

Republika ng Pilipinas  
(Republic of the Philippines)  
KAGAWARAN NG EDUKASYON, KULTURA AT ISPORTS  
(DEPARTMENT OF EDUCATION, CULTURE AND SPORTS)  
Manila

February 28, 1989

DECS O R D E R  
No. 15, s. 1989

POLICIES AND STANDARDS FOR DENTAL EDUCATION

To: Regional Directors  
Heads of Private Schools, Colleges and Universities  
Deans, Colleges of Dentistry

1. The inclosed set of policies and standards approved by this Office, upon recommendation of the Council on Dental Education in the Philippines whose membership consists of the Chairman of the Board of Dentistry, Professional Regulation Commission, the President of the Philippine Dental Association, the President, Association of Deans of Philippine Colleges of Dentistry, the Dean, College of Dentistry, University of the Philippines, and the Bureau of Higher Education, Association of Chiefs and Assistant Chiefs of Higher Education, Department of Education, Culture and Sports, Regional Office, embodies the general principles and guidelines for the establishment and operation of Dental Education programs.

2. Each School of Dentistry, in order to align its programs to the goals and mission of the institution and the nation and to make Dentistry responsive to the demands for manpower in the allied health services, should have the built-in mechanism for continuous self-assessment of its instructional, research and extension service capabilities and program thrust and the necessary flexibility and adaptability to improve its internal operation and curricular programs towards meeting the diverse needs of students, community and the nation.

3. All concerned institutions are enjoined to review and revise their curriculum to conform with the provisions and requirements set forth in these guidelines.

4. This Order supersedes all existing guidelines which may relate to Dental Education and shall take effect immediately.

5. Compliance with this Order by all concerned is desired.

Incl.: As stated

Reference: N O N E

Allotment: 4--(M.O. 1-87)

To be indicated in the Perpetual Index  
under the following subjects:  
Course of Study, COLLEGEIATE  
RULES & REGULATIONS

(Sgd.) LOURDES R. QUISUMBING  
Secretary

## POLICIES AND STANDARDS FOR DENTISTRY

The following policies and standards shall govern the operation of Dental Education programs in schools, colleges and universities in the Philippines.

### Article I

#### AUTHORIZATION

Section 1. Only schools, colleges and universities duly authorized by the Department of Education, Culture and Sports can operate the Dentistry program.

Section 2. The Dentistry programs must have prior authorization from the Department of Education, Culture and Sports upon the recommendation of the Council on Dental Education.

Section 3. Representatives from the Department of Education, Culture and Sports, and the members of the Council on Dental Education, shall make an ocular inspection of all the facilities of the institution to assure that they conform with the required policies and standards as specified therein.

Section 4. The number of students admitted to the schools offering the Dentistry Course shall be strictly observed and governed by the quota given to them by the Department of Education, Culture and Sports.

### Article II

#### MISSION STATEMENT

Section 1. The objective of undergraduate dental education is to prepare young men and women for the general practice of dentistry in order to develop competence in maintenance of oral health treatment. The plan of instruction is directed to give the dental student a sound foundation in the Basic Health Sciences, to develop skill and experience in the application of technical principles to dental practice and to develop in the students the proper attitudes and moral-social sensitivity so that after graduation they can grow with the profession.

Section 2. To realize this objective, there should be a methodical and periodic review of curriculum to conform with the needs and demands of standards of dental education.

## Article III

### ADMINISTRATION

Section 1. The school/college of Dentistry should be administered by a full time Dean with the following qualifications:

- 1.1 Must be a Filipino citizen.
- 1.2 Must be currently registered Dentist preferably a holder of a Master's degree.
- 1.3 Must have a minimum of five (5) years of clinical practice and teaching experience.
- 1.4 Must be a member of the Philippine Dental Association, Inc. in good standing.
- 1.5 Must be of good moral character.

