

Indiana University Bulletin

School of Dentistry

1979/80



INDIANA UNIVERSITY ACADEMIC PROGRAMS

- College of Arts and Sciences
 - School of Journalism
- School of Business¹
 - School of Continuing Studies²
- School of Dentistry
- School of Education¹
 - Division of General and Technical Studies³
- Graduate School
- School of Health, Physical Education, and Recreation
- Herron School of Art
- School of Law—Bloomington
- School of Law—Indianapolis
- Graduate Library School
- School of Medicine
 - Division of Allied Health Sciences
 - Division of Postgraduate and Continuing Education
- School of Music
- School of Nursing
- School of Optometry
- School of Physical Education
- School of Public and Environmental Affairs
- School of Social Work
- Summer Sessions
- University Division

Bulletins for the divisions of the University marked (•) above may be obtained from the Office of Records and Admissions, Student Services Building, Indiana University, Bloomington, Indiana 47405. (Please note that there are two Indiana University Schools of Law, and be sure to specify whether you want a bulletin of the Bloomington or the Indianapolis School.)

Write directly to the individual regional campus for its bulletin.

¹ Two bulletins are issued: graduate and undergraduate.

² Brochures on the Independent Study Division, Bureau of Public Discussion, Labor Education and Research Center, and Real Estate Continuing Education Programs are available from this School (Owen Hall).

³ Information concerning programs of the Division of General and Technical Studies may be obtained from the Division office, 317 East Second Street, Bloomington, Indiana 47405.

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School of Dentistry

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INDIANA UNIVERSITY BULLETIN

FOR THE YEAR 1979-1980

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While every effort is made to provide accurate and current information, Indiana University reserves the right to change without notice statements in the Bulletin series concerning rules, policies, fees, curricula, courses, or other matters.

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Calendars

Bloomington Campus

The calendar as printed is subject to change. Check the *Schedule of Classes* for official calendar.

First Semester

Registration and counseling
Classes begin
Labor Day
Thanksgiving recess begins (after last class)
Classes resume
Classes end
Departmental exams begin
Departmental exams end

1979-80

Aug. 29, 30, 31,
Sept. 1, W, R, F, S
Sept. 3, M, 7:30 a.m.
Sept. 3, M, classes meet
Nov. 20, T

Nov. 26, M
Dec. 19, W
Dec. 20, R
Dec. 22, S

Second Semester

Registration and counseling
Classes begin
Spring recess begins (after last class)
Classes resume
Founders Day¹
Classes end
Departmental exams begin
Departmental exams end

Jan. 9, 10, 11, 12; W, R, F, S
Jan. 14, M
Mar. 22, S
Mar. 31, M
Apr. 16, W¹
May 2, F
May 3, S
May 5, T

Summer Sessions 1980

First Summer Session (6 weeks)
Advising May 7, W
Registration May 7, W
Classes begin May 8, R
Memorial Day May 30, F
classes meet
Classes end June 16, M

Second Summer Session (8 weeks)
Advising June 17, 18, T, W
Registration June 17, 18, T, W
Classes begin June 19, T
Independence Day July 4, F
recess
Classes end Aug. 12, T

¹9:30, 10:30, 11:30, and 12:30 classes do not meet.

School of Dentistry, Medical Center Campus

Summer Session, 1979

Summer Session begins, 8:30 a.m.
Memorial Day—School closed
Independence Day—School closed
Summer Session ends, 4:30 p.m.

May 14, M
May 28, M
July 4, W
July 20, F

First Semester

Classes begin for all students
Labor Day Holiday
Dental Alumni Days (Bloomington—classes as usual)
Thanksgiving Recess begins, 5 p.m.—Clinics closed
Thanksgiving Recess ends, 8 a.m.—Clinics open
Final examinations begin
Final examinations end

Aug. 22, W
Sept. 3, M
Sept. 27-29, R-S
Nov. 20, T
Nov. 26, M
Dec. 10, M
Dec. 14, F

Second Semester, Tentative

Classes begin for all students
Spring recess begins for all students, 5 p.m.
Spring recess ends for all students, 8 a.m.
Final examinations begin
Final examinations end
Commencement (Tentative)

Jan. 7, M
March 1, F
March 10, M
April 28, M
May 2, F
May 11, S

Summer Session 1980, Tentative

Summer Session begins, 8 a.m.
Memorial Day—Holiday
Summer Session ends, 5 p.m.—Clinics closed

May 12, M
May 26, M
July 18, F

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The School of Dentistry

The Indiana University School of Dentistry is a member of the American Association of Dental Schools and is fully accredited by the Council on Dental Education of the American Dental Association. The School is located in Indianapolis and is an integral part of the University's Medical Center. Graduates are currently practicing in nearly all of the fifty states and most of the countries of the world.

Through the facilities of Indiana University several programs of study at the undergraduate level are available to persons interested in pursuing a career in dentistry. These include the following: one-year programs for dental assistants at the School of Dentistry in Indianapolis, on the Fort Wayne, Gary, and South Bend campuses of Indiana University, and on the Evansville campus of Indiana State University; three-year associate degree programs for dental hygienists at Indianapolis, Fort Wayne, Gary, South Bend, and Evansville; four-year degree programs for dental hygienists at Indianapolis, Fort Wayne, and Evansville; and a two-year associate degree program in dental laboratory technology at Fort Wayne and Evansville. In addition, under the D.D.S. program at the School of Dentistry, it is possible to earn an A.B. degree in cooperation with the College of Arts and Sciences.

Additional information concerning any of these programs may be obtained by writing to the appropriate address as listed on the inside back cover.

The United States Office of Education, Department of Health, Education, and Welfare has suggested that data regarding the average starting income for previously enrolled students and the percentage of such students who obtained employment in such positions be made available. In lieu of specific information, the American Dental Association reports that the median net income of dentists in Indiana practicing privately in 1974 was \$34,833.

DENTAL LIBRARY

The library, located in the School of Dentistry Building, contains 104,564 items, of which 37,106 are texts and volumes of periodicals encompassing all the areas of dentistry and several fields in the allied sciences, including medicine. The library currently receives 599 periodicals covering these subjects. Numerous gifts of books and periodicals are received from graduates and friends of the School. Dental students also have access to the library of the School of Medicine.

DENTAL CLINICS

Clinical facilities are excellent and patients are drawn from a population area of some 1,000,000 persons. The great variety of cases treated provide each student with abundant opportunity to perfect techniques.

The School also maintains dental clinics in Riley and Long hospitals and the Rotary Building, all on the Medical Center campus, and students attend special clinics at LaRue D. Carter, Wishard Memorial, and Veterans Administration hospitals.

In addition to providing instruction for the students, members of the faculty are available for lectures and clinics before district and local dental societies and study clubs throughout the state.

The dental clinics remain open during most of the summer months. Except for students on probation, attendance in the clinics is not required, but all students are encouraged to attend and to obtain additional clinical instruction and experience. Required lectures are held during the summer following the second year.

LIVING FACILITIES

Single and married students from all Indiana University Indianapolis schools and divisions are eligible to file housing applications for accommodations which are located on the Medical

Center campus. Applications should be filed as early as possible since there is always a waiting list.

Accommodations for single men and women are available in the Single Student Dormitory, which connects directly with the Union Building.

Efficiency and one-bedroom type apartments, unfurnished and furnished, are available in the Warthin Apartment Building and the Union Building.

Inquiries concerning University housing and requests for applications should be addressed to: Associate Director of Housing, Indiana University Medical Center, Room 326, SS Dorm, 1300 West Michigan Street, Indianapolis, Indiana 46202. An off-campus rental information file is also located in the Medical Center Housing Office, where interested persons may check the card file in person for rental listings.

STUDENT HEALTH SERVICE

The Indiana University Medical Center offers a health service for all full-time students on the campus of Indiana University-Purdue University at Indianapolis. (Part-time students can participate in Student Health Service by payment of a fee.) Designed to promote the general health of students, the service offers complete outpatient clinical and laboratory examinations, immunizations, and treatment for minor illnesses and injuries by physicians of the Student Health Service, as well as referrals to specialty clinics elsewhere in the Medical Center. Emergency treatment in the evening and on weekends and holidays is available at Wishard Memorial Hospital. Health insurance providing coverage beyond these services, and including coverage for dependents, is available to all students at their option.

FEES

Fees are paid at the time of registration and are subject to change by action of the Board of Trustees.

Fee Schedule—1979-80

School of Dentistry

	Indiana Resident	Nonresident
Dentistry-Undergraduate ¹	\$1,160 per year	\$2,900 per year
Dentistry-Graduate ¹	40 per credit hour	96 per credit hour
Hygiene-1st and 2nd year	26 per credit hour	59 per credit hour
Dental Assisting	26 per credit hour	59 per credit hour
Summer Session		
Undergraduate	26 per credit hour	59 per credit hour
Graduate	40 per credit hour	96 per credit hour
Regional Campuses		
Undergraduate	26 per credit hour	59 per credit hour
Admission Application ²	15	15

¹ An advance payment of \$25 (\$200 for graduate students) on fees is required after a student has been accepted. This advance payment is not returnable, but is applicable toward fees.

² This fee is paid only once, is not refundable and is not applied to other fees. A student applying for admission to the School of Dentistry who has never attended Indiana University as a regularly admitted student (on the Bloomington or any other Indiana University campuses) will be required to pay this fee. A money order or check must be sent in a special envelope provided for this purpose.

Fee Refund Schedule

When a student withdraws from a course or courses, a refund of fees will be made for each course involved as follows:

	Refund for Withdrawal
First and Second Semesters	
First Week, or through Class Change Day	100%
Second and third weeks	50% or all fees paid except \$50, whichever is larger
Thereafter	none
Summer Sessions	
First and Second Sessions (courses 6 to 14 weeks in duration)	
First week or through Class Change Day	100%
Second week	50% or all fees paid except \$50, whichever is larger
Thereafter	none

Fee Refund Procedure

Students may obtain refunds by applying to the Registrar's Office when they withdraw from classes.

Approximate Expenses (in Addition to Fees)

	First Year	Second Year	Third Year	Fourth Year
Dental Textbooks	\$ 385	\$325	\$200	—
Dental Instruments—Undergraduate ¹	1243	984	501	430
Dental Instruments—Graduate ¹ (see page 22)				
Dental Hygiene Textbooks	300	150	—	—
Dental Hygiene Instruments and Uniforms	265	110	—	—
Dental Assisting Textbooks	190	—	—	—
Dental Assisting Instruments and Uniforms	240	—	—	—

Student Loans. Financial assistance may be obtained for members of all four classes on the basis of need through the Student Financial Aids Office, Room 305, CA Bldg. Loans are also available through the Indiana Dental Association, and it is usually possible to make arrangements through commercial banks for various loan programs. The School maintains an emergency loan fund for students who would otherwise be unable to continue their dental education. A brochure describing the various types of financial aids is available upon request from the Office of the Director of Records and Admissions.

American Student Dental Association. The local chapter of this organization is fully recognized by the American Dental Association, and membership is open to all students in the School of Dentistry. The function of the organization is to consider problems incident to the student's approaching graduate experiences based on the principles established for the guidance and government of the ADA.

Dental hygiene students may join the Junior American Dental Hygiene Association, which offers experiences similar to those of the American Student Dental Association.

¹ Includes purchase and rental costs.

Honor Fraternity. The national dental honorary fraternity, Omicron Kappa Upsilon, is represented by the component chapter of Theta Theta. All nominations are made from the upper one-fifth of the graduating class, with membership being voted annually by the faculty members to 12 percent of the class. The key, which is symbolic of the fraternity, is awarded to each newly elected member.

The national dental hygiene honor society, Sigma Phi Alpha, is represented by the component Theta chapter. All nominations are made from the upper one-fifth of the graduating class, with membership being voted annually by the faculty members to 10 percent of the class. The key, which is symbolic of the fraternity, is awarded to each newly elected member.

PREDENTAL INFORMATION

Predental Counseling. A student may be admitted to the School of Dentistry upon receipt of his baccalaureate degree or at the end of three years in the College of Arts and Sciences.

Predental students desiring to discuss their academic programs may arrange appointments with predental advisers either at Bloomington or in Indianapolis. Interested students may write or call the Director of Records and Admissions of the School of Dentistry in Indianapolis. Notices of the presence of predental advisers on the Bloomington campus also appear periodically in the announcement column of the *Indiana Daily Student*.

Predental Work. Most students accepted by the Indiana University School of Dentistry attain a baccalaureate degree prior to enrollment. The predental collegiate training may be taken at any accredited college or university. No required courses can be taken on a Pass/Fail basis. Details of courses offered in the various accredited colleges may vary, so the courses should be carefully considered when a program is planned, particularly in the field of science. All required science courses, for example, must always include lecture and laboratory. Further, it is advisable to include extra work in the areas of biology and chemistry. Additionally, courses in the social sciences, humanities, mathematics, literature, art, speech, medical terminology, and business are recommended.

Since the prescribed curricula vary greatly from college to college, students who are not certain about the arrangement of their predental work are advised to contact the Director of Records and Admissions, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana 46202. Students who take their predental work at other schools will be required to have it evaluated to determine whether or not it has met the standards of admission of the School of Dentistry.

It is recommended that the student complete the general chemistry, organic chemistry, and biology requirements in the first two years, leaving physics for the third year, as there are questions over the first three areas on the Dental Admissions Test.

Application Procedure. Students are enrolled each August. Candidates should make formal application approximately a year before they wish to be admitted to the School of Dentistry. Application deadline is December 1.

Applications can be obtained from the office of the Director of Records and Admissions. Applicants will be requested to submit transcripts from each college attended. There is a \$15 graduate application fee for all applicants who have not previously attended Indiana University.

Applicants will also be required to take the American Dental Association Admissions Test. This test, for which there is a \$20 examination fee, is given in October and April of each year. Applicants must take the Dental Admissions Test no later than October, if they plan to enter the School of Dentistry the following August. Students are further advised to take this test only after completing the required chemistry and biology courses. The admission test is usually taken in the junior year. Questions regarding interpretation of scores may be referred to the Dental School Director of Records and Admissions.

Details concerning this test may be obtained by contacting the School (see back cover) or by writing the American Dental Association, 211 East Chicago Avenue, Chicago, Illinois 60611.

For admission to the School of Dentistry, a student must have earned a minimum of 90 semester hours or 135 quarter hours of approved predental collegiate credit to include:

Two semesters of credit in English (minimum of six semester credit hours)

Two semesters or three quarters of biology or zoology

Two semesters or three quarters of general physics

Two semesters or three quarters of general chemistry

One semester or two quarters of organic chemistry

All science requirements must include a laboratory.

The following predental requirements will be in effect for the class entering in August of 1983:

One semester of English composition and one semester of Interpersonal Communication (if offered) or Public Speaking (if Interpersonal Communication is not offered). Fulfillment of the English requirement must consist of one year (2 semesters or 3 quarters) with a minimum of 4 semester credit hours (6 quarter credit hours), exclusive of any exemptions.

One semester or one quarter of Introductory Psychology

One semester or one quarter of Business

At least one course in Solid Art should be recommended in the predental curriculum.

Indiana residents must have a minimum of 2.5 (on a 4.0=A scale) grade-point average, a 2.5 science grade-point average, and DAT averages of 3 to be eligible to apply. For nonresidents of Indiana, a minimum grade-point average of 3.3 on a 4.0 scale, a 3.3 science grade-point average, and Dental Admissions Test averages of 4 are necessary for consideration.

The Committee strongly encourages personal interviews. Any nonresident applicant who wishes to be interviewed should contact the Director of Records and Admissions by November 1.

Selection criteria include, but are not limited to, overall grade-point average, science grade-point average, Dental Admission Test scores, interviews, recommendations, residency, years and hours of college credit, degrees received, motivation, exploration of dentistry, manual and artistic skills, character, personality, ethics, and health. Although applications from all underrepresented groups are encouraged, the Indiana University School of Dentistry Admissions Committee reviews all applications without discriminating in favor of or against any applicant because of sex, race, creed, religion, handicap, or national origin. Selections are made, on an individual basis, upon appraisal of the applicant's established record and potential for development.

