى الذي يقرره مجلس الجامعات الخاصه كل عام.
- 2- أن يكون حاصلًا علي جميع المواد المؤهله للألتحاق بكلية طب الأسنان.
- 3- أن يجتاز بنجاح اختبارات القدرات والقبول التي يحددها مجلس الجامعة.
- 4- يشترط أن يدرس الطالب أربعة فصول دراسيه علي الأقل قبل تخرجه من الكليه.

ماده (10)

علي الطالب متابعة الدروس العمليه والنظرية في كل فصل دراسي. وإذا تجاوز غيابه نسبة 25% لا يسمح له بحضور الامتحان النهائى وترصد له درجة (F) في المقرر أو المقررات التي تغيب عنها. وإذا تقدم الطالب بعذر يقبله مجلس الكليه يعتبر الطالب غائبا بعذر مقبول وعليه أن يستوفى شروط الحضور والمتطلبات في فصل دراسي تالٍ إذا لم يستوفى نسبة حضور 60% علي الأقل في ذلك الفصل الدراسي.