Section 2. The general functions and responsibilities of the Dean are:

#### Administrative

- 2.1 Assist the head of the institution in the formulation and attainment of the institutional goals.
- 2.2 Assigns and orients the faculty as adviser to students in their program of studies.
- 2.3 Approves student load of students.
- 2.4 Promulgates and implements admission criteria and policies for prospective applicants to the course.
- 2.5 Prepares the annual budget of the college.
- 2.6 Formulates appropriate educational and administrative policies in the college and recommends the necessary rules and regulations for their effective implementation.
- 2.7 Approves the list of candidates for graduation.
- 2.8 Recommends the appointment, promotion, retention and separation of faculty members and other staff of the college.
- 2.9 Participates in the evaluation of performance of faculty.

- 2.10 Plans and organizes the physical settings of the training facilities and equipment.
- 2.11 Seeks external assistance for faculty development programs, research, extension services, facilities, equipment, library.
- 2.12 Initiates and maintains liaison with appropriate national and international agencies for the promotion and development of the profession.
- 2.13 Exercises educational leadership among faculty by:
  - 2.13.1 initiating programs for curricular development
  - 2.13.2 instituting faculty development programs
- 2.14 Institutes a definite program of supervision of faculty staff and students to raise the efficiency of instruction by supervising and evaluating:
  - 2.14.1 instructional strategies with the purpose of improving those when necessary.
  - 2.14.2 co-curricular activities of the school.

#### Article IV

#### FACULTY

Section 1. The faculty member must possess the academic degree and preparation appropriate to their teaching assignments with 10 units of professional education subjects.

The following are the suggested guidelines for ranking purposes:

- 1.1 Instructor - must be a Doctor of Dental Medicine (DMD) or a graduate in a relevant discipline with good scholastic record.
- 1.2 Assistant Professor - must possess the DMD degree with at least three (3) years tenure as instructor or equivalent training and experience.
- 1.3 Associate Professor - must possess DMD degree at least three (3) years tenure as Assistant Professor or equivalent training and experience.

- 1.4 Full Professor - must possess DMD degree with at least three (3) years tenure as Associate Professor or equivalent training and experience and must have shown outstanding achievements in scholarship or science.

Section 2. The following conditions of employment shall be observed:

- 2.1 A full-time faculty member is one who works in the dental schools for a minimum of eighteen (18) hours per week.

A part-time faculty is one whose work in a dental school does not exceed twelve (12) hours per week.

At least sixty percent (60%) of the subjects shall be taught by full-time faculty members.

- 2.2 Salary rates of faculty members shall be commensurate with their ranks, academic preparation, teaching experiences and comparable with others who teach other academic subjects.

- 2.3 Faculty members may carry a maximum load of twenty four (24) lecture hours or thirty (30) laboratory hours per week.

### Section 3. Faculty Development Program

For an effective operation of the school, institute, college or university offering Dentistry, there should be a faculty development program carried out through:

- 3.1 Scholarship grants to full time faculty members.
- 3.2 Educational loans or tuition fee discounts to faculty members enrolled in the graduate school.
- 3.3 Subsidized attendance in Continuing Education programs, conferences, professional and scientific meetings, etc.

Section 4. The institution shall encourage research among its faculty members for the improvement of the Dental profession.

Section 5. Each college/university shall have a faculty manual containing information and policies of all matters pertaining to the faculty.

## Article V

### CURRICULUM

Section 1. The curriculum for the Two-Year Pre-Dental and Four-year Dental Course should contain a minimum of eighty three (83) and one hundred and ~~forty~~ <sup>four</sup> (154) units respectively. Any deviation in the attached approved curriculum needs prior approval of the Department of Education, Culture and Sports.

## Article VI

### INSTRUCTIONAL STANDARDS

Section 1. The institution must maintain a high quality of instruction, utilizing appropriate updated syllabi and instructional procedures which contribute to a sound Dental Education. A system of supervision shall be instituted and implemented for the purpose of evaluating teaching competence.

Section 2. The institution shall provide for a systematic and continuing plan of evaluation of the students' progress through a grading system that is consistent with the standards set by the institution and DECS.

Section 3. No student shall be given credit for a course unless he/she fulfills all requirements in each subject.