Preferential consideration will be given to applicants who are residents of Indiana.

Admission to Advanced Standing. Credentials indicating satisfactory completion of courses in a school which has at least comparable preliminary requirements and maintains a similar curriculum will be considered for admission of a student to the School at an advanced level. Examinations in all subjects may be required of applicants for advanced standing. Occasionally, graduates of foreign dental schools who desire a degree from Indiana University may be admitted. These students are given a course of study which requires a minimum of three years.

ACADEMIC INFORMATION

A.B./D.D.S. Program. A student admitted to the School of Dentistry after completing 90 hours in the College of Arts and Sciences at Indiana University, and who has satisfied the Group I-V requirements, including a concentration in the College, may apply 32 hours earned in his first year in dentistry as electives and at the end of this year earn the A.B. degree. He should consult the department of his concentration or the College of Arts and Sciences. Foreign language is not a requirement of the School of Dentistry. However, it is required in the Combined Degree Program.

Withdrawals. The faculty reserves the right to request the withdrawal of any student whose conduct, health, or academic performance would appear to render him unfit for the continuation of a dental education. Voluntary withdrawals require the approval of the Dean. In those cases where students discontinue attendance without officially withdrawing, the instructor shall report the grade of F.

Grades. A student's grade in each course will be determined by the combined results of examinations and classroom work. The quality of a student's work will be indicated by the following grades: A, B, C, D, S (satisfactory), F (failure), and I (incomplete). A failure requires repetition of the course. Plus or minus grades may be assigned by the faculty at their own discretion.

Incompletes. A student who misses a final examination and who has a passing grade up to that time is given a temporary grade of Incomplete if the instructor has reason to believe the absence was beyond the student's control.

If a student is not in attendance during the last several weeks of a semester, the instructor may report a grade of I (indicating the work is satisfactory at the end of the semester but has not been completed) if he has reason to believe the absence was beyond the student's control; if not, he shall record a grade of F. A grade of Incomplete must be removed within one year of the date of its recording, or it will automatically be changed to an F by the University Registrar. A grade of Incomplete may be removed if the student completes the work within the time limit or if the Dean authorizes the change of the Incomplete to W. A student may not re-enroll in a course in which he has a grade of Incomplete.

Counseling. Depending upon the nature of the need, students are invited and encouraged to call upon the Dean, Associate and Assistant Deans, Director of Clinical Dentistry, or any other faculty or staff member for counseling or advice. A formal student counseling program has been developed and has proven effective in assisting students who experience academic and personal problems.

Attendance. Attendance of students in courses in which they are enrolled is mandatory. Discipline and responsibility are fundamental to the practice of dentistry. A policy disallowing unexcused absences is an assurance that each student will obtain maximum exposure to the information and the clinical and laboratory experiences available in the curriculum.

Unexcused absence from any class will call for the following penalties: first absence, a discussion with the course administrator; second absence, a discussion with the Dean; third absence, a failing grade in the course.

Unexcused absence from clinics will result in the following penalties: first absence, a discussion with the Director of Clinical Dentistry; second absence, a discussion with the Dean; third absence, dismissal from Dental School.

The minimum attendance for any course, other than clinic, is 85 percent of the time scheduled for instruction. The margin of 15 percent is only for unavoidable absences, such as illness, death of a relative, and other causes that the instructor considers acceptable. In case of unavoidable absences such as described above, when properly attested, whereby attendance falls to below 85 percent during any semester, the student may be permitted to make up work at his/her own expense. Such work must have the sanction of the instructor in charge of the course.

Probation

Criteria for probational status:

- A. Failure of any course.
- B. An earned semester grade-point average below 2.0.
- C. Combined total of 30 percent or more of all enrolled credit hours graded as D.
- D. Reenrollment following a period of suspension.

Suspension. No dental student who has been suspended may be graduated with honors, or receive an award on Honors Day.

Criteria for suspension:

Any dental student found guilty of academic dishonesty as described in "Student Rights and Responsibilities, IUPUI, 1976-77," page 3, section I, item 1.13 a, (4) shall be given a grade of F in the course involved, and shall be suspended for a minimum of 12 months (also see "Dismissal").

Dismissal. A distinction is intended herein between *probation-earned*, meaning that academic performance has caused this status to be assessed for a given semester; and *probation-continued*, meaning that this status was not assessed for that semester but has not been removed from a prior assessment.

Criteria for dismissal:

- A. Any dental student who earns probationary status for a total of three semesters and has an earned cumulative grade-point average below 2.0.
- B. Any dental student who receives a grade of F in a combined total of 50 percent or more of the semester credit hours in which he or she is enrolled.
- C. Any dental student achieving suspension a second time.

Promotion. No dental student shall be promoted to a succeeding semester in good standing without a 2.0, or above, overall grade-point average.

Certification for Graduation

- A. A dental student must have been enrolled for a minimum of eight separate semesters, exclusive of summer sessions or repeated courses or semesters. The dental student must have passed (or been excused from) all required courses, including two separate semesters of the fourth year curriculum, i.e., Fourth-Year Program, Family Practice, or graduate courses. Transfer dental students and advanced standing dental students may be given credit for equivalent enrollment in other schools.
- B. A dental student must have achieved a minimum of 2.0 overall grade-point average.

Leave of Absence Policy

- A. No student may be granted a leave of absence solely because of poor academic performance.
- B. Granting of all leaves must be approved by the Dean of the Dental School (or his designee), as well as the conditions for reinstatement following such a leave.
- C. Written certification shall be required of the appropriate person or agency confirming the need for a leave of absence and for concluding a leave of absence.

Similar academic standards apply to dental hygiene and dental assisting students.

The Multi-Track Dental Education Program

The first three years of the dental curriculum are referred to as the Core Curriculum, which consists of courses in the basic sciences and preclinical sciences, or dental laboratory technic courses. In addition, clinical experiences commensurate with the level of training are increased each year. All students are expected to complete the Core Curriculum and the clinical requirements listed in Table I of the Student Curriculum Handbook by the end of the summer session following the third year. During this three-year period, attendance for four weeks of the ten-week summer session following the second year is required. Also, at least one week of each of the other two summer sessions will be needed to satisfy the required extramural experiences (see below).

During the fourth year, all students are enrolled in the Family Practice Program in which the major responsibility for planning the course of study is assumed by the student. There are no required lectures in the fourth year. However, each fourth year student must satisfactorily complete the following in order to graduate:

1. The clinical experiences listed in Table II (Student Curriculum Handbook)
2. An extramural experience of three weeks

In addition to the above fourth year requirements, students with satisfactory clinical progress may enroll in intramural course offerings if they so desire. These consist of lectures, seminars and clinical experiences offered by faculty of the Schools of Dentistry and Medicine. These courses are usually available throughout the year at varying times and generally have limited enrollment.

Extramural experiences comprising a minimum of six weeks over the four years of dental school are required for all students. These are clinical experiences in any or all of the following situations: private dental office, community health center, state institution, hospital dental program. In each case, the practicing dentist on location is the faculty member directing that student's activities. These situations have been developed to help the student bridge the gap between formal education and private practice.

Any third year student who completes all clinical requirements for graduation (Table II) may apply, with the consent and support of the department chairman, for admission to the Division of Graduate Education during the fourth year. Only a very few students will be able to enter this program of advanced study.

In summary, the first three years comprise the Core Curriculum for all students. The fourth year is designated the Family Practice Program and considerable leeway is permitted the student in his course of study. All students participate in the Extramural Program, but only those who are specifically qualified may enroll in either the Intramural Program or Graduate School. This curricular design achieves desirable flexibility for the individual, but makes time demands on all students, as evidenced by the fact that almost all students spend at least part of every summer session prior to graduation in course work or clinical experiences.

Curriculum

First Year

Courses	First Semester		Second Semester		Total Credit Hours
	Lecture	Laboratory or Clinic	Lecture	Laboratory or Clinic	
Introduction to Clinical Dentistry	0	.5	.5	.5	1.5
History of Dentistry & Ethics	1	0	0	0	1
Biochemistry	5	1	0	0	6
Oral Biology	2	0	0	0	2
Tooth Morphology	1	1.5	0	0	2.5
Physiology	0	0	5	2	7
Human Anatomy	0	0	2	4	6
Histology	2	3	0	0	5
Operative Dentistry	1.5	5	1.5	3	11
Radiology	0	0	1	0	1
Occlusion	0	0	1	1	2
Periodontics	0	0	1.5	.5	2
Practice Administration I	0	0	1		1

Totals

23.5

24.5

48

Summer Session

Extramural Programs &
Clinical Procedures

1

Second Year

Craniofacial Growth & Development	1	0	0	0	1
Principles of Orthodontics	0	0	1	0	1
Clinic	0	1.5	0	1.5	3
Fixed Partial Prosthodontics	3	4	2	3	12
General Pathology	3	2	0	0	5
Periodontics	1	0	1	0	2
Oral Histology & Pathology	2	0	3	1	6
Dental Materials	3	0	0	0	3
Endodontics	0	0	1	1.5	2.5
Removable Partial Prosthodontics	0	0	2	2	4
Radiology	.5	0	.5	0	1
Complete Dentures	0	0	2	2.5	4.5
Microbiology	2	2	0	0	4

Totals

25.0

24.0

49.0

Summer Session

Extramural Programs &
Clinical Procedures

1

Third Year

Courses	First Semester		Second Semester		Total Credit Hours
	Lecture	Laboratory or Clinic	Lecture	Laboratory or Clinic	
Jurisprudence	0	0	1	0	1
Practice Administration II	0	0	2	0	2
Public Health	1	0	0	0	1
Therapeutic & Dental Pharmacology	0	0	1	0	1
Local & General Anesthesia	0	0	1	0	1
Oral Diagnosis	1.5	1	1	1	4.5
Preventive Dentistry	0	0	0	.5	.5
Fixed & Partial Prosthodontics Clinic	0	0	0	1.5	1.5
Operative Dentistry	1	2	1	1.5	5.5
Radiology	0	.5	0	0	.5
Oral Surgery	1	.5	1	.5	3
Periodontics	0	2	0	1.5	3.5
Pedodontics	1	.5	1	0	2.5
Complete Dentures	1 ¹	2	0	1.5	4.5
Orthodontics	1.5 ¹	2	0	0	3.5
Endodontics	0	0	0	1.5	1.5
Internal Medicine	0	0	1	0	1
Removable Partial Prosthodontics	2 ²	0	0	0	2
Pharmacology	2	0	0	0	2

Totals	22.5	19.5	420
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Summer Session

Extramural Programs &
Clinical Procedures

1

Fourth Year

Extramural Programs	0	0	0	2.5	2.5
Fixed Partial Prosthodontics Clinic	0	2	0	0	2
Removable Partial Prosthodontics	0	0	0	1.5	1.5
Pedodontic Clinic	0	2	0	0	2
Practice Administration III Clinic	0	0	0	1	1
Family Practice Program	0	8-16	0	8-16	16-32
Intramural Program Electives	0	1-5	0	1-5	2-10

Totals	12-25	13-26	25-51
Grand Totals	83-96	81-94	164-190
Clinical Procedures			1
			165-191

¹ Courses completed during previous summer session.

² Half of courses completed during previous summer session.

Undergraduate Courses, 1979-80

The letter before the course number indicates field of study or category. The roman numeral after the year offered indicates the semester: I, 1st semester; II, 2nd semester. The figures given in parentheses with "cr." indicate credit hours.

Anatomy

- D509-D510 Tooth Morphology: First Year I (Lecture and Laboratory) (1-1.5 cr.)** Morphologic and functional study of the teeth; their arrangement and occlusion.
- D511 Human Anatomy: First Year II (Lecture and Laboratory) (6 cr.)** Gross anatomical features of human body; special emphasis on head and neck.
- D513 Histology: First Year I (Lecture and Laboratory) (5 cr.)** Histogenesis and minute structure of human tissues and organs; morphologic evidence of their function.

Biochemistry

- B505 Biochemistry for Dental Students: First Year I (Lecture and Laboratory) (6 cr.)** Chemical nature of major tissue constituents, intermediary metabolism, chemical regulation of body functions. Principles of nutrition; emphasis on biochemistry of teeth.

Complete Denture

- D635 Complete Denture: Second Year II (Lecture, Laboratory, and Clinic) (4.5 cr.)** Lectures, laboratory, and clinical exercises in basic techniques; prepares student to solve clinical problems encountered in third and fourth years.
- D763 Complete Denture: Third Year I (Lecture) (1 cr.)**
- D764 Complete Denture: Third Year I (Clinic) (2 cr.)**
- D765 Complete Denture: Third Year II (Clinic) (1.5 cr.)** Lectures, seminars, reading assignments, clinical practice; diagnosis and treatment planning and their influence on prosthetic procedures.

Dental Materials

- D612 Dental Materials: Second Year I (Lecture) (3 cr.)** Discussion and demonstration of physical and chemical properties of dental materials; effect of manipulation upon these properties; clinical applications stressed.

Endodontics

- D617-D618 Endodontics: Second Year II (Lecture and Laboratory) (1-1.5 cr.)** Correlation of basic endodontic procedures and related biological principles.
- D780 Endodontics: Third Year II (Clinic) (1.5 cr.)** Clinical applications of principles of endodontics taught in preclinic years. Correct selection of cases, effective treatment procedures, restoration of pulpless tooth following endodontic treatment.

Extramural Programs (See Summer Clinic entry)

- D801 Extramural Programs: Fourth Year II (Clinic) (2.5 cr.)** As part of his introduction to the problems of dental practice management, office procedures and providing comprehensive dental care to many different segments of the community, each student is required to devote one week each summer session (D600, D700, D800) and three weeks during the fourth year (six weeks total) to this experience. Each student may select from the following experiences: (1) Private dental office (2) State institutions (3) Community health centers (4) Hospital dental programs. Selection of these experiences will be controlled by Assistant Dean Schimmele and assignment will be made commensurate with the individual student's level of training and ability.

Family Practice Program

- D874-D875 Family Practice Program: Fourth Year I-II (8-16 cr.)** All fourth year dental students are enrolled in these courses for completion of clinical requirements for graduation. Those students who have satisfied all clinical experiences in Table I (Student

Curriculum Handbook) may also elect to take intramural course offerings as part of their fourth year experiences.

D876-877 Intramural Program Electives: Fourth Year I-II (1-5 cr.) More than ninety intramural courses, largely clinically oriented, are available from which qualified students may select experiences to enhance their dental education and improve their clinical skills.

Fixed and Removable Partial Prosthodontics

D613-D614 Fixed Partial Prosthodontics: Second Year I (Lecture and Laboratory) (3-4 cr.)

D605-D606 Fixed Partial Prosthodontics: Second Year II (Lecture and Laboratory) (2-3 cr.) Lecture and laboratory cover fundamentals, indications, contraindications, and construction of full veneer and partial veneer crowns, the inlay as a retainer, use of pinledge, soldered joint and subocclusal rest, and indications and contraindications for fixed bridges.

D619-D620 Removable Partial Prosthodontics: Second Year II (Lecture and Laboratory) (2-2 cr.) Basic principles of diagnosis, surveying, mouth preparation, clasp design, saddle outline, types of bars and their rigidity, selection of teeth, assembly, processing and insertion and care of partial dentures.

D718 Fixed Partial Prosthodontics: Third Year II (Clinic) (1.5 cr.)

D791 Removable Partial Prosthodontics: Third Year I (Lecture) (1 cr.)

D795 Removable Partial Prosthodontics: Third Year I (Lecture) (1 cr.)

D818 Fixed Partial Prosthodontics: Fourth Year I (Clinic) (2 cr.) Clinical practice in diagnosis; pontic design and construction; indications and construction of porcelain and acrylic veneers, changes in vertical dimensions, and anterior MacBoyle retainer; classic impression technique, construction of bridge and partial veneer crowns.

D896 Removable Partial Prosthodontics: Fourth Year II (Clinic) (1.5 cr.) Survey of clinical models, splinting, and equilibration through grinding and restorative procedure.

Microbiology

J650 Microbiology for Dental Students: Second Year I (Lecture and Laboratory) (4 cr.) Microbiology as it applies to problems of the oral cavity; importance of microbiology to practicing dentists; methods and procedures of sterilization and asepsis.

Occlusion

D520-D521 Occlusion: First Year II (Lecture and Laboratory) (1-1 cr.) The student will be instructed in the relationships which exist between the teeth in the upper and lower jaws and the influence upon this relationship by the temporomandibular joint. The dynamics of occlusion and articulation will be studied in detail. Technique projects will be performed that reinforce the student's understanding of the dynamics of occlusion and articulation learned in the associated lecture course.

Operative Dentistry

D515-D516 Operative Dentistry: First Year I (Lecture and Laboratory) (1.5-5 cr.)

D517-D518 Operative Dentistry: First Year II (Lecture and Laboratory) (1.5-3 cr.) Training in principles of operative dentistry and basic technical procedures; classification of cavity preparation, instrumentation and manipulation, and physical properties of materials. Prepares for clinical program to follow.

D723-D724 Operative Dentistry: Third Year I (Lecture and Clinic) (1-2 cr.)

D725-D726 Operative Dentistry: Third Year II (Lecture and Clinic) (1-1.5 cr.) Clinical procedures in care of unit, working positions, application of rubber dam; anesthesia; impression procedures, selection of restorative materials, and cavity preparation for assigned patients.

Oral Diagnosis/Oral Medicine

D711-D712 Oral Diagnosis: Third Year I-II (Lecture and Clinic) (2.5-2 cr.) Lectures and clinical practice in oral examination, history taking, coordination of symptomatology; interpreting radiographs and detecting etiologic factors, both systemic and local, of oral disorders; clinical teaching supplemented by prepared case histories, with color photographs.

Oral Surgery

- D706 Local and General Anesthesiology: Third Year II (Lecture) (1 cr.)** A review of local anesthesia, principles of general anesthesia, nitrous oxide analgesia; diagnosis and treatment of medical emergencies.
- D733-D734 Oral Surgery: Third Year I (Lecture and Clinic) (1-.5 cr.)**
- D735-D736 Oral Surgery: Third Year II (Lecture and Clinic) (1-.5 cr.)** Lectures, demonstrations, clinical practice in local anesthesiology, surgical anatomy, and basic principles of surgery; diagnosis and treatment of diseases and infections of face, neck, oral cavity, and adjacent tissues; supervised removal of teeth and minor surgery procedures.

Orthodontics

- D601 Craniofacial Growth and Development: Second Year I (Lecture) (1 cr.)** Growth and development of the craniofacial complex is presented in descriptive and theoretical terms as it relates to occlusion and orthodontics.
- D602 Principles of Orthodontics: Second Year II (Lecture) (1 cr.)** The diagnosis and etiology of dental, skeletal and neuromuscular components of malocclusions are presented.
- D771 Orthodontic Diagnosis and Treatment Planning: Summer Session II (Lecture) (1.5 cr.)** Orthodontics: Case analysis, treatment planning and management. Biology, biomechanics of tooth movement, sequelae thereof, and interaction with other phases of dentistry.
- D772 Introduction to Clinical Orthodontics: Third Year I (Laboratory) (2 cr.)** Students perform complete orthodontic case analysis on each other. Simulated tooth movement exercises with fixed appliances on a typodont and construction of removable appliances.

Pathology

- C607 General Pathology: Second Year I (Lecture and Laboratory) (5 cr.)** Principles of disease production in human body; gross specimens and histologic analyses as means of teaching common ways in which living tissues and organs of body respond to various injurious agents.
- D608-D609 Oral Histology and Pathology: Second Year I-II (Lecture) (2-3 cr.)** Microscopic study of oral tissues and their development, including developmental abnormalities and acquired disorders. Illustrated lectures covering oral lesions. Close association is maintained with clinical dental departments.
- D610 Oral Histology and Pathology Laboratory: Second Year II (1 cr.)** A laboratory course covering the microscopic study of oral lesions of both developmental abnormalities and acquired disorders.

Pedodontics

- D761 Advanced Pedodontic Technic: Third Year I (Auto Instruction) (.5 cr.)** Current advanced technical procedures in pedodontics.
- D762 Pedodontics: Third Year I (Lecture) (1 cr.)** Child management; growth, development, and morphology of the deciduous dentition; restorative and preventive procedures for children.
- D766 Pedodontics: Third Year II (Lecture) (1 cr.)** Restorative and preventive procedures for children.
- D867 Pedodontic Clinic: Fourth Year I (2 cr.)** Clinical assignments in practice of dentistry for children.

Periodontics

- D553 Periodontics: First Year II (Lecture, Laboratory, and Clinic) (2 cr.)** Study of the normal periodontium at the clinical, histologic, and biochemical levels; progression of periodontal disease from incipient gingivitis to advanced periodontitis and the etiologic agents responsible; procedures involved in carrying out a comprehensive periodontal examination and performing a dental prophylaxis.
- D607 Periodontics: Second Year I (Lecture) (1 cr.)** Diagnosis, treatment, and prevention of periodontal disease; maintenance of oral health.
- D653 Periodontics: Second Year II (Lecture) (1 cr.)**

- D754 Periodontics: Third Year I (Clinic) (2 cr.)** Periodontal diseases confronting the general practitioner, their etiology, symptomatology, and accepted methods of treatment.
- D756 Periodontics: Third Year II (Clinic) (1.5 cr.)** Review of principles taught in preceding years; emphasis on instrumentation and clinical procedures; subject material provided by clinical cases.

Pharmacology and Therapeutics

- D705 Therapeutics and Dental Pharmacology: Third Year II (Lecture) (1 cr.)** Lectures and quizzes in rational use of drugs, supported by pharmacotherapeutics, toxicology, posology, materia dentica, prescription writing and clinical demonstrations.
- D781 Internal Medicine: Third Year II (Lecture) (1 cr.)** The more important systemic diseases and drugs used in their treatment.
- D794 Pharmacology: Third Year I (Lecture) (2 cr.)** Lectures and quizzes; site and mechanism of typical drugs, drugs used most frequently in dentistry.

Physiology

- F509 Human Physiology: First Year II (Lecture and Laboratory) (7 cr.)** Study of muscle, nervous systems, body fluids, circulation, respiration, digestion, metabolism, excretion, endocrines, sense organs, and body systems.

Practice Administration

- D504 History of Dentistry and Ethics: First Year I (Lecture) (1 cr.)** Dentistry in prehistoric, ancient, medieval, and modern periods through textbook assignment; discussion of development of modern phases of practice; development of dental education traced; dental code of ethics explained.
- D503 Practice Administration I: First Year II (Lecture) (1 cr.)** Basic concepts in personnel and business management including communications, decision-making and accounting. Introduction to dental school clinics.
- D701 Jurisprudence: Third Year II (Lecture) (1 cr.)** Cases on elementary law; contracts and torts as applied to dental practice and professional relationships, duties and liabilities, malpractice, and statutes governing dental practice.
- D702 Practice Administration II: Third Year II (Lecture and Workshop) (2 cr.)** Lecture on office administration including personnel and business management. Workshops on office scheduling, interviewing and office bookkeeping. Also, lecture-seminar on geriatric dentistry.
- D884-D885 Practice Administration III: Fourth Year I and II (Clinic) (1 cr.)** One week (five half-day) clinic experience during which students treat patients in a simulated private practice setting while applying management principles. Students will be enrolled in D884 or D885 based upon date of assignment.

Preventive Dentistry

- D507 Oral Biology: First Year I (Lecture) (2 cr.)** Lectures and laboratory exercises incorporated within the Biochemistry and Introduction to Clinical Dentistry courses in order to enhance clinical correlation of the basic sciences and correlation of the basic sciences with clinical activities.
- D714 Preventive Dentistry: Third Year II (Clinic) (.5 cr.)** Special clinic course to teach standard laboratory procedures in planning an effective preventive program for a dental patient; correlating diagnosis with treatment plan.

Public Health

- D703 Public Health: Third Year I (Lecture) (1 cr.)** Problems relating to public health as applied to dentistry; how health problems are integrated with local communities; state and national programs.

Radiology

- D519 Radiology: First Year II (Lecture and Self-Study) (1 cr.)** This course consists of lectures and student self-study. Principles of x-ray generation, nature and behavior of x-rays, chemistry of film processing, radiation biology and hygiene and radiographic interpretation are covered.

- D629 Radiology: Second Year I (Lecture and Clinic) (1 cr.)** The student will attend seven lectures on radiographic interpretation. In addition, he will be assigned to two one-half day sessions for clinical reinforcement of the lecture material. He will be able to improve his interpretive ability during these sessions.
- D630 Radiology: Second Year II (Seminar) (.5 cr.)** The student is assigned to two one-half day sessions after which he will be able to demonstrate continuing competency in intra-oral radiography and radiographic interpretation. He will also receive instruction in lateral oblique jaw and occlusal technics.
- D727 Radiology: Third Year I (Seminar) (.5 cr.)** The student will be assigned to two one-half day sessions after which he will be able to demonstrate competency in extra-oral radiographic technics and extra-oral radiographic interpretation. Technics such as lateral head plates, cross-fire localization, temporo-mandibular joint studies and panoramics will be demonstrated and studied.

Special Clinics

- D501-D502 Introduction to Clinical Dentistry: First Year I-II (.5-1 cr.)** Orientation to the clinic, radiography, oral diagnosis and treatment planning, personal oral health, surgical procedures, and local anesthesia.
- D603-D604 Clinic: Second Year I-II (1.5-1.5 cr.)** Students are scheduled to treat assigned patients needing periodontics, operative dentistry, oral surgery and radiology.

Third-year students are scheduled for numerous special clinics in the Marion County General Hospital and in the Riley and Long Hospitals, as well as in the School of Dentistry.

Summer Clinic

- D400 Extramural Programs and Clinical Procedures: First Year (1 cr.)** Each student will be required to give one week of participation in the various extramural programs during the summer session. In addition, he may elect to be assigned to various dental clinics for instruction and experience in patient care.
- D401 Extramural Programs and Clinical Procedures: Second Year (1 cr.)** Each student will be required to give one week of participation in the various extramural programs during the summer session. In addition, he may elect to be assigned to various dental clinics for instruction and experience in patient care.
- D402 Extramural Programs and Clinical Procedures: Third Year (1 cr.)** Each student will be required to give one week of participation in the various extramural programs during the summer session. In addition, he may elect to be assigned to various dental clinics for instruction and experience in patient care.
- D403 Clinical Procedures: Fourth Year (1 cr.)** Students assigned to various dental clinics for instruction and experience in patient care. See *Extramural Programs* for details.

Dental Auxiliary Education

Dental Hygiene

Director and Associate Professor Oldsen

Dean and Professor McDonald; Associate Dean and Research Professor Phillips; Associate Dean and Professor Standish; Distinguished Professor Shafer; Professors Gish, Kasle, Niederpruem, Swartz, Swenson, Tomich; Associate Professors Deane, Dickey, Dirlam, Goldblatt, Henderson, J. McDonald; Assistant Professors Dray, Nieten, Rackley, Ryan, Showley, C. Smith, Totten, Weaver; Instructors Martz, McCullough, Mordarski, Williamson

The dental hygienist is a member of the dental health team who provides educational, preventive, and therapeutic oral health services. Employment opportunities may be available in private dental practice, hospitals, public health, educational institutions, and research. Indiana University offers a program leading to an Associate in Science degree and a program leading to a Bachelor of Science degree. (See inside back cover for listing of the dental hygiene programs.)

The objectives of the associate program are designed to allow students to:

1. Perform the traditional dental hygiene functions in a private dental practice.
2. Be clinically competent in current preventive oral health services.
3. Synthesize knowledge of the basic, social, and dental sciences in assessing and performing oral health services.
4. Employ decision-making skills in providing services in community health care programs.
5. Perform additional services as determined by projected dental health needs.
6. Prepare for admission to baccalaureate programs.

Admission Requirements. The freshman year may be taken at any accredited college or university. A total of 30 semester hours must be completed, with required courses including one semester each of English composition, chemistry with laboratory, psychology, sociology, public speaking, and two semester courses in arts and humanities. All applicants must maintain a C average to be eligible for application to the program. Courses taken at institutions other than Indiana University must show a grade of C or above to be accepted as transfer credit by Indiana University. In addition, all required courses are to be completed by June of the year in which the applicant wishes to enter the program.

All applicants are to take the Dental Aptitude Test prior to the summer in which they wish to enter the Dental Hygiene Program.

A personal interview with members of the Dental Hygiene Admissions Committee is scheduled in the spring after all credentials are received.

All applications and supporting materials are to be submitted by March 1. Applications to the program and information on the Dental Hygiene Aptitude Test may be obtained by contacting: Director of Records and Admissions, Indiana University School of Dentistry, 1121 W. Michigan Street, Indianapolis, Indiana 46202, or the director at any of the regional campuses.

Class size is limited, and there are more qualified applicants than can be accepted each year. All applicants are encouraged to consult with the specific program directors for pre-dental hygiene counseling. The Dental Hygiene Admissions Committee reviews all applications without discriminating in favor of or against any applicant because of sex, race, creed, religion, handicap, or national origin. Selections are made on an individual basis, upon appraisal of the applicant's established record and potential for development.

Baccalaureate Degree Program. The bachelor's degree program provides the background for the dental hygienist to assume additional roles in the delivery of oral health services in local, state, and federal public health programs as well as in educational programs. Applicants must be graduates of an accredited dental hygiene program and have satisfactorily completed the National Board Dental Hygiene Examination. The fourth or senior year is taken through the Division of Allied Health Sciences of the School of Medicine. An application to the program

may be obtained by contacting: Director, Dental Hygiene Program, Indiana University School of Dentistry, 1121 W. Michigan Street, Indianapolis, Indiana 46202. Application deadline is March 1.

Pre-Dental Hygiene (Suggested)

First Semester

English Composition
Sociology
Arts and Humanities
Chemistry with Lab

Second Semester

Arts and Humanities
Public Speaking
Psychology
Electives

First Year Dental Hygiene

First Semester, Total 16 cr.

DHYG H212 Human Biology I (4 cr.)
DHYG H214 Oral Anatomy (3 cr.)
DHYG H216 Chemistry and Nutrition (3 cr.)
DHYG H218 Fundamentals of Dental Hygiene (4 cr.)
DHYG H303 Radiology (1 cr.)
DHYG H224 Oral Histology and Embryology (1 cr.)

Second Semester, Total 17 cr.

DHYG H213 Human Biology II (4 cr.)
DHYG H308 Dental Materials (2 cr.)
MICR J200 Microbiology and Immunology (4 cr.)
DHYG H215 Pharmacology and Therapeutics (2 cr.)
DHYG H219 Clinical Practice I (3 cr.)
DHYG H242 Introduction to Dentistry (1 cr.)
DHYG H205 Medical and Dental Emergencies (1 cr.)

Second Year Dental Hygiene

First Semester, Total 16 cr.

DHYG H217 Preventive Dentistry (1 cr.)
DHYG H303 Radiology (1 cr.)
DHYG H304 Oral Pathology (2 cr.)
DHYG H301 Clinical Practice II (4 cr.)
DHYG H311 Dental Health Education (2 cr.)
DHYG H321 Periodontics (2 cr.)
DAST A190 Expanded Restorative Functions (4 cr.)

Second Semester, Total 12 cr.

DHYG H302 Clinical Practice II (4 cr.)
DHYG H303 Radiology (1 cr.)
DHYG H309 Community Dental Hygiene (2 cr.)
DHYG H344 Senior Hygiene Seminar (2 cr.)
AHL E443 Public Health Education Methods (3 cr.)

Courses for the Professional Curriculum for Dental Hygienists

H205 Medical and Dental Emergencies (1 cr.) A study in emergency situations in the dental office, including predisposing factors and drugs, and treatment to include the support of the cardiopulmonary system.