Section 4. The institution must prescribe the basic and standard textbooks to be used. These must be of recent edition and must reflect the current trends in the Dental profession. The institution may change textbooks only once in five (5) years.

Section 5. The institution must provide the necessary instructional materials like anatomy models, teaching slides, charts, etc. including audio-visual equipment for the use of the students for a more effective teaching-learning process.

Section 6. The number of sections in every year level of the Dentistry course should be in proportion to the size of the faculty, classroom, laboratory and clinical facilities with a faculty-student ratio as specified in Section 7 of Article V.

Section 7. The ratio of faculty to student in practicum or laboratory classes as well as Dental course subjects must not exceed 1:25 while the ratio in lecture classes must not exceed 1:50.

## Article VII

### LIBRARY

Section 1. A well developed dental library whether established separately or as a section of a combined library should be clearly defined as a dental collection. It must be managed by a full-time professional librarian.

Section 2. The library should be open at least eight (8) hours a day on school days.

Section 3. The institution offering the Dentistry course must assure the availability of at least five (5) titles each of current edition of Dental books, pamphlets, monographs and serials specifically used as basic and reference reading materials by students for the Dental course/subjects.

Section 4. The library shall subscribe to an adequate number of Dental journals as well as Health Science periodicals, to update the students and faculty staff in the latest developments in the field.

Section 5. The institution offering the Dentistry course has the freedom to select the basic textbooks to be used by the students in all the subjects specified in the curriculum. However, the library facility of the institution shall have at least one (1) copy of each of these basic textbooks for every twenty five (25) students enrolled in the class for those unable to procure these books.

Section 6. The quantity of other reading materials shall also be in proportion to the enrolment and be responsive to the needs of the students. At least, one (1) reference book per title.

Section 7. All income from the students library fee should be spent strictly for the acquisition of books, journals, publications and other expenses towards the improvement of the library.

## Article VIII

### LABORATORY FACILITIES

Section 1. Every school, institution, college or university offering Dental course must have adequate laboratory /clinic facilities to enable all students to acquire correct specific and clinical skills, knowledge, and attitudes.

Section 2. The specific requirements of the Dentistry laboratory facilities are as follows:

- 2.1 One (1) cadaver should be provided for twenty-five (25) students at any given academic year. The use of plastic mannequin, flip charts, etc. may be allowed to supplement the required number of cadaver. At least provisions should be made for the purchase of a cadaver per year.
- 2.2 One (1) set apparatus should be assigned for every ten (10) students in Physiology, Pharmacology, and Biochemistry.
- 2.3 One (1) set of monocular microscope and apparatus should be assigned for every two (2) students in Biochemistry, Microbiology, Pathology, <sup>and</sup> Microscopic Anatomy.
- 2.4 Adequate audio-visual materials should available for instruction for faculty and students.
- 2.5 A ratio of one (1) dental chair unit for every six (6) students in clinical Dentistry.
- 2.6 There should be an adequately equipped radiology laboratory. There shall be separate laboratories for Basic Medical, Basic Dental and pre-clinical subjects as:
  - 2.6.1 Basic medical subjects - Biochemistry, Physiology and Pharmacology, Histology, Pathology and Microbiology.
  - 2.6.2 Basic dental subjects - Restorative Dentistry/Endodontics, Prosthodontics/Orthodontics.
  - 2.6.3 Pre-clinical subjects - Restorative Dentistry/Endodontics, Prosthodontics.

## Article IX

### ADMISSION, SELECTION AND RETENTION

Section 1. The institution shall establish its own set of admission, selection and retention criteria, policies and standards consistent with the policies of the Department of Education, Culture and Sports.

Section 2. A basic criteria for admission shall however include the following:



- 2.1 The applicant must have completed a two-year pre-dental course or a degree related to health, provided he/she meets the requirements for Certificate of Eligibility for Dentistry (CED).
- 2.2 Student must have clearance from the DECS.
- 2.3 The applicant must have been issued the certificate of eligibility for Dentistry.
- 2.4 The applicant should never have been convicted of any crime and is of good moral character.
- 2.5 The applicant must have passed a physical, psychological, aptitude and dexterity examination to determine his/her suitability for the profession.