H212-H213 Human Biology I-II: First Year (4-4 cr.) Gross and microscopic anatomy, physiology, embryology, and pathology of the human body with special emphasis on the head and neck.

H215 Pharmacology and Therapeutics: First Year (2 cr.) Actions and uses of drugs and theory of anesthetics; emphasis on drugs used in dentistry.

H216 Chemistry and Nutrition: First Year (3 cr.) Specific ideas in chemistry are correlated with working principles in dentistry—previous knowledge of chemistry assumed.

H217 Preventive Dentistry: Second Year (1 cr.) Detection and prevention of dental disease; included is a study of dental surveys, dental indices, and fluoride therapy.

H218 Fundamentals of Dental Hygiene: First Year (3-4 cr.) An introduction to the dental and dental hygiene profession, including the basic didactic and laboratory/clinic practice for the performance of dental hygiene services.

H219 Clinical Practice (3 cr.) Performance of dental hygiene services in various clinical settings. Included is didactic instruction application of dental hygiene procedures for providing patient care and an introduction to oral diagnosis.

H221 Clinical Dental Hygiene Procedures (1 cr.) Clinical assignment for instruction and experience in performing dental hygiene services.

H224 Oral Histology and Embryology (1 cr.) Histological aspects of the tooth and periodontium; embryologic development of the face and neck.

- H242 Introduction to Dentistry (1 cr.)** An overview of the specialties of dentistry with specific lectures on cavity classification and nomenclature, instrument nomenclature, principles of cavity preparation, the space maintenance concept, management of the child patient, use of the rubber dam in direct and indirect pulp therapy.
- H301-H302 Clinical Practice II-III (4-4 cr.)** Continued performance of dental hygiene services in various clinical settings. Included is didactic instruction and clinical application of dental hygiene services for providing patient care.
- H303 Radiology: First and Second Years (2-1 cr.)** Principles of radiation production, placement of intra-oral film, proper exposure and processing of film, radiation safety, and interpretation of radiographs.
- H304 Oral Pathology: Second Year (2 cr.)** Developmental abnormalities and acquired disorders of teeth and surrounding structure.
- H308 Dental Materials: First Year (2 cr.)** Composition, physical and chemical properties of materials used in dentistry.
- H309 Practice of Community Dental Hygiene: Second Year (2 cr.)** Supervised field experience in various community settings, including dental health instruction and treatment in schools and dental health education to community organization.
- H311 Dental Health Education (2 cr.)** An introduction to basic communication and motivation skills, instructional objectives, learning theory, evaluation of educational materials, special needs patients.
- H321 Periodontics (1-2 cr.)** A study of periodontal disease, including the anatomy, classification, etiology, treatment, and relationship to systemic conditions.
- H344 Senior Hygiene Seminar (1-2 cr.)** Ethics, jurisprudence, and practice management concepts, including a study of state practice acts, dental hygiene employment opportunities, recall systems, and current trends in the dental hygiene profession.
- A190 Expanded Restorative Functions: Second Year (4 cr.)** Laboratory and clinical course in the techniques for rubber dam application; study model impressions, matrix placement; placement and removal of treatment restorations; placement, carving, and finishing of amalgam restorations; placement and finishing of resin, composite, and silicate restorations.

Courses Outside the School of Dentistry

Allied Health E443 Public Health Education Methods (Second Year) (3 cr.)

Microbiology J200 Microbiology and Immunology (First Year) (4 cr.)

Dental Assisting

Director and Assistant Professor Carr

Dean and Professor McDonald Associate Dean and Research Professor Phillips; Professors Barton, Katz, Swartz; Associate Professors DeCastro, Dirlam, Goldblatt, Henderson, Koerber, J. McDonald, Miller, Moore; Assistant Professors Hazelrigg, Showley; Instructors Chisler, Williamson; Research Associate Gruner.

The dental assisting program covers one academic year (two semesters) and includes approximately 1,000 hours of lecture, laboratory, and clinical instruction. Candidates for admission to the program must be high school graduates with a 2.5 grade-point average (on a 4.0-point scale), or GED equivalent, submit scores for SAT or ACT and take the Dental Assisting Aptitude Test offered in November, January, and March prior to the year in which they wish to enroll in the program. Application forms for this test are available on each campus. Successful completion of a course in typing with a grade of C or better is required. High school courses in biology and chemistry are strongly recommended. Students who successfully complete the program are eligible to take the Certification Examination administered by the American Dental Assistants Association. Students may continue their education by applying their work in Dental Assisting toward a four-year baccalaureate degree program in Health Occupations Education or Allied Health Occupations.

Each year there are more qualified applicants than can be accepted, and the competition is intense. Applications may be obtained from any program office, and the completed form must be returned by April 1, for each program that the applicant wishes to be considered.

Additional information, applications, etc., may be obtained by writing to the appropriate address listed on the inside back cover.

First Semester, Total 17.5 cr.

- DHYG H214 Oral Anatomy (3 cr.)
- DAST A111 Oral Pathology, Physiology, and Anatomy (1 cr.)
- DAST A121 Microbiology (1 cr.)
- DAST A131 Dental Materials Lecture (1 cr.)
- DAST A133 Dental Materials Lab (1.5 cr.)
- DAST A141 Preventive Dentistry and Nutrition (1.5 cr.)
- DHYG H303 Radiology Lecture (1 cr.)
- DAST A151 Radiology Clinic I (.5 cr.)
- DAST A161 Behavioral Science (1 cr.)
- DAST A171 Dental Assisting I (6 cr.) Introduction to Dental Assisting; Chairside Procedures; Asepsis Technique Lab

Second Semester, Total 16 cr.

- DHYG H242 Introduction to Dentistry (1 cr.)
- DAST A132 Dental Materials Lecture (1 cr.)
- DAST A134 Dental Materials Lab (1.5 cr.)
- DAST A152 Radiology Clinic (.5 cr.)
- DAST A162 Oral and Written Communication (1 cr.)
- DAST A172 Dental Assisting II (8 cr.) Dental Office Emergencies; Office Practice Management; Supervised Clinical Application
- DAST A112 Pharmacology and Therapeutics (1 cr.)
- DAST A113 Oral Pathology, Physiology, and Anatomy (2 cr.)

Summer (Elective)

- DAST A190 Expanded Restorative Functions (4 cr.)

Courses for the Professional Curriculum for Dental Assistants

- A111-A113 Oral Pathology, Physiology, Anatomy (1-2 cr.)** An overview of the structures, functions, and diseases of the human body, including basic cells, tissues, organs, and organ systems, with specific emphasis on diseases of the face and mouth; also includes histologic aspects of tooth and periodontium and embryonic development of the face and neck formerly covered in H224, Oral Histology and Embryology.
- A112 Pharmacology and Therapeutics: (1 cr.)** Actions and uses of drugs and theory of anesthetics: emphasis on drugs used in dentistry.
- A121 Microbiology (1 cr.)** General introduction to microbiological aspects of health and disease states of man. Description of types and activities of members of the microbial world, host-parasite relationships, and prevention of disease transmission.
- A131-A132 Dental Materials Lecture I-II (1-1 cr.)** A course designed to acquaint the student with the basic mechanical, physical and chemical properties of dental materials and the effect of manipulation procedures on these properties. The exact role of properties in the usage and clinical behavior of materials is stressed. Also, certain biological considerations are covered.
- A133-A134 Dental Materials Laboratory I-II (1.5-2.5 cr.)** The student should be able to explain his selection, describe characteristics, and demonstrate proper manipulation of the most common materials used in the practice of dentistry. The student should recognize the proper causes for failures of materials and the role played by the assistant in success or failure.
- A141 Preventive Dentistry and Nutrition (1.5 cr.)** Etiology of prevalent oral diseases and their prevention with particular emphasis on plaque, plaque control, and fluorides. The effects of major nutrients on the physiologic body processes; applied nutrition in dental caries and periodontal disease. Clinical and laboratory experiences.
- A151-A152 Radiology Clinic I, II (.5-.5 cr.)** Clinical experience in the placing, exposing, processing, evaluating and mounting of intra-oral and extra-oral dental radiographs. Practical application of radiation safety measures is required in the clinical setting.
- A161 Behavioral Science (1 cr.)** An introduction to psychology applicable in the dental office, emphasizing communication and personal relationships; the role of the dental assist-

ant as seen by the dentist, auxiliaries, and patient. Attitude, personality, motivation, and habit formation are discussed from a dental perspective.

A162 Oral and Written Communication (1 cr.) Instruction and practice in gathering and organizing material for written and oral presentation. Individual and group projects in communication, including table clinics, posters, and professional articles for publication.

A171 Dental Assisting I (6 cr.) A core course in dental nomenclature; historical developments in dentistry; role of assistant as member of dental health team; ethics and jurisprudence; application of sterile procedures and disinfection techniques; dental specialties; charting the mouth; identification and utilization of instruments and equipment; principles of dental procedures and instrument transfer.

A172 Dental Assisting II (8 cr.) An additional core course including recognition and clinical experience of systemic emergencies; dental practice management in telephone and reception procedures, appointment control, clinical and financial records, purchasing and inventory control; clinical chairside experience with undergraduate and graduate dental students; extramural experiences at Riley and Veterans Hospitals.

A190 Expanded Restorative Functions (4 cr.) Laboratory and clinical course in the techniques for rubber dam application; study model impressions; matrix placement; placement and removal of treatment restorations; placement, carving, and finishing of amalgam restorations; placement and finishing of resin, composite, and silicate restorations.

H214 Oral Anatomy (3 cr.) A study of the morphology, structure, and function of deciduous and permanent teeth and surrounding tissues, also including osteology of the maxilla and mandible, nerve and vascular supply of teeth, muscles of mastication, with reinforcing laboratory procedures and clinical application.

H242 Introduction to Dentistry (1 cr.) An overview of the specialties of dentistry with specific lectures on management of the child patient, the space maintenance concept, patient motivation, and auxiliary involvement with the geriatric patient.

H303 Radiology Lecture (1 cr.) The principles of radiation production, theories of radiographic image formation, chemistry of film processing, radiation hygiene and interpretation of finished radiographs are studied in this course.

Graduate Work in Dentistry

Dental Graduate Faculty

Dean and Professor McDonald

Chairman: Associate Dean and Professor Standish

Research Professor Muhler; Associate Dean and Research Professor Phillips; Associate Dean and Professor Bogan; *Distinguished Professor* Shafer; Professors Barton (*Secretary*), Bixler, Boone, Chalian, Cunningham, Dykema, Garner, Gilmore, Kasle, Katz, Lund, O'Leary, Patterson, Shanks, Starkey, Swartz, Tomich; Associate Professors Allmann, Avery, Baldwin, Carr, Cochran, Detamore, Gish, Goodacre, Goldblatt, Hansen, Henderson, Hennon, Klein, Koerber, McDonald, Matlock, Miller, Moore, Newton, Olson, Potter, Schnell, Van Roekel, Assistant Professors Mercer, Susott.

Advisory Faculty: Assistant Dean and Professor Roche; Professors Boyd, Hutton, Swenson; Assistant Professor Simpson

The Master of Science in Dentistry (M.S.D.) program is intended primarily for students who have received the doctorate in dentistry and who wish to go on to obtain an adequate background in one of the various specialized fields of dentistry or of the allied basic sciences, in order to broaden their dental background or to complete the academic requirements for specialty boards. Under special circumstances, the M.S.D. degree may be conferred upon outstanding individuals not holding the D.D.S. or equivalent degree who have demonstrated ability in dental research and education and who give good evidence of continuing in these fields.

Students may also register in the Graduate School of Indiana University and work toward the M.S. or Ph.D. degree. An M.S. program is available in the fields of dental materials, oral diagnosis-oral medicine, oral pathology, orthodontics, and preventive dentistry. M.S. and Ph.D. degree programs are also available in the fields of physiology, microbiology, pharmacology, and dental science on the Medical Center campus.

The M.S.D. degree may be granted in the following major areas of concentration: anatomy, biochemistry, crown and bridge prosthetics, dental materials, endodontics, operative dentistry, oral diagnosis-oral medicine, oral pathology, oral surgery, orthodontics, pedodontics, periodontics, preventive dentistry, prosthetic dentistry, public health, and radiology.

In general, students who wish to practice or teach a clinical subject are encouraged to work toward the M.S.D., while those more interested in the basic science courses would be advised to complete the requirements for the M.S. degree.

The Ph.D. program in dental science is designed specifically for individuals who desire to teach and pursue a career in dental research and education. An outside minor of advanced courses in dental science is offered which is especially designed to give students an understanding of the basic problems to be met in the clinical dental sciences and a familiarity with the application of the basic sciences to dentistry.

Admission. Only students who have a minimum accumulative grade average of B will be considered for admission, unless under exceptional circumstances the prospective student can provide evidence that he is capable of successfully completing the graduate dental program. Application forms (see back cover) must be accompanied by transcripts of undergraduate and professional work together with such additional materials as may serve to determine eligibility and ability to conduct satisfactorily an advanced course of study.

Candidates for admission to graduate programs should be sure that their completed applications, with all supporting documents, are received at the Graduate Dental Office by November 1 of the year preceding the summer when they wish to enroll.

Faculty Committee. Candidates for degrees are assigned to a graduate faculty committee. This committee is composed of the chairman of the candidate's major subject, who serves as the chairman of the committee, and four additional graduate faculty members. It is the purpose of this committee to advise the student concerning his academic progress and research.

Degree Requirements. Requirements for the M.S. and Ph.D. degrees are outlined in the *Bulletin of the Graduate School*. Requirements for the M.S.D. are as follows:

Course Work. A minimum of 30 hours of course work, of which at least 18 hours must be devoted to didactic work. Of this total of 18 hours, no more than six may be in an advanced clinical practice investigation. A total of six hours must be in research; however, no additional credit will be allowed if the student takes courses in excess of six hours. Each student must satisfactorily complete an original research problem.

Required courses must be taken in the proper sequence, as specified by the student's committee. In most departments there are additional program requirements designed to meet such criteria as may be specified by the several dental specialty boards and the Council on Dental Education for Accredited Advanced Dental Education Programs for the Preparation of Specialists.

Final credit requirement is determined by each student's graduate committee and is usually dependent upon the student's previous academic accomplishments.

Examinations. The members of the student's committee will conduct preliminary oral examinations covering essentially the candidate's fields of study. The student must complete his preliminary oral and written examination six months prior to his intended date of graduation. He is eligible to take these examinations upon the completion of one-half of his didactic course requirements.

Thesis. The student must submit typed drafts of his thesis to the members of his faculty committee two weeks prior to his thesis examination. Upon acceptance by the faculty committee, and at least two weeks prior to commencement, the student must deliver to the graduate office four unbound final copies of the thesis, an acceptance sheet signed by his committee, a 500-word abstract, and a vita sheet.

Fees. Fees for resident students in the graduate dental program are \$40 per credit hour, and for nonresidents \$96 per credit hour. An advanced payment of \$200 on fees is required after a student has been accepted. This fee is not returnable except in instances where students are called to active military duty. Fees subject to change.

Instrument Charges. Currently, graduate students in the clinical courses are required to purchase instruments and/or pay a rental fee. The approximate charges for dental instruments and expendable materials under the present system are:

Fixed and Removable Partial

Prosthodontics

Instruments, \$2,600

Rental fee, \$220 per calendar year

Endodontics

Rental fee, \$220 per calendar year

Operative Dentistry

Instruments, \$700

Rental fee, \$220 per calendar year

Orthodontics

Instruments, \$1140

Pedodontics

Rental fee, \$45 per calendar year

Periodontics

Instruments, \$170

Rental Fee, \$220 first year only

Complete Denture

Instruments, \$870

Rental Fee, \$220 per calendar year

Major Fields of Graduate Study

In addition to the general requirements for the degree program as described in the preceding pages, the various departments may specify additional didactic or clinical requirements in order to qualify for a major or minor in that field. For program details, the student should consult with the departmental adviser.

Anatomy

Course Requirements: Major, 15 hours; Minor, 6-8 hours¹

Recommended Courses: G901, G903, G909, G910, G932, G990, G991, G994

Elective Courses: C605, G902, G904, G907, G908, G948, G971, G974

Biochemistry

Course Requirements: Major, 13 hours; Minor, 10 hours¹

Recommended Courses: G909, G910, G929, G970, G971, G972, G973, G974, G985

Elective Courses: F812, F816, F842, G959, R909, R910, R911, R912, R913, G982

Complete Denture

Course Requirements: Major, 12 hours; Minor, 8 hours¹

Recommended Courses: G902, G909, G910, G914, G915, G916, G917, G919, G940, G962, G991

Elective Courses: G901, G911, G913, G947, G948, G967, G974, R912, R913

Dental Materials

Course Requirements: Major, 13 hours; Minor, 6-8 hours¹

Recommended Courses: G909, G910, G911, G912, G913, G921, R909, R910, R911

Elective Courses: G936, G941, G951

Endodontics

Course Requirements: Major, 14 hours; Minor, 6-8 hours¹

Recommended Courses: C605, G902, G905, G907, G908, G909, G910, G926, G946, G948, G956, G957, G959, G965, R909, R910, R911, G980

Elective Courses: G901, G904, G905, G906, G953, G969, G974, G994

Fixed and Removable Partial Prosthodontics

Course Requirements: Major, 10-12 hours; Minor, 6-8 hours¹

Recommended Courses: G909, G910, G911, G923, G937, G938, G939, G940, G941, G942, G943, G944, G962, R909, R910, R911

Elective Courses: G901, G912, G913, G948, G956, G967, G974

Maxillofacial Prosthetics

Course Requirements: Major, 15 hours; Minor, 6-8 hours

Recommended Courses: G917, R918, R921, R922, R923

Elective Courses: G902, G904, G906, G908, G910, G911, G912, G913, G914, G942, G947, G962, G964, G975, G978, G979, R901, R903, R908, R914

Operative Dentistry

Course Requirements: Major, 12 hours; Minor, 6 hours¹

Recommended Courses: G901, G902, G910, G913, G925, G950, G951, G952, G953, R909, R910, R911

Elective Courses: R901, G907, G908, G911, G941, G944, G956, G962, G965, G967, G974, R912, R913, G982, G983, G985, G994

Oral Diagnosis—Oral Medicine

Course Requirements: Major, 14 hours; Minor, 6-8 hours¹

Recommended Courses: C605, C901, G902, G906, G907, G908, G909, G910, G918, G965, G968, G969, G986

Elective Courses: G904, G905, G959, G994, R914, R916

Oral Pathology

Course Requirements: Major, 12 hours; Minor, 6 hours¹

Recommended Courses: C605, G902, G903, G904, G905, G906, G907, G909, G910, G920

Elective Courses: R914, G908, G955, G959, G965, G968, G969, G992, G993, G994

Oral and Maxillofacial Surgery

Course Requirements: Major, 12 hours; Minor, 6-8 hours¹

Recommended Courses: G902, G904, G905, G906, G907, G909, G991, R903, R904, R905, R906, R907

Elective Courses: C605, G908, G935, G947, G955, G965, G969, G994, R901

Orthodontics

Course Requirements: Major, 14 hours; Minor, 6 hours¹

Recommended Courses: R914, G927, G947, G958, G960, G963, G964, R900

Elective Courses: G901, G902, G905, G965, R902, R908

Pedodontics

Course Requirements: Major, 15 hours; Minor, 6-8 hours¹

Recommended Courses: G902, G909, G922, G931, G934, G935, G936, G945, G947, G962

Elective Courses: G901, G907, G912, G917, G946, G965, G968, R909, R910, R911, R912, R913, G993, G994, G999

Periodontics

Course Requirements: Major, 15 hours; Minor 6-8 hours¹

Recommended Courses: G901, G902, G905, G907, G909, G910, G928, G965, G966, G967

Elective Courses: G948, G955, G959, G968, R909, R910, R911, G991

Preventive Dentistry

Course Requirements: Major, 18 hours; Minor, 6 hours¹

Recommended Courses: G909, G910, G930, G967, G974, R909, R910, R911, R912, R913, G982, G983, G985, G995, G996

Elective Courses: G902, G934, G948, G970, G971, G972, G973

¹ Credit in the major area will range from 10-15 hours, with 6-10 hours required in the minor area course concentration. Additional hours of elective course work must be carried to complete a minimum of 30 credit hours.

Public Health

Course Requirements: Major, 16 hours; Minor, 7-9 hours¹

Recommended Courses: G909, G910, G933, G982, G983, G995, G996, G997, G998, G999

Elective Courses: G971, G974, R909, R910, R911, R912, R913

Noncredit Courses: Community Health Education, Personnel Management, Business and Professional Speaking

Radiology

Course Requirements: Major, 14 hours; Minor, 6 hours¹

Recommended Courses: G908, G910, G924, G946, G948, G961, G975, G978, G979

Elective Courses: G904, G974, R909, R910, R911, R912, R913

¹ See footnote on preceding page.

Postgraduate Study in Dentistry

A student who wishes to take graduate courses in dentistry but does not plan to work toward an advanced degree, or who is not eligible to enter a graduate dental program, may take certain courses as a postgraduate student. In such instances the student will receive academic credit upon payment of the regular fees for such courses. All grades earned will be recorded in the Office of Records and Admissions and will also appear on official University transcripts. A certificate of attendance may be issued upon completion of requirements prescribed by the department.

Hospital Residency programs are offered in Maxillofacial Prosthetics (two or three years), Oral and Maxillofacial Surgery (three years), and Pedodontics (two years). Information about these programs may be obtained from the Graduate Dental Office at the address given on the inside back cover.

Indiana University School of Dentistry and Wishard Memorial Hospital jointly offer a General Practice Residency Program. This 12-month certificate program is designed to prepare the resident to manage the total oral health care of outpatients and inpatients. The program is hospital-based and emphasizes clinical experience in comprehensive dental care.

Oral and Maxillofacial Surgery

Course Requirements: Major, 12 hours; Minor, 6-8 hours

Recommended Courses: C902, C903, C904, C905, C907, C909, C908, R901, R904, R905, R906, R907

Elective Courses: C906, C906, C905, R907, C905, C904, C904, C904, R901

Orthodontics

Course Requirements: Major, 18 hours; Minor, 6 hours

Recommended Courses: R914, C917, C917, C918, C918, C918, C918, R900

Elective Courses: C901, C901, C905, C902, R901, R901

Pedodontics

Course Requirements: Major, 15 hours; Minor, 6-8 hours

Recommended Courses: C902, C903, C903, C903, C904, C905, C906, C905, C907, C907

Elective Courses: C901, C907, C902, C907, C904, C905, C906, R901, R910, R911, R912, R913, C903, C904, C909

Periodontics

Course Requirements: Major, 15 hours; Minor, 6-8 hours

Recommended Courses: C901, C902, C905, C907, C905, C907, C907, C905, C905, C905

Elective Courses: C904, C905, C900, C904, R909, R910, R911, C901

Preventive Dentistry

Course Requirements: Major, 18 hours; Minor, 6 hours

Recommended Courses: C909, C910, C910, C907, C907, R908, R915, R917, R912, R911, C902, C902, C902, C906

Elective Courses: C902, C904, C904, C907, C907, C907, C907

Credit in the major area will range from 10-15 hours, with emphasis on practical experience. Recommended concentration. Additional hours of elective courses will count to complete a minimum of 30 credit hours.

Graduate Courses, 1979-80¹

- G605 General Pathology (1-5 cr.)** Broad fields of disease; inflammation and infection; study of material in classroom and at autopsy; disease related to anatomic systems correlated with clinical subjects.
- G901 Advanced Oral Histology and Embryology (2 cr.)** Normal structures of oral cavity, their growth and development; microscopic study of tissues.
- G902 Advanced Oral Pathology (1-6 cr.)** All phases of disease of oral cavity and adjacent structures; oral manifestations of systemic disease; disturbances of growth and development, infections, and neoplasms; microscopic study of tissue sections.
- G903 Histologic Technique (1 cr.)** Theoretical and practical preparation of tissue for microscopic study and application of special techniques in routine laboratory procedures and research.
- G904 Special Pathology of Neoplasms (3 cr.)** Neoplastic disease in oral pathology; microscopic diagnosis; clinical features and treatment of tumors.
- G905 Special Pathology of Bone (1-3 cr.)** Histology, physiology, pathology of bone with reference to maxilla and mandible; development, growth, maintenance, functional adaptation of bone; bone in pathologic states such as developmental disturbances, inflammatory disturbances, disturbances of metabolism, tumors.
- G906 Tumor Clinic (½ cr.; 1 cr. maximum)** Clinical manifestation of neoplastic diseases; various types of therapy; tumors of head and neck.
- G907 Oral Surgery Pathology Conference (½ cr.; 1 cr. maximum)** Presentation of cases which are diagnostic problems; student prepares several cases for presentation.
- G908 Advanced Radiographic Interpretation (2 cr.)** Theory and practice of radiographic interpretation; correlations between gross anatomy, histology, pathology, and the radiograph.
- G909 Recent Advances in Dentistry (1 cr.)** Recent developments in dentistry; introduction to statistics and how research problems should be designed.
- G910 Seminar (1 cr.)**
- G911 Theory of Dental Metallurgy (1-5 cr.)** Composition, chemical reactions, physical properties, clinical significance of metals, resins, and other materials used in dentistry; phases of metallography, physical chemistry, physics pertinent to this field.
- G912 Specifications and Test Methods in Dental Materials (1-5 cr.)** Specialized test methods; attention to A.D.A. specifications.
- G913 Clinical Application of Dental Materials (1-4 cr.)** Practical application of basic knowledge; unique problems of dental materials and avenues for future research.
- G914 Advanced Complete Denture Theory (1-3 cr.)** Advanced theories of prosthetic denture service; discussions on hinge axis, involved articulators, comparative values of the various types of denture materials and prosthetic teeth.
- G915 Advanced Complete Denture Clinic (1-6 cr.)** Clinical practice following advanced theories and practices suggested in G914.
- G916 Special Problems in Complete Denture Design (1-4 cr.)** Treatment of patients with difficult and unusual prosthetic denture problems.
- G917 Maxillofacial Prosthetics (1-6 cr.)** Lectures on the prosthetic rehabilitation of individuals with congenital, acquired, or developmental intraoral and extraoral defects; hospital routine and multidisciplinary approach to treatment.
- G918 Research: Oral Diagnosis-Oral Medicine (cr. arr.)**
- G919 Research: Complete Denture (cr. arr.)**
- G920 Research: Oral Pathology (cr. arr.)**
- G921 Research: Dental Materials (cr. arr.)**
- G922 Research: Pedodontics (cr. arr.)**
- G923 Research: Fixed Partial Prosthodontics (cr. arr.)**
- G924 Research: Radiology (cr. arr.)**
- G925 Research: Operative Dentistry (cr. arr.)**
- G926 Research: Endodontics (cr. arr.)**
- G927 Research: Orthodontics (cr. arr.)**
- G928 Research: Periodontics (cr. arr.)**
- G929 Research: Biochemistry (cr. arr.)**

¹ The availability of specific course offerings may vary from year to year.

- G930 Research: Preventive Dentistry (cr. arr.)**
- G931 Advanced Pedodontics (1-3 cr.)** Two-semester course; diagnostic, restorative preventive phases of pedodontics; evaluation of the literature.
- G932 Research: Anatomy (cr. arr.)**
- G933 Research: Public Health (cr. arr.)**
- G934 Advanced Clinical Pedodontics (1-6 cr.)** Advanced restorative and preventive procedures in pedodontics; instruction and clinical experience in restorative dentistry, dental caries control, hereditary and congenital dental anomalies, oral habits, interceptive orthodontic procedures.
- G935 Dental Pediatrics (2 cr.)** Dental problems of the chronically ill and handicapped child; lectures, discussions, and ward rounds cover normal and abnormal physical and emotional growth of the child.
- G936 Principles of Pedodontic Restorative Procedures (1-3 cr.)** Restorative and interceptive orthodontic procedures.
- G937 Advanced Clinical Instruction in Removable Partial Prosthodontics (2-6 cr.)** Clinical construction of clasp-retained removable partial dentures, involving both normal mouths and those mutilated by accidents or extensive surgery.
- G938 Advanced Removable Partial Prosthodontics Technique (1-6 cr.)** Includes precision attachments; surveying of models and designing of appliances; planning overall treatment for partially edentulous mouths.
- G939 Porcelain Jacket Crown Technique (2 cr.)** Construction of porcelain jacket crowns to dimension and form; rebuilding nonvital or mutilated teeth to prepared form; multiple construction in one arch and in opposing arches.
- G940 Advanced Clinical Instruction in Fixed Partial Prosthodontics (1-6 cr.)** Construction of porcelain jacket crowns, acrylic bridges, stabilizing splints, occlusal reconstruction, increasing vertical dimension, full mouth reconstruction, splinting of abutment teeth, reconstruction of crown form of abutment teeth in preparation of mouths for removable bridges and partial dentures.
- G941 Advanced Fixed Partial Prosthodontics Technique (1-4 cr.)** Construction of porcelain jacket crowns; reproduction of anatomic variation and color distribution; construction of plastic veneers and masking materials over gold; precision attachment technique.
- G942 Gnathology Seminar (2 cr.)** Review of the literature, philosophies, and techniques of major contributors to the development of modern gnathological concepts.
- G943 Tooth Form and the Modifications Required in the Construction of Retainers and Pontics (1-2 cr.)** Topographical anatomy and contours in restorations of gold, porcelain, resin; methods of modifying or altering function for stimulation or protection of alveolar process and periodontal membrane.
- G944 The Principles of Gnathology (2 cr.)** Lectures, laboratory, and clinical exercises demonstrating the application of gnathological principles to restorative dentistry. Primarily, the concepts of Stallard, Stuart, and Thomas.
- G945 Pedodontic Seminar (1 cr.)** P: G934, G931, G935. For second-year graduate students and residents; current literature, research design, advanced case analysis and diagnosis.
- G946 Advanced Clinical Radiography (1-4 cr.)** G948 prerequisite or taken concurrently. Clinical study of intra-oral and extra-oral radiographic techniques; various errors associated with oral radiographic techniques; problems and mechanisms associated with operation of a teaching-service clinic in oral radiography.
- G947 Cephalometrics (1-4 cr.)** P: G991. Technique of procuring films of living individuals; tracing of important facial landmarks and planes; taking of significant angular and linear readings, and transposing same to a graph.
- G948 Advanced Radiology (2 cr.)** Applications in X-ray production, intra-oral and extra-oral techniques, film processing, radiographic interpretation, radiation hygiene.
- G949 (J949) Microbial Physiology (3 cr.)** Chemical and physical nature of bacteria, their metabolic and physical properties, their response and adaptation to their environment.
- G950 Advanced Clinical Operative Dentistry (1-6 cr.)** Comprehensive restorative care correlated with modern preventive dentistry principles; current concepts of operative dentistry.
- G951 Fundamental Concepts of Operative Dentistry (2 cr.)** Historical background of cavity preparation; engineering principles and mechanics of tooth reduction illustrate systematized cavity preparation.