Section 3. Psychological and guidance counselling shall be made available to the students.

#### Article X

#### VIOLATION

Section 1. Any violation of the provisions contained in this Policies and Standards for Dentistry shall be dealt with in accordance with the penal provisions as mandated in Batas Pambansa 232, otherwise known as the Education Act of 1982.

#### Article XI

#### EFFECTIVITY AND IMPLEMENTATION OF THESE POLICIES AND STANDARDS

Section 1. The effectivity and implementation of the curriculum under these Policies and Standards shall be on the following schedules:

- 1.1 First Year (pre-dental) - S.Y. 1989-1990
- 1.2 Second Year (pre-dental) - S.Y. 1990-1991
- 1.3 First Year (proper) - S.Y. 1989-1990
- 1.4 Second Year (proper) - S.Y. 1990-1991
- 1.5 Third Year (proper) - S.Y. 1991-1992
- 1.6 Fourth Year (proper) - S.Y. 1992-1993

REVISED FOUR-YEAR DENTAL CURRICULUM  
EFFECTIVE 1989-1990

FIRST YEAR

First Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>	
General Anatomy I (Regional)	3	6	5
Gen. Microscopic Anatomy and Embryology	2	6	4
Biochemistry	2	6	5
Oral Anatomy	2	6	4
<b>TOTAL</b>			<b>18</b>

Second Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>	
General Anatomy II (H and N)	3	6	5
Oral Microscopic Anatomy and Embryology	2	6	4
General Physiology w/ Family Planning	2	6	4
Dental Materials	2	3	3
Nutrition	2	-	3
<b>TOTAL</b>			<b>19</b>

SECOND YEAR

First Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>	
General Pathology	2	6	4
Pharmacology	2	3	3
Restorative Dentistry I	2	6	4
Prosthodontics I (FPD)	2	6	4
Microbiology	2	3	3
Oral Physiology	2	3	3
<b>TOTAL</b>			<b>21</b>

Second Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>	
Oral Pathology I	2	6	4
Restorative Dentistry II	2	3	3
Prosthodontics II (R.P.D.)	2	6	4
Prosthodontics III (C.D.)	2	6	4
Anesthesiology	2	-	2
Orthodontics I (Growth & Dev't.)	2	-	2
<b>TOTAL</b>			<b>19</b>

THIRD YEAR

First Semester

Second Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>	<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>			<u>Lec</u>	<u>Lab</u>	
Oral Surgery I	2	-	2	Oral Surgery II	2	-	2
Oral Diag. & Treat. Planning	2	-	2	Technical Composition	2	-	2
Endodontics	2	2	2	Periodontics	2	-	2
Roentgenology	2	-	2	Oral Pathology II (Oncology)	2	-	2
Orthodontics II	1	3	2	Dental Jurisprudence and Ethics	2	-	2
Principles of Medicine	2	-	2	Public Health Dentistry	2	-	2
Practice Management	2	-	2	Pedodontics (Pediatric Dentistry)	2	-	2
Clinical Dentistry I	-	18	6	Clinical Dentistry II	-	18	6
<b>TOTAL</b>			<b>20</b>	<b>TOTAL</b>			<b>20</b>

FOURTH YEAR

First Semester

Second Semester

<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>	<u>Subjects</u>	<u>Hours</u>		<u>Units</u> <u>Total</u>
	<u>Lec</u>	<u>Lab</u>			<u>Lec</u>	<u>Lab</u>	
Hospital Dentistry I	-	6	3	Hospital Dentistry II	-	6	3
Community Dentistry & Health Educ.	3	-	3	Special Studies: Restorative Dentistry	1	-	1
Special Studies: Restorative Dentistry	1	-	1	Prosthodontics	1	-	1
Prosthodontics	1	-	1	Oral Med. & Oral Surgery	1	-	1
Oral Med. & Oral Surgery	1	-	1	Ortho-Pedo	1	-	1
Ortho-Pedo	1	-	1	Clinical Dentistry IV	-	30	10
Clinical Dentistry III	-	30	10				
<b>TOTAL</b>			<b>20</b>	<b>TOTAL</b>			<b>17</b>