- G952 Analysis of Operative Procedures (2 cr.)** Restorative techniques and physical properties of dental materials correlated to properties of tooth structure; pulp protection and permanency of restorations.
- G953 Recent Advances in Operative Dentistry (2 cr.)** Current concepts dictated by research; correlation of reports on the literature.
- G954 Principles of Crystal Growth (2 cr.)** Physical and chemical properties of crystalline solids in light of their atomic structure and with respect to their environment; applications to medical and dental growths.
- G955 Endocrinology (1-3 cr.)** General endocrinology and basic endocrine mechanisms; adrenal, pancreatic, thyroid, and parathyroid functions; oral and dental problems specifically associated with endocrine malfunction.
- G956 Advanced Endodontics (1-6 cr.)** Instruction and training in the treatment of complex endodontic cases.
- G957 Analysis of Endodontic Theory (1-4 cr.)** Review, study, and application of currently advocated endodontic procedures.
- G958 Bio-Mechanics (1-4 cr.)** Principles of force application used in altering dento-facial relationship; appliance design, fabrication, and activation; specific treatment procedures discussed and applied on the typodont.
- G959 Oral Microbiology (1-3 cr.)** Oral bacteria flora and their relationship to various branches of dentistry.
- G960 Advanced Orthodontic Clinic (1-6 cr.)** Details of treatment plan based on careful analysis; timing phenomena; re-analysis of treatment; cleft palate, surgical correction, temporomandibular syndrome.
- G961 Advanced Radiographic Concepts (1 cr.)** Principles of radiography in temporomandibular joint studies, sialography, panoramic radiography, laminography, cineradiography, cephalometry.
- G962 Fundamentals of Occlusion (2-4 cr.)** Basic normal and abnormal processes which influence occlusion of humans as compared to that of herbivore, carnivore, and rodents; effects of unsatisfactory occlusion.
- G963 Advanced Orthodontic Techniques (2 cr.)** Details of wrought and cast appliances used in treatment of malocclusions.
- G964 Dento-Facial Analysis (2 cr.)** P: G947. Methods of determining and evaluating deviation from normal dental, skeletal, muscular, integumental patterns; treatment objectives with respect to stability, esthetics, function.
- G965 Histophysiology and Pathology of the Periodontium (2 cr.)** Gross clinical observations correlated with microscopic findings of normal periodontium and periodontium under stress of orthodontic care, periodontal disease, periapical pathosis, systemic diseases; physiological role of tissues at cellular level.
- G966 Advanced Clinical Periodontics (1-4 cr.)** Advanced cases of special interest involving diseases of soft tissue and bony support treated and evaluated.
- G967 Advanced Periodontics (1-4 cr.)** Periodontal diseases relating to etiology, symptomatology, treatment, differential diagnosis.
- G968 Advanced Clinical Oral Diagnosis-Oral Medicine (1-6 cr.)** Usual and unusual oral pathologic problems of patients.
- G969 Advanced Didactic Oral Diagnosis-Oral Medicine (2 cr.)** Advanced diagnostic techniques and instruments applied with clinical signs and symptoms of oral and peroral diseases.
- G970 Advanced Biochemistry Laboratory (1-3 cr.)** Special problems in intermediary metabolism; cellular respiration and experiments relating to inorganic metabolism; experimental hormonal problems.
- G971 Intermediary Metabolism (3 cr.)** Metabolic pathways of fats, carbohydrates, proteins; cellular respiration and its effect on oral tissues.
- G972 Proteins and Nucleic Acids (2 cr.)** Composition of proteins and protein-like substances; structure, method of analysis, relation of protein to other biological factors.
- G973 Vitamins, Mineral Metabolism, and Hormones (2 cr.)** Structure and relation to disease and metabolism of these substances in relation to normal and abnormal dental diseases.
- G974 Advanced Nutrition (2 cr.)** Special nutritional problems relating to calcification and soft tissue health; relation of fats, carbohydrates, proteins, vitamins, minerals, drugs on dental structures.

- G975 Basic Radiological Physics (2 cr.)** Basic properties of various types of ionizing radiation, their interaction with matter, fundamentals of radiation detection and measurement, basic instrument design.
- G978 Fundamentals of Radiation Biology (2 cr.)** P: G975. Effects of ionizing radiation on biological systems; concepts of mechanisms of action and effects at molecular, cellular, organ, total body levels.
- G979 Radiology Literature Evaluation (1 cr.)** Evaluation of scientific and radiological literature; principles of research and scientific writing.
- G980 Advanced Surgical Endodontics (1-6 cr.)** P: G956 and G957. Principles of advanced surgical endodontics.
- G981 Principles of Restorative Dentistry (1-4 cr.)** Interdepartmental course; operative dentistry, pedodontics, fixed and removable partial prosthetics.
- G982 Clinical Field Studies (1-3 cr.)** Preliminary preparation for clinical field study including delineation of purpose, review of history, methods, personnel needed, equipment, sample size, data to be collected, study sites, etc.; review of projects with opportunity to prepare field study outline.
- G983 Dental Problems of Special Population Groups (1-3 cr.)** Health and dental problems of chronically ill, aged, handicapped, institutional patients; methods of care.
- G985 Fluoride Metabolism (2 cr.)** History, clinical studies, pharmacology, toxicology, biochemistry of fluoride compounds; current evaluations of newer methods of using fluoride compounds.
- G986 Histopathological Laboratory Techniques (1 cr.)** Preparation of soft tissue for microscopic study; special techniques with decalcified specimens; special staining procedures.
- G987 Principles of Applied Oral Medicine (1-4 cr.)** Interdepartmental course; phases of dentistry requiring an understanding of patient's general health; disciplines covered are oral diagnosis, endodontics, periodontics, radiology.
- G988 Principles of Oral Surgery (1-4 cr.)** Interdepartmental course on principles of oral surgery; disciplines covered are oral histology, oral pathology, and oral surgery.
- G989 Principles of Pediatric Dentistry (1-4 cr.)** Interdepartmental course covering dental care of children; disciplines covered are pedodontics, orthodontics, fundamentals of occlusion.
- G990 Advanced Anatomy (1-3 cr.)** Gross anatomical features of human body.
- G991 Advanced Anatomy and Physiology of Head and Neck (1-4 cr.)** Surgery oriented dissection of all of the structures of the head and neck.
- G992 Biology of the Tooth and Periodontium (1-4 cr.)** Microscopical study of tooth and periodontium; response of tissues to pathology, instrumentation, filling materials used in operative, endodontic, crown and bridge procedure; animals used to illustrate response of tooth tissue to these procedures.
- G993 Animal Experimental Procedures (1-3 cr.)** Handling of animals and observation of results; student develops an outline of exercise best suited for his particular interests.
- G994 Applications of Genetic Principles to Problems in Dentistry (2 cr.)** General principles of human genetics; importance of genetics to problems encountered in dentistry.
- G995 Biostatistics as Applied to Public Health Problems (1-4 cr.)** Collection, tabulation, elementary analyses of data, including vital statistics, treatment of rates, distribution of variates sampling variation.
- G996 Epidemiology (1-3 cr.)** Principles of epidemiology; dental caries, periodontal disease, malocclusion, dental health problems of special population groups.
- G997 Environmental Health (2 cr.)** Field trips to water and sewage treatment plants, dairies, food processing plants including vending machine facilities; basic environmental health and sanitary science; fluoridation and radiation hygiene.
- G998 Community Health Programming and Services (1-4 cr.)** Public health practices; health and human behavior; health education in public health; group purchasing plans including pre and post payment, open and closed panels, indemnity and co-insurance programs offered by profit and non-profit organizations.
- G999 Public Health Practice (1-6 cr.)** Functions, scope, and historical background of public health; organization of official and voluntary public health agencies; maternal and child health, mental health, public health, nursing hospital services, dental health.
- R900 Theoretical Mechanics (2 cr.)** Statics and strength of materials reviewed and applied to specific orthodontic problems; biophysics of tooth movement, appliances in equilibrium, energy storage in orthodontic appliances.

- R901 Cleft Palate Rehabilitation (2 cr.)** Complete management of cleft lip and/or cleft palate patients from birth to adulthood; multidisciplinary concept.
- R902 The Biology of Growth and Differentiation (2 cr.)** Biologic sequence of events whereby a single, totipotent fertilized ovum becomes, through progressive growth and differentiation, a series of highly specialized cells performing limited activities.
- R903 Roentgenographic Interpretation of the Face and Skull (3 cr.)** Extraoral roentgenography of facial bones and skull, sialography, planography, diagnosis of facial trauma.
- R904 Anesthesia Clinic and Seminar (cr. arr.)** General anesthesia as applied in the operating room for all types of surgical problems as well as for dental procedures for ambulatory outpatients.
- R905 Advanced Oral Surgery (1-3 cr.)** Major and minor advanced oral surgical procedures, treatment planning and variable approaches to similar problems; development of surgical judgment.
- R906 Advanced Oral Surgery Seminar (1-3 cr.)** Broad background for advanced oral surgery; interpretation of physical findings, special laboratory procedures and evaluations, changing concepts in antibiotic and chemotherapeutic treatment, medicolegal aspects of surgery.
- R907 Research: Oral Surgery (1-6 cr.)**
- R908 Speech Pathology—Speech Science (1-6 cr.)** Speech pathology and audiology; etiologic and rehabilitative aspects of speech, language, and hearing disorders.
- R909-R910-R911 Advanced Preventive Dentistry I-II-III (2-2-1 cr.)** Basic concepts, principles, and techniques relative to the etiology and prevention of oral diseases. Analysis of the components of the oral environment, attacking agents, defense mechanisms, and preventive measures.
- R912-R913 Clinical Preventive Dentistry I-II (2-1 cr.)** Application of preventive dentistry concepts, principles, and techniques to dental patients. Patient education and motivation.
- R914 Statistics (2 cr.)** Problems of experimental design, including statistical methods for handling measures of central tendency, variation, reliability, significance; determination of significance.
- R915 Occlusion (1-4 cr.)** This two-semester course includes a comprehensive consideration of published research in occlusion, temporomandibular joint disturbances, and muscle problems. Clinical evaluation and treatment procedures are considered.
- R916 Scientific Writing (2 cr.)** This course is designed to inform graduate students of techniques of writing and editing which will help them in their writing projects in graduate school and in their future careers.
- R917 Joint Case Management Seminar (1 cr.)** This course will present the didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental problems. Class sessions will include discussion of pertinent literature in periodontics and restorative dentistry as well as the diagnosis and treatment planning of actual clinical cases.
- R918 Research: Maxillofacial Prosthetics (cr. arr.)**
- R919-R920 Physical Diagnosis I-II (1-1 cr.)** Lectures and demonstrations of techniques in history taking and physical diagnosis. R919 is prerequisite to R920, which is a continuation of the earliest course, with onward experience. (Limited to oral surgery residents.)
- R921 Maxillofacial Prosthetics Clinic (1-6 cr.)** Introduction to the clinical management of individuals with congenital, acquired, or developmental intraoral and extraoral defects, with hospital experiences and a multidisciplinary approach.
- R922 Advanced Maxillofacial Prosthetics Clinic (1-6 cr.)** Advanced clinical practice in the treatment of individuals with congenital, acquired, or developmental intraoral and extraoral defects, with hospital experiences and a multidisciplinary approach.
- R923 Maxillofacial Prosthetics Seminar (1-2 cr.)** Review of fundamentals, multidisciplinary topics, current literature, and case presentation.
- R924 Retention and Post-Retention Analysis (2 cr.)** Problems of retention in orthodontically treated patients; appliances and procedures for prevention and control of relapses; retrospective analysis of long-term post-retention records to assess the results of different approaches to treatment.

Students who have as their objective a career in education and research are encouraged to complete a minor from the following selection of graduate courses in the School of Education. Complete description of these courses can be found in the *Bulletin of the School of Education, Graduate Division*.

C675 Supervised College Teaching (2-3 cr.)

P508¹ Practicum in Measurement (2-3 cr.)

P501 Psychology in Teaching (2-3 cr.)

R566¹ Audio-Visual Communications in Formal Education (2-3 cr.)

¹Prerequisites will be waived for dental students.

Faculty of the School of Dentistry

ADAMS, JAMES W., D.D.S. (*The Ohio State University*, 1936), Professor of Orthodontics

ADAMS, LEHMAN D., JR., D.D.S. (*Indiana University*, 1949), Assistant Professor of Oral and Maxillofacial Surgery

ADAMS, REBECCA R., A.S. (*Parkland College*, 1974), Instructor in Dental Auxiliary Education, Dental Hygiene

ALEXANDER, JILL, B.S. (*Indiana University*, 1978), Instructor in Dental Practice Administration

ALLMANN, DAVID W., Ph.D. (*Indiana University*, 1964), Associate Professor of Biochemistry (School of Medicine and School of Dentistry)

ALTENHOF, C. RICHARD, D.D.S. (*Loyola University*, 1970), Instructor in Dental Auxiliary Education (Gary)

ANGERMAN, ROBERT B., D.D.S. (*Indiana University*, 1956), Instructor in Dental Auxiliary Education (Gary)

ANSHUTZ, WADE B., D.D.S. (*Northwestern University*, 1946), Instructor in Oral Diagnosis/Oral Medicine

ARBUCKLE, GORDON RUSSELL, D.D.S. (*Indiana University*, 1967, Assistant Professor of Orthodontics

ARENS, DONALD E., D.D.S. (*Indiana University*, 1959), Associate Professor of Endodontics

AVERY, DAVID R., D.D.S. (*Indiana University*, 1966), Chairman, and Professor of Pedodontics

BACH, JOHN W., D.D.S. (*Indiana University*, 1949), Assistant Professor of Operative Dentistry

BADE, DANIEL M., D.D.S. (*Indiana University*, 1978), Instructor in Dental Auxiliary Education (Gary)

BAILEY, L. RUSH, D.D.S. (*Northwestern University*, 1934), Professor of Complete Denture

BAKER, DONALD WAYNE, D.D.S. (*Indiana University*, 1966), Assistant Professor of Pedodontics

BAKER, WILLIAM C., D.D.S. (*Indiana University*, 1952), Consultant in Oral and Maxillofacial Surgery

BALDWIN, JAMES J., D.D.S. (*Indiana University*, 1954), Associate Professor of Orthodontics

BARR, ERVINE B., D.D.S. (*Indiana University*, 1947), Associate Professor of Oral Diagnosis/Oral Medicine

BARTON, DOUGLAS H., D.D.S. (*Indiana University*, 1969) Instructor in Dental Auxiliary Education (South Bend)

BARTON, PAUL, A.M. (*University of Washington*, 1948), Professor of Community Dentistry and Secretary of the Graduate Dental Program

BATEMAN, DOUGLAS, D.D.S. (*Indiana University*, 1972), Instructor in Dental Auxiliary Education (South Bend)

BAUER, TRAVIS L., D.D.S. (*Indiana University*, 1964), Assistant Professor of Complete Denture

BAUMGARTNER, MICHAEL P., D.D.S. (*Indiana University*, 1971), Assistant Professor of Pedodontics

BECKETT, RUSSELL P., D.D.S. (*Indiana University*, 1974), Assistant Professor of Oral and Maxillofacial Surgery

BEISWANGER, BRADLEY B., D.D.S. (*Indiana University*, 1967), Associate Professor of Preventive Dentistry

BENHAM, JOSEPH G., D.D.S. (*Indiana University*, 1963), Instructor in Pedodontics

BILLINGS, RONALD J., D.D.S. (*Indiana University*, 1969), Assistant Professor of Preventive Dentistry

BIXLER, DAVID, Ph.D. (*Indiana University*, 1955), D.D.S. (1959), Chairman and Professor of Oral Facial Genetics, and Professor of Medical Genetics

BLAKE, JENNIFER, C.D.A. (*Indiana University at Fort Wayne*, 1973), Lecturer in Dental Practice Administration

BOGAN, ROBERT L., D.D.S. (*Indiana University*, 1954), Associate Dean; Coordinator of Graduate Prosthodontics Program, and Professor of Fixed and Removable Partial Prosthodontics

BOND, KENNETH E., D.D.S. (*Indiana University*, 1977), Instructor in Fixed and Removable Partial Prosthodontics

BOONE, MALCOLM E., D.D.S. (*Indiana University*, 1946), Professor and Chairman of the Graduate Complete Denture Program

BORKOWSKI, JOHN, D.D.S. (*Indiana University*, 1955), Consultant in Fixed and Removable Partial Prosthodontics