SUMMARY

I.	Professional Dental/Medical Courses .....	105
II.	Clinical/Hospital Dentistry .....	41
III.	Special Studies/Seminars .....	8
	Total Units .....	154

I. PROFESSIONAL DENTAL/MEDICAL COURSES ..... 105

A. Dental Courses ..... 67

Dental Materials .....	3
Restorative Dentistry I & II .....	7
Prosthodontics I, II, & III .....	12
Orthodontics I & II .....	4
Pedodontics .....	2
Oral Physiology .....	3
Anesthesiology .....	2
Oral Microscopic Anatomy and Embryology .....	4
Oral Diagnosis, Treatment, Planning .....	2
Endodontics .....	2
Periodontics .....	2
Röntgenology .....	2
Oral Anatomy .....	4
Oral Surgery I & II .....	4
Technical Composition .....	2
Dental Jurisprudence and Ethics .....	2
Public Health Dentistry .....	2
Practice Management/Marketing .....	2

B. Medical Courses ..... 38

Anatomy I & II (Regional, Head and Neck), .....	10
General Microscopic Anatomy and Embryology .....	4
General Physiology (with Family Planning) .....	4
General Pathology .....	4
Principles of Medicine .....	2
Pharmacology .....	3
Microbiology .....	4
Biochemistry .....	5
Nutrition .....	3

II. CLINICAL/HOSPITAL DENTISTRY ..... 41

Hospital Dentistry I & II .....	5
Community Dentistry and Health Education .....	3
Clinical Dentistry I and II .....	12
Clinical Dentistry III and IV .....	20

III. SPECIAL STUDIES/SEMINARS .....

0

Restorative Dentistry I & II .....	10
Prosthodontics I & II .....	10
Oral Medicine and Oral Surgery I & II .....	10
Ortho-Pedodontics I & II .....	10

## DESCRIPTION OF COURSES - COLLEGE OF DENTISTRY

### Gen. ANATOMY - Regional and Head and Neck

A study of the human body by regions; the upper extremities, the thorax, the abdomen, the pelvic and the lower extremities. It includes the study of the maxillo-facial structure, the pharyngeal regions, and the facial planes of the face and neck are given special emphasis as they are the basis for a better appreciation of numerous dental problems such as the spread of dental infections and fractures of the jaw. The laboratory work includes the use of charts, models, and specimen for demonstration and the dissection of cadavers. (1st sem. 3 hrs. lec., 6 hrs. lab., 2nd sem. 3 hrs. lec., 6 hrs. lab./wk.)

### GENERAL MICROSCOPIC ANATOMY AND EMBRYOLOGY

A course covering the study of the origin and development of the cell and fundamental tissue structures and microscopic anatomy of human organs and systems. (2 hrs. lec., 6 hrs. lab./wk.)

### BIOCHEMISTRY

A course designed for dental students and deals with the study of digestion, absorption and intermediary metabolism of proteins, fats and carbohydrates. It includes also the role of the hormones, vitamins and enzymes taking place in the human body chemical processes. (2 hrs. lec., 6 hrs. lab./wk.)

### NUTRITION

The pathogenesis of malnutrition and the role of essential nutrients in health and disease with emphasis on oral health. (2 hrs. lec./wk.)

### ORAL ANATOMY

The morphology of deciduous and permanent teeth, their arrangement and relationship with the supporting structure; the palaeontology of the human dentition, growth and development of the skull and jaws correlated to the eruption of the teeth and the forces of occlusion. The laboratory work including a drawing, carving and dissections of the human teeth. (2 hrs. lec., 6 hrs. lab./wk.)

### ORAL MICROSCOPIC ANATOMY AND EMBRYOLOGY

Microscopic study of the oral tissues, with emphasis on the structure of the teeth and their supporting tissues, as well as the detailed study leading to the development of the face, jaws, and teeth. (2 hrs. lec., 6 hrs. lab./wk.)

## GENERAL PHYSIOLOGY INTEGRATED WITH FAMILY PLANNING

A study of general human physiology with emphasis on the digestive, nervous and blood systems and the metabolism of calcium and phosphorus. Emphasis is also placed on the items of practical application to dentistry. Inclusion of the topic on Family Planning whenever possible must be made. (2 hrs. lec., 6 hrs. lab./wk.)

## DENTAL MATERIALS

A course consisting of lectures and laboratory work on the physical and chemical properties of metals and other materials used in dentistry and their clinical applications. It covers instructions as to the sources, composition and manipulation. (2 lec. hrs., 3 hrs. lab./wk.)

## GENERAL PATHOLOGY

A course on the fundamental principles of general and systemic pathology with emphasis laid upon the dependence and/or close correlation of pathologic procedures of the mouth with those of the rest of the body and vice-versa. (2 hrs. lec., 6 hrs. lab./wk.)

## PHARMACOLOGY

A course dealing on pharmacodynamics, pharmacotherapeutics, and prescriptions writing of drugs used in dentistry. (2 hrs. lec., 3 hrs. lab./wk.)

## RESTORATIVE DENTISTRY I

The fundamental principles of cavity preparation and manipulation of filling materials. The use of mannequins and natural teeth, is recommended in the laboratory work. (2 hrs. lec., 6 hrs. lab./wk.)

## PROSTHODONTICS I - Fixed and partial Denture

This is a one semester undergraduate study in lecture and laboratory of fixed partial prosthesis (crown and bridge prosthesis). Every effort is made to provide continuity in logical sequence for dental crown and bridge construction which would give the students knowledge of various techniques, methods and preparations of fixed prosthesis without losing sight of their biological requirements in a living organism. (2 lec. hrs., 6 hrs. lab./wk.)

## MICROBIOLOGY

A course on the biology of pathogenic micro-organisms which include bacteria, fungi, rickettsiae, viruses, protozoa and helminths. It covers four interrelated areas of general and oral microbiology and immunology by means of lectures and laboratory work. (2 lec. hrs., 3 hrs. lab./wk.)

1. biology with reference to parasitism and diseases;
2. phenomena of infection and immunity on associated host-parasite inter-actions;
3. characteristics of the more important groups of micro-organisms and viruses;
4. micro-organisms of the human mouth and their relationship to health and disease.

## ORAL PHYSIOLOGY

This subject is newly introduced in the dental curriculum. Instruction is inter-related with the general principles of the practice of dentistry as the advances in fundamental biologic knowledge in the last two decades have created new responsibility in dental research, education and practice. This course presents the principles of physiology as they are applied to dental practice, reducing the barriers between the clinical and the basic biologic training of the undergraduate student. It introduces clinical information and provides an opportunity for the student in the first and second year to apply biologic information to clinical dentistry. (2 lec. hrs./wk.)

## ORAL PATHOLOGY I

Oral Pathology is a science that deals with the gross and microscopic study of abnormalities and diseases of the dental and oral tissues either congenital, developmental, or acquired types. (2 hrs. lec., 6 hrs. lab.; Credit 4 units)

## RESTORATIVE DENTISTRY II

A pre-clinical lectures and laboratory instructions on the manipulation of hand and electric power instruments in cavity preparation prior to replacing the lost teeth structure with dental materials. The use of extracted natural teeth mounted may handle patients to afford them to correlate what have been taught in the lecture and laboratory classes. (2 lec. hrs., 3 lab. hrs./wk.)



### PROSTHODONTICS II - Removal partial denture

This course is partial denture construction known as Removable Partial Prosthesis, its principle, application and biologic relation to living tissues. The one semester lecture and laboratory work is geared to teach students, the step-by-step technical procedure of partial denture planning, designing and manufacturing. Emphasis is placed also on the study of the various dental materials incident to partial denture construction. (2 lec. hrs., 6 hrs. lab./wk.)