- BORMAN, WILLIAM, D.D.S. (*Indiana University, 1942*), Assistant Professor of Oral Diagnosis/Oral Medicine
- BOWEN, VICKI, C.D.A. (*University of North Carolina, 1977*), Lecturer in Dental Practice Administration
- BOWMAN, SALLY, M.S. (*Butler University, 1965*), Assistant Professor of Speech Pathology (School of Medicine and School of Dentistry)
- BOYD, DREXELL A., D.D.S. (*Indiana University, 1934*), Professor of Operative Dentistry
- BOZIC, DONALD F., D.D.S. (*Indiana University, 1967*), Assistant Professor of Pedodontics
- BRADLEY, STEVEN R., D.D.S. (*Indiana University, 1967*), Assistant Professor of Pedodontics
- BRATTON, ROBERT L., D.D.S. (*Indiana University, 1968*), Instructor in Operative Dentistry
- BRAUN, STANLEY, D.D.S. (*The Ohio State University, 1963*), Consultant in Orthodontics
- BROWN, JAMES D., D.D.S. (*Indiana University, 1973*), Assistant Professor of Pedodontics
- BROWNELL, DEBORAH S., A.S. (*Indiana University, 1978*), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)
- CAMPBELL, HELEN WOERNER, B.S. (*Butler University, 1967*), Librarian, and Associate Professor of Dental Literature (Dental Library)
- CAMPBELL, SAMUEL, D.D.S. (*Howard University, 1968*), Assistant Professor of Oral and Maxillofacial Surgery
- CAMPBELL, WILBERT G., D.D.S. (*Indiana University, 1972*), Assistant Professor of Operative Dentistry
- CARPENTER, ALVERNA K., Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)
- CARR, GUTHRIE E., D.D.S. (*Indiana University, 1954*), Assistant Professor of Pedodontics
- CARR, JACK D., D.D.S. (*Indiana University, 1939*), Associate Professor of Radiology
- CARR, JAMES B., D.D.S. (*Indiana University, 1976*), Instructor in Fixed and Removable Partial Prosthodontics
- CARR, MARJORY H., M.S. (*Butler University, 1954*), Assistant Professor of Dental Auxiliary Education and Director of the Dental Assisting Program
- CARTER, DENNIS L., D.D.S. (*Indiana University, 1972*), Instructor in Dental Auxiliary Education (South Bend)
- CHALIAN, VAROUJAN A., D.D.S. (*Ecole de Chirurgie Dentaire et de Stomatologie de Paris, France, 1955*), D.D.S. (*Indiana University, 1964*), Chairman, and Professor of Maxillofacial Prosthetics
- CHALLMAN, JOHN B., D.D.S. (*Indiana University, 1964*), Assistant Professor of Oral and Maxillofacial Surgery
- CHAMPION, CHARLES A., B.S. (*Southern Illinois University, 1970*), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
- CHILDES, GEORGE T., D.D.S. (*Indiana University, 1958*), Assistant Professor of Oral and Maxillofacial Surgery
- CHISLER, JUANITA H., C.D.A. Assistant Professor of Dental Auxiliary Education, Dental Assisting
- COBURN, CHARLES D., D.D.S. (*Indiana University, 1967*), Instructor in Dental Auxiliary Education (Gary)
- COCHRAN, MICHAEL A., D.D.S. (*University of Michigan, 1969*), Associate Professor of Operative Dentistry
- COMPTON, DUANE E., D.D.S. (*Creighton University, 1961*), Assistant Professor of Endodontics
- CONRAD, WILLIAM I., D.D.S. (*Indiana University, 1953*), Assistant Professor of Operative Dentistry
- COONS, GALE E., M.P.H. (*University of Michigan, 1954*), Co-Chairman, and Associate Professor of Community Dentistry
- COOPER, CRAIG D., D.D.S. (*Indiana University, 1973*), Instructor in Operative Dentistry
- CROSE, VIRGINIA LEE, D.D.S. (*Indiana University, 1968*), Assistant Professor of Pedodontics
- CUNNINGHAM, DONALD M., D.D.S. (*Indiana University, 1952*), Professor of Fixed and Removable Partial Prosthodontics
- CURTIS, MICHAEL R., M.H.A. (*Indiana University, 1972*), Assistant Dean and Assistant Professor of Community Dentistry
- DANCISAK, JENNIFER, C.D.A. (*Wood High School Dental Assisting, 1971*), Instructor in Dental Auxiliary Education and Supervisor of Dental Assisting (Gary)

DAVIS, JAMES R., II, D.D.S. (*Indiana University*, 1973), *Instructor in Dental Auxiliary Education (South Bend)*

DAVIS, LESLIE I., B.D.S. (*University of Witwatersrand*, 1974), *Assistant Professor of Periodontics*

DAVIS, WARREN B., D.D.S. (*Indiana University*, 1960), *Professor of Pedodontics*

DEANE, CLARENCE E., JR., D.D.S. (*Medical College of Virginia*, 1956), *Associate Professor of Oral and Maxillofacial Surgery*

DeCASTRO, ROLANDO AGUILAR, D.M.D. (*Manila Central University School of Dentistry, Philippines*, 1953), *Associate Professor of Oral Anatomy and Director of Art*

DELMAN, LLOYD, D.D.S. (*Indiana University*, 1953), *Associate Professor of Orthodontics*

DENNER, ANNE, M.S. (*Iowa State University*, 1967), *Instructor in Dental Auxiliary Education, Dental Hygiene (Evansville)*

DERRY, ROBERT H., D.D.S. (*Medical College of Virginia*, 1940), *Director of Continuing Education Program; Chairman, and Professor of Complete Denture*

DESAI, SHARAD R., D.D.S. (*Bombay University, India*, 1960) *Assistant Professor of Dental Practice Administration*

DETAMORE, ROBERT JAY, D.D.S. (*Northwestern University*, 1948), *Associate Professor of Periodontics*

DICKEY, DAVID M., D.D.S. (*The Ohio State University*, 1955), *Chairman and Associate Professor of Clinical Oral Diagnosis/Oral Medicine*

DICKEY, KEITH W., D.D.S. (*Indiana University*, 1974), *Assistant Professor of Dental Auxiliary Education (South Bend)*

DIRLAM, JAMES H., D.D.S. (*Indiana University*, 1950), *Associate Professor of Oral and Maxillofacial Surgery and Chairman of Undergraduate Oral and Maxillofacial Surgery*

DITTO, ROLAND R., D.D.S. (*Indiana University*, 1969), *Assistant Professor of Pedodontics*

DRAY, JEANNE F., M.S. (*Kansas State University*, 1976), *Assistant Professor of Dental Auxiliary Education, Dental Hygiene*

DUCH, MICHAEL J., D.D.S. (*Indiana University*, 1972), *Instructor in Dental Auxiliary Education (Fort Wayne)*

DYER, RANDALL J., *Instructor in Dental Auxiliary Education (South Bend)*

DYKEMA, ROLAND W., D.D.S. (*Indiana University*, 1947), *Chairman and Professor of Fixed and Removable Partial Prosthodontics*

EDESESS, ROBERT B., D.D.S. (*Indiana University*, 1966), *Assistant Professor of Oral and Maxillofacial Surgery*

EITNIER, SAMUEL H., D.D.S. (*Indiana University*, 1950), *Assistant Professor of Oral Diagnosis/Oral Medicine*

ELLIS, FRANK N., D.D.S. (*University of Southern California*, 1945), *Associate Professor and Director of Dental Auxiliary Education (South Bend)*

ENGLANDER, MERYL E., Ph.D. (*University of Michigan*, 1957), *Professor of Education*

EPPERSON, CHARLES R., D.D.S. (*Indiana University*, 1965), *Assistant Professor of Fixed and Removable Partial Prosthodontics*

ESMON, THOMAS, D.D.S. (*Indiana University*, 1944), *Assistant Professor of Operative Dentistry*

EVITTS, DEBRA K., C.D.A. (*Wood School of Dental Assisting*), *Lecturer in Dental Practice Administration*

EWOLDSSEN, NELS O., D.D.S. (*Indiana University*, 1978), *Instructor in Fixed and Removable Partial Prosthodontics*

FARRAR, STEVEN M., D.D.S. (*Indiana University* 1970), *Instructor in Complete Denture*

FARRELL, EDWARD W., D.D.S. (*Western Reserve University*, 1946), *Associate Professor and Director of Dental Auxiliary Education (Gary)*

FELTEN, ARNOLD E., D.D.S. (*Indiana University*, 1950), *Instructor in Oral and Maxillofacial Surgery*

FERGUSON, STUART A., D.D.S. (*Indiana University*, 1978), *Clinical Assistant in Endodontics*

FINK, DANIEL, D.D.S. (*Indiana University*, 1978), *Instructor in Dental Auxiliary Education (Evansville)*

FISHER, BEN J., D.D.S. (*Indiana University*, 1937), *Instructor in Complete Denture*

FISK, A. REBEKAH, M.S. (*Butler University*, 1958), *Assistant Professor Emeritus of Dental Hygiene*

FORGEY, JOE E., D.D.S. (*Indiana University*, 1975), *Assistant Professor of Pedodontics*

FREID, MICHAEL, D.D.S. (*Indiana University*, 1971), *Instructor in Dental Auxiliary Education (South Bend)*

- FREY, BEVERLY, C.D.A. (Wood School of Dental Assisting, 1972), Instructor in Dental Practice Administration
- FRITSCH, BARRY R., D.D.S. (Indiana University, 1977), Instructor in Operative Dentistry
- GARNER, LaFORREST D., D.D.S. (Indiana University, 1957), Chairman, and Professor of Orthodontics
- GILLESPIE, LOUIS B., B.S. (Ball State University, 1955), Lecturer in Dental Auxiliary Education (South Bend)
- GILLETTE, WILLIAM B., D.D.S. (The Ohio State University, 1957), Associate Professor of Periodontics
- GILMORE, H. WILLIAM, D.D.S. (Indiana University, 1958), Professor of Operative Dentistry
- GISH, CHARLES W., D.D.S. (Indiana University, 1949), Co-Chairman of Community Dentistry; Professor of Pedodontics, and Consultant in Public Health Dentistry
- GOLDBLATT, LAWRENCE I., D.D.S. (Georgetown University, 1968), Associate Professor of Oral Pathology
- GOODACRE, CHARLES J., D.D.S. (Loma Linda University, 1971), Associate Professor of Fixed and Removable Partial Prosthodontics
- GRADEN, DARRYL S., D.D.S. (Indiana University, 1970), Instructor in Dental Auxiliary Education (Gary)
- GRAHAM, LARRY L., D.D.S. (Indiana University, 1965), Associate Professor of Oral and Maxillofacial Surgery; Director of Wishard Memorial Hospital and Regenstrief Center Oral and Maxillofacial Surgery Program
- GREEN, WILEY, D.D.S. (Indiana University, 1972), Instructor in Operative Dentistry
- GREGOLINE, JENNIFER, B.S. (Purdue University, 1975), Instructor in Dental Auxiliary Education (Gary)
- GRUNER, JERI L., C.D.A. (Indiana University, 1966), Research Associate in Pedodontics
- GUNN, CARLA, R.D.H. (Indiana University, 1975), Instructor in Dental Auxiliary Education, Dental Hygiene (South Bend)
- HAGEDORN, LLOYD J., D.D.S. (Indiana University, 1966), Instructor in Dental Auxiliary Education (Fort Wayne)
- HALE, FLOYDE., D.D.S. (Indiana University, 1955), Assistant Professor of Complete Denture
- HALL, JOHN R., D.D.S. (Indiana University, 1969), Assistant Professor of Oral and Maxillofacial Surgery
- HANCOCK, E. BRAIDY, D.D.S. (University of Illinois, 1967), Consultant in Periodontics
- HANSEN, NILES M., JR., D.D.S. (Creighton University, 1957), Associate Professor of Periodontics
- HARRIS, DAVID J., D.D.S. (Indiana University, 1963), Instructor in Dental Auxiliary Education (South Bend)
- HASLEM, JOHN R., D.D.S. (Indiana University, 1962), Assistant Professor of Oral and Maxillofacial Surgery
- HASSEL, BONNIE W., M.A. (East Tennessee State University, 1973), Assistant Professor of Dental Auxiliary Education, and Supervisor of Dental Hygiene (South Bend)
- HASTINGS, JAMES H., D.D.S. (Indiana University, 1977), Instructor in Operative Dentistry
- HAYES, DEBORAH J., A.S. (Indiana University - Purdue University at Fort Wayne, 1976), Lecturer in Dental Practice Administration
- HAZELRIGG, CHARLES O., D.D.S. (Indiana University, 1970), Assistant Professor of Pedodontics
- HEALEY, HARRY J., D.D.S. (Indiana University, 1931), Professor Emeritus of Endodontics
- HEINE, JACQUELINE N., M.S. (Indiana University at South Bend, 1972), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)
- HENDERSON, HALA ZAWAWI, D.D.S. (Indiana University, 1970), Associate Professor of Pedodontics
- HENNON, DAVID K., D.D.S. (Indiana University, 1960), Professor of Pedodontics
- HENRY, RICHARD W., D.D.S. (Indiana University, 1960), Instructor in Dental Auxiliary Education (Evansville)
- HERBER, JAMES R., D.D.S. (Indiana University, 1977), Instructor in Dental Auxiliary Education (Fort Wayne)
- HERD, RICHARD M., D.D.S. (Indiana University, 1975), Consultant in Oral and Maxillofacial Surgery
- HERMAN, STANLEY C., D.D.S. (Indiana University, 1959), Associate Professor of Pedodontics
- HILDERBRAND, ROBERTA M., B.S. (Indiana University, 1972), Assistant Professor of Dental Hygiene

HINE, MAYNARD K., D.D.S. (*University of Illinois*, 1930), Chancellor Emeritus IUPUI, and Professor Emeritus of Periodontics

HINMAN, DEBRA J., A.S. (*Indiana University*, 1977), Instructor in Dental Auxiliary Education, Dental Hygiene

HOHLT, FREDERICK A., D.D.S. (*Indiana University*, 1934), Professor Emeritus of Operative Dentistry

HOLLAN, ELIZABETH A., B.S. (*Indiana University*, 1977), Instructor in Pedodontics

HOLLANDER, JAY A., D.D.S. (*Indiana University*, 1978), Research Associate in Complete Denture

HOLLOWAY, ROBERT L., D.D.S. (*Indiana University*, 1975), Instructor in Operative Dentistry

HOLM, STEVEN J., D.D.S. (*Loyola School of Dentistry*, 1976), Instructor in Dental Auxiliary Education (Gary)

HOOD, CHRISTY A., C.D.A. (*Indiana University*, 1978), Instructor in Dental Auxiliary Education, Dental Assisting (South Bend)

HUPPERT, TED L., D.D.S. (*Indiana University*, 1975), Instructor in Operative Dentistry

HUTTON, CHARLES E., D.D.S. (*Indiana University*, 1952), Chairman and Professor of Oral and Maxillofacial Surgery, and Director of Oral and Maxillofacial Surgery Internship-Residency Program

HUXOLL, GLORIA H., B.S. (*Indiana University*, 1974), Assistant Professor of Dental Auxiliary Education and Supervisor of Dental Hygiene (Fort Wayne)

JANESHESKI, MAUREEN A., B.S. (*Indiana University*, 1976), Assistant Professor of Dental Auxiliary Education and Supervisor of Dental Assisting (South Bend)

JANSEN, PAUL T., D.D.S. (*Indiana University*, 1978), Instructor in Dental Auxiliary Education

JINKS, JAMES C., D.D.S. (*Indiana University*, 1962), Assistant Professor of Pedodontics

JOHNS, MICHAEL R., D.D.S. (*Indiana University*, 1974), Instructor in Dental Auxiliary Education (South Bend)

JOHNS, PATRICK, D.D.S. (*Indiana University*, 1976), Instructor in Dental Auxiliary Education (Evansville)

JOHNSON, GREGORY H., D.D.S. (*Indiana University*, 1976), Assistant Professor of Pedodontics

JOHNSTON, RONALD L., D.D.S. (*Indiana University*, 1968), Instructor in Fixed and Removable Partial Prosthodontics

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KANESHIRO, KENNETH K., D.D.S. (*Marquette University*, 1956), Associate Professor of Periodontics