### PROSTHODONTICS III - Complete Denture

This course in prosthodontics requires one semester's work of undergraduate students in lecture and laboratory. It introduces to the students the technical and basic management of complete denture prosthesis based on the principles of bio-mechanics which is the dynamic relationship between the living tissues and the dentures dominated by a multitude of forces serving the total organism. (2 lec. hrs., 6 lab. hrs./wk.)

### ANESTHESIOLOGY

A study of the pharmacology of different local anesthetic solutions or agents used in dentistry. Includes a review of the nerve supply of the maxilla and mandible. It includes also study of general anesthesia.

### ORTHODONTICS I

A course on the fundamentals of growth and development of the cranio-facial structures and their relation to the stomatognathic system, as well as the construction of fixed and removable orthodontic appliances. (1 lec. hrs., 3 lab. hrs./wk.)

### ORAL SURGERY I AND II

The general principles of surgery and how they are applied in dental surgical procedures, ordinary and complicated extractions, minor oral surgery such as tooth resection, alveoloplasty, removal of impacted and embedded teeth, the reduction and fixation of simple maxillary and mandibular fractures are given emphasis. The course also acquaints the students with major oral surgery in mandibular resection, and plastic surgery to be able to cooperate with the general surgeon in the management of oral cases. (1st sem. 2 lec. hrs./wk., 2nd sem. 2 lec. hrs./wk.)

### ORAL DIAGNOSIS, PLANNING AND TREATMENT

The course begins with a devoted review of the various diseases occurring in the oral cavity including the teeth and adjacent structures. Preceded with the principles and procedures in making a diagnostic, prognosis, and the planning of treatment. (2 lec. hrs./wk.)

## ENDODONTICS

A course on the basic principles of root canal therapy. The instruments, materials and technical procedure used in the preparation and filling of root canals are taught in a manner which stimulates the intra-oral procedures. (2 lec. hrs./wk.)

## ROENTGENOLOGY

A brief study of the historical backgrounds and modern scope of radiology, including a review of the fundamentals of physics and chemistry as related to oral radiology. Followed by a detailed and illustrated consideration of the intra-oral and extra-oral techniques used in the production of good diagnostic radiographs. It includes also interpretation of processed radiographs with special emphasis on the normal anatomical landmarks and oral lesions. (2 lec. hrs./wk.)

## ORTHODONTICS II

Continuation of Orthodontics I. Includes clinical and didactic and instruction on differential diagnosis and management of malocclusion in dental practice. (1 lec. hrs., 3 lab. hrs./wk.)

## PRINCIPLE OF MEDICINE

A course which deals with the relationships of mouth infections and systemic diseases. Emphasis is placed on diseases of metabolism cardiac disturbances, blood dyscrasias, and other body disorders, that may affect the management of oral diseases. (2 lec. hrs./wk.)

## PRACTICE MANAGEMENT

A course designed to give the students a practical guide on how to conduct a successful dental practice. It deals with the responsibilities of the dentist to society, qualifications for success, patient management, keeping of records, taxes and investments. (2 lec. hrs./wk.)

## TECHNICAL COMPOSITION

A course aimed to train students in the preparation of technical papers and how to present and discuss them in scientific meetings. (2 lec. hrs./wk.)

## PERIODONTICS

A course on classification, etiology, pathology and management of periodontal diseases. Includes review of histology and physiology of the periodontia. (2 lec. hrs./wk.)

## ORAL PATHOLOGY II

A study of the clinical systems, gross and microscopic tissue changes of the diseases of the teeth and adjacent structures, including the etiology, diagnosis, and treatment planning of the various neoplastic diseases in the oral cavity.

## DENTAL JURISPRUDENCE AND ETHICS

The relation of law and ethics to dental practice. (2 lec. hrs./wk.)

## PUBLIC HEALTH DENTISTRY

The principles in the prevention of dental diseases and the relation of the dentist to public health. (2 lec. hrs./wk.)

## PEDODONTICS

A course on the use of appropriate prophylactics and restorative methods for child dental care. It includes basic child psychology, child management, growth and development, nutrition caries control, radiography, pulp therapy, treatment of injuries and preventive orthodontics. (2 lec. hrs./wk.)

## HOSPITAL DENTISTRY I AND II

Relating dental internship for senior students at a local hospital. It is designed to familiarize the student with hospital procedures and the scope and functions of other divisions of the health services. (1st sem. 1 lec. hr., 6 lab. hrs./wk., 2nd sem. 1 lec. hr., 6 lab. hrs./wk.)

## COMMUNITY DENTISTRY AND HEALTH EDUCATION

A course designed to introduce essential concepts and principles in the study of Dental Epidemiology and Biostatistics as basic tools in Dental Care Delivery; the role of the dental professional in the areas of Preventive Dentistry, Dental Program Planning, Dental Program Evaluation, Dental Research and in Dental Health Education. (3 hrs. lec.; Credits: 3 units)

## RESTORATIVE SEMINAR

A series of discussions for senior students. The work consist of review and elaboration of the practical aspects taken up in previous years. Emphasis is on the problems encountered in the clinic. (1 lec. hr./wk.)

## PROSTHODONTICS SEMINAR I AND II

Advances principles in the construction of crowns, fixed bridges, removable bridges, partial and complete dentures. It includes problems encountered in the clinic. (1 lec. hr./wk.)

### ORAL MEDICINE AND SURGERY SEMINAR

Discussion of periodontal and surgical cases encountered in the clinic. (1 lec. hr./wk.)

### PEDDODONTICS-ORTHODONTICS SEMINAR

Discussion on the management of child dental care including prevention and interception of malocclusion. (1 lec. hr./wk.)

### CLINICAL DENTISTRY

The objective of clinical practice is to train dental students to deliver professional dental services to a patient.

The duration of clinical practice for dental students is four (4) semesters and commences on the first semester of third year and is continued until the second semester of the fourth year. The clinicians in Clinical Dentistry I and II, under the close supervision of the clinic faculty are expected to perform clinical work in the various sections, such as restorative dentistry, prosthodontics, oral surgery, pedodontics, and orthodontics.

In the Clinical Dentistry III and IV the clinicians are given the opportunity to perform dental practice with minimum supervision. A set of minimum clinical requirements for each semester is given, which the student will have to accomplish to the satisfaction of the clinic faculty as a pre-requisite for graduation.

Following are the different clinics:

#### DIAGNOSTIC-RADIOLOGICS CLINIC:

All patients admitted for treatment in the various clinics of the infirmary are first cleared through this section where mouth examination procedures and case histories are handled as well as radiographic examination whenever indicated.

#### PEDDODONTICS-ORTHODONTICS CLINIC:

The clinical training offered by this section to the dental clinician includes acquiring necessary skills in handling dental needs of children patients in the aspects of radiographic examination, restorative dentistry, endodontics, oral surgery, and in preventive and corrective orthodontics services.

### RESTORATIVE DENTISTRY:

This clinic is aimed to train student clinicians in restoration of lost tooth structures by way of preparations of simple, compound and complex cavities in the teeth for the reception of the different filling materials such as Amalgam, Silicate, Composite and Inlays.

### ENDODONTICS-PERIODONTICS CLINIC:

This clinic provides training of clinicians on the management of preservation of teeth and their supporting structures where services offered are root canal therapy, pulpotomy, surgical endodontics, periodontal therapy, and periodontal surgery.

### ORAL SURGERY CLINIC:

Student clinicians are given the opportunity to develop the skill and proficiency in the process of tooth extraction, odontectomy and other special surgical procedures.

### PROSTHODONTICS CLINIC:

Student clinicians are trained and given the opportunity to acquire the clinical experience in the construction, fitting and installation of fixed denture prostheses, partial dentures and complete dentures.

Certain number of clinical requirements are prescribed in each of the clinics and are prerequisite for graduation in compliance with the requirements of the Bureau of Higher Education, Department of Education, Culture and Sports.

Third Year: First Sem. - 10 hrs./wk., Credit: 6 units  
Second Sem. - 10 hrs./wk., Credit: 6 units

Fourth Year: First Sem. - 30 hrs./wk., Credit: 10 units  
Second Sem. - 30 hrs./wk., Credit: 10 units