KASLE, MYRON J., D.D.S. (*Indiana University*, 1962), Chairman and Professor of Radiology

KATZ, SIMON, D.D.S. (*University of Buenos Aires, Argentina*, 1945), Professor of Preventive Dentistry

KATZBERG, ALAN A., Ph.D. (*University of Oklahoma*, 1956), Professor of Anatomy (School of Medicine and School of Dentistry)

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KIRCHOFF, DAVID A., D.D.S. (*Indiana University*, 1962), Assistant Professor of Endodontics

KLEIN, ARTHUR I., D.D.S. (*University of Pennsylvania*, 1947), Associate Professor of Pedodontics

- KOERBER, LEONARD G., Ed.D. (*Indiana University*, 1970), Associate Professor of Instructional Development and Director of the School of Dentistry Audiovisual Facility
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- KOHUT, ROSEMARY, B.S. (*University of Rhode Island*, 1974), Assistant Professor of Dental Auxiliary Education, and Supervisor of Dental Hygiene (Gary)
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- LANNING, GEORGE E., D.D.S. (*Indiana University*, 1975), Instructor in Operative Dentistry
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- McCULLOUGH, MARSHA A., A.S. (*Indiana University*, 1974), Instructor in Dental Auxiliary Education, Dental Hygiene
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- McDONALD, RALPH E., D.D.S. (*Indiana University*, 1944), Dean, and Professor of Pedodontics
- McDONALD, SCOTT W., D.D.S. (*Indiana University*, 1975), Instructor in Operative Dentistry
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- MANSFIELD, PAULA S., C.D.A. (*Indiana University*, 1973), Instructor in Dental Auxiliary Education, Dental Assisting (Evansville)
- MARKS, DAVID N., D.D.S. (*Indiana University*, 1975), Instructor in Complete Denture
- MARLIN, DONNELL, D.D.S. (*Indiana University*, 1956), Instructor in Oral Diagnosis/Oral Medicine
- MAROSKY, JOHN, D.D.S. (*Indiana University*, 1967), Assistant Professor of Endodontics
- MARSHALL, WILLIAM K., D.D.S. (*Indiana University*, 1967), Instructor in Radiology
- MARTZ, RITA, B.S. (*Indiana University*, 1973), Instructor in Dental Auxiliary Education
- MASON, MYRA D., M.A. (*University of Chicago*, 1970), Minority Affairs Officer

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- MIKRUT, KATHERINE, C.D.A. (*University of North Carolina*, 1968), Instructor in Dental Auxiliary Education, Dental Assisting (Gary)
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- MOFFA, MONICA, M.L.S. (*University of Michigan*, 1977), Affiliate Librarian
- MOLL, MELVIN CHARLES, D.D.S. (*Indiana University*, 1967), Assistant Professor of Oral and Maxillofacial Surgery
- MOLLENKOPF, JACK P., D.D.S. (*Indiana University*, 1961), Assistant Professor of Community Dentistry
- MONEHEN, ROSEMARY, C.D.A. (*Indiana University at South Bend*, 1975), Assistant Professor of Dental Auxiliary Education, and Supervisor of Dental Assisting (Fort Wayne)
- MOO, GREGORY C., D.D.S. (*Indiana University*, 1977), Lecturer in Dental Auxiliary Education (South Bend)
- MOON, ROBERT A., D.D.S. (*Indiana University*, 1958), Instructor in Dental Auxiliary Education (Gary)
- MOORE, B. KEITH, Ph.D. (*University of Illinois*, 1971), Associate Professor of Dental Materials
- MORDARSKI, SHEILA W., B.S. (*The Ohio State University*, 1965), Instructor in Dental Auxiliary Education, Dental Hygiene
- MORGAN, DAVID L., D.D.S. (*Indiana University*, 1964), Consultant in Pedodontics
- MORICONI, MARTHA B., A.S. (*Indiana University*, 1963), Instructor in Dental Auxiliary Education, Dental Hygiene (South Bend)
- MUHLER, JOSEPH C., D.D.S. (*Indiana University*, 1948), Ph.D. (1952), Director of the Preventive Dentistry Research Institute; Research Professor of Basic Sciences
- MULLIN, VALERIE, C.D.A. (*Indiana University*, 1975), Instructor in Dental Auxiliary Education, Dental Assisting (South Bend)
- NELSON, DONALD L., D.D.S. (*State University of New York*, 1969), Assistant Professor of Fixed and Removable Partial Prosthodontics
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- NEWBY, J. CAMERON, D.D.S. (*Indiana University*, 1966), Instructor in Dental Auxiliary Education (Fort Wayne)
- NEWTON, CARL W., D.D.S. (*Indiana University*, 1975), Assistant Professor of Endodontics
- NICEWANDER, JACK E., D.D.S. (*Indiana University*, 1977), Instructor in Operative Dentistry
- NIETEN, JERRY G., D.D.S. (*Indiana University*, 1973), Assistant Professor of Operative Dentistry
- NUNN, ARTHUR S., JR. Ph.D. (*University of Iowa*, 1960), Professor of Physiology (School of Medicine and School of Dentistry)
- OCHSTEIN, ABRAHAM, D.D.S. (*Indiana University*, 1966), Instructor in Dental Auxiliary Education (Gary)
- OLDHAM, DREW F., D.D.S. (*Indiana University*, 1963), Associate Professor of Fixed and Removable Partial Prosthodontics
- OLDSEN, EVELYN R., M.S. (*University of Iowa*, 1969), Associate Professor of Dental Auxiliary Education and Director of Dental Hygiene
- O'LEARY, TIMOTHY J., D.M.D. (*Tufts University*, 1946), Chairman, and Professor of Periodontics
- OLSON, BYRON L., Ph.D. (*Case Western Reserve University*, 1970), Associate Professor of Preventive Dentistry

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- PAIK, HEUNG Y., D.D.S. (*Indiana University*, 1965), Assistant Professor of Maxillofacial Prosthetics
- PALENIK, CHARLES J., M.S. (*Indiana University*, 1974), Instructor in Oral Microbiology
- PARK, KICHUEL K., D.D.S. (*Seoul National University*, 1962), Assistant Professor of Preventive Dentistry
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- PATTON, CORINNE A., B.S. (*Indiana University*, 1958), Instructor in Dental Auxiliary Education, Dental Hygiene (South Bend)
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- PHILLIPS, LLOYD J., D.D.S. (*Indiana University*, 1954), Assistant Professor of Periodontics
- PHILLIPS, RALPH W., D.SC. (*University of Alabama*, 1962), Associate Dean for Research and Research Professor of Dental Materials
- PLEMENS, JAMES A., A.S. (*Indiana University*, 1976), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
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- RAKE, PHILLIP C., D.D.S. (*Indiana University*, 1971), Assistant Professor of Fixed and Removable Partial Prosthodontics and Oral Anatomy
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- REININGER, HERBERT, B.A. (*Colgate University*, 1943), Assistant Professor of Dental Auxiliary Education and Supervisor of Dental Laboratory Technology (Fort Wayne)
- RHODES, JEFFREY L., D.D.S. (*Indiana University*, 1975), Instructor in Operative Dentistry
- RICHMOND, NORRIS L., D.D.S. (*Indiana University*, 1963), Associate Professor of Operative Dentistry
- RIGGS, DAVID W., D.D.S. (*Indiana University*, 1971), Instructor in Operative Dentistry
- RISCH, JOHN R., D.D.S. (*Indiana University*, 1951), Assistant Professor of Complete Denture
- ROBB, SARASUE A., A.S. (*Indiana University*, 1977), Instructor in Dental Auxiliary Education, Dental Hygiene (Gary)
- ROBERTS, J. KEITH, D.D.S. (*Indiana University*, 1962), Assistant Professor of Pedodontics
- ROBINSON, PAUL, B.S. (*Southern Illinois University*, 1976), Instructor in Dental Auxiliary Education and Supervisor of Dental Laboratory Technology (Evansville)
- ROCHE, JAMES R., D.D.S. (*Indiana University*, 1947), Assistant Dean for Faculty Development, and Professor of Pedodontics
- ROQUET, JOHN R., Instructor in Dental Auxiliary Education (Gary)
- ROSENBAUM, CHARLES H., D.D.S. (*University of Iowa*, 1961), Instructor in Dental Auxiliary Education (South Bend)
- RUMAS, EUGENE T., D.D.S. (*Indiana University*, 1961), Instructor in Dental Auxiliary Education (Gary)
- RUMBAUGH, IRMA B., D.D.S. (*Indiana University*, 1954), Instructor in Dental Auxiliary Education (Fort Wayne)
- RYAN, LARRY, D.D.S. (*Indiana University*, 1965), Assistant Professor of Dental Auxiliary Education and Assistant Director, Dental Practice Administration

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SCHINBECKLER, GARY A., D.D.S. (*Indiana University*, 1972), Instructor in Oral and Maxillofacial Surgery

SCHLENSKER, CHRISTINE, A.S. (*Indiana State University*, 1978), Instructor in Dental Auxiliary Education, Dental Assisting (Evansville)

SCHMEDTJE, JOHN F., Ph.D. (*Rutgers, The State University*, 1951), Associate Professor of Anatomy (School of Medicine and School of Dentistry)

SCHMIDT, K. DOUGLAS, D.D.S. (*Indiana University*, 1975), Assistant Professor of Pedodontics

SCHMIDT, MARVIN G., D.D.S. (*Indiana University*, 1960), Assistant Professor of Operative Dentistry

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SCHNELL, RICHARD J., D.D.S. (*St. Louis University*, 1946), Associate Professor of Dental Materials

SCHULTZ, WILLIAM F., D.D.S. (*Indiana University*, 1962), Assistant Professor of Oral and Maxillofacial Surgery

SEXTON, ROBERT, D.D.S. (*Indiana University*, 1972), Assistant Professor of Oral and Maxillofacial Surgery

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SHAFFER, HAROLD A., M.L.S. (*Indiana University*, 1972), Associate Librarian

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SHANKS, JAMES C., JR., Ph.D. (*Northwestern University*, 1957), Clinical Director of Speech Pathology Services and Professor of Speech Pathology, Otorhinolaryngology, and Bronchoesophagology (School of Medicine); Professor of Orthodontics

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STOKES, ROBERT E., D.D.S. (*Indiana University*, 1972), Instructor in Operative Dentistry

STONER, MORRIS M., D.D.S. (*Indiana University*, 1942), Professor of Orthodontics

STOOKEY, GEORGE K., Ph.D. (*Indiana University*, 1971), Assistant Director of the Oral Health Research Institute; Professor of Preventive Dentistry

STROPES, L. MICHAEL, D.D.S. (*Washington University*, 1971), Assistant Professor of Fixed and Removable Partial Prosthodontics

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SUSOTT, KENTON A., D.D.S. (*Indiana University*, 1971), Assistant Professor of Orthodontics

SWARTZ, MARJORIE L., M.S. (*Indiana University*, 1959), Professor of Dental Materials

SWENSON, HENRY M., D.D.S. (*University of Illinois*, 1942), Professor of Periodontics

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Indiana University

Founded in 1820, only four years after Indiana achieved statehood, Indiana University is one of the oldest state universities west of the Alleghenies. It has consistently met its original commitment of providing a statewide system of public higher education. Among the first American universities to admit women on an equal standing with men, I.U. also provides its services without regard to race, creed, or color.

Indiana University is ranked tenth largest in the nation with an enrollment totaling nearly 70,000 on its eight state campuses and including students from all fifty states and many foreign countries. With a faculty exceeding 3,200, its more than 100 departments offer some 5,000 courses of instruction.

The major divisions of Indiana University are the Bloomington campus (the largest and oldest), Indiana University—Purdue University at Indianapolis (IUPUI), and six other campuses strategically located at population centers over the state.

The Bloomington Campus

College of Arts and Sciences (Include the School of Journalism)

School of Business

School of Continuing Studies

School of Education

School of Health, Physical Education, and Recreation

School of Law—Bloomington

School of Music

School of Optometry

School of Public and Environmental Affairs

Graduate School

Graduate Library School

University (Freshman) Division

Indiana University - Purdue University at Indianapolis

Indiana University Medical Center

Indiana University School of Medicine

Indiana University School of Medicine—Division of Allied Health Sciences

Indiana University School of Dentistry

Indiana University School of Nursing

Indiana University School of Law—Indianapolis

Indiana University School of Social Work

Indiana University School of Business

Indiana University School of Education

Indiana University School of Public and Environmental Affairs

Indiana University School of Continuing Studies—IUPUI Division

Herron School of Art

IUPUI School of Liberal Arts

IUPUI School of Science

IUPUI School of Engineering and Technology

IUPUI School of Physical Education

IUPUI University Division

The Regional Campuses

Indiana University East (Richmond)

Indiana University at Kokomo

Indiana University Northwest (Gary)

Indiana University at South Bend

Indiana University Southeast (New Albany)

Indiana University - Purdue University at Fort Wayne (IPFW)

These campuses grant degrees in the arts and sciences, education, business, medical technology, and public and environmental affairs. Through the Division of General and Technical Studies, associate certificates are awarded in a number of paraprofessional areas.

Additional University facilities include Bradford Woods, the biological station at Crooked Lake, the Geologic Field Station in Montana, the Lake Monroe biology site, the Goethe Link Observatory and Morgan-Monroe Observatory of Goethe Link, the Angel Mounds historical site near Evansville, and Camp Brosius at Elkhart Lake, Wisconsin.

The Indiana University library system contains more than 11,000,000 items. Included in this system are: the University Library; the Lilly Library, with its valuable collections of rare books and manuscripts; libraries at each of the regional campuses; school and departmental libraries; and collections at housing units in the Halls of Residence.

Nondiscrimination Policy

Indiana University complies with all Federal regulations prohibiting discrimination on the basis of race, religion, national origin, sex, age, or handicap in matters pertaining to admission, employment, and access to programs. The University has an Affirmative Action Program and an Affirmative Action Office on each campus to ensure compliance with these regulations. Persons with questions regarding discrimination should contact the Affirmative Action Office on their campus.

Transfer to Other Indiana University Campuses.

Each year many Indiana University students transfer from one campus of the university to another to continue their studies toward a degree. These transfers are often necessitated by financial difficulties, illness, or other personal problems, but just as often they are a matter of personal preference. Few of the other multi-campus universities are organized to facilitate this volume of student migration. Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of course work on the eight campuses.

Students who wish to transfer to another campus should follow these procedures:

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.
2. Contact the department chairperson (or the designated adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers in fine arts must submit portfolios of their work. Music transfer students must be auditioned.
3. As the date of transfer approaches, check with your campus Registrar to get information on Registration dates and procedures on the other campus. If there is a pre-registration or pre-enrollment procedure at the other campus, you should plan to take advantage of it. Contact the Registrar of the other campus to determine whether you can fulfill any of these responsibilities by phone. Your Registrar has a direct telephone line to all other Registrars.
4. When you arrive on the new campus, contact your assigned academic adviser or department chairperson as soon as possible. Discuss your academic progress to date and the additional course work required for your program.

Confidentiality of Student Records

Indiana University in compliance with the General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act, provides that all student records are confidential and available only to that student, and the parents, if the student is under twenty-one and dependent as defined by IRS standards. The student may review his record upon request and may ask for deletions or corrections of the record in a hearing process described in detail in the *Statement of Student Rights and Responsibilities*. References, recommendations, and other similar documents may carry a voluntary waiver relinquishing the student's rights to review this specific material. The student may also release the record to others by signing a written release available in the offices which maintain records. Further details regarding the provisions of the "Privacy Act" and a list of offices where student records are kept may be found in the *Statement of Student Rights and Responsibilities* distributed at Fall registration or available in the Office of the Dean of Students.

Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These Rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by these Rules, if he or she attended the University before that date and while he or she remains continuously enrolled in the University.

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.
 - (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c), such person must be a resident for twelve (12) months in order to qualify as a resident student for fee purposes.
 - (b) Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of higher education, shall not be counted in determining the twelve (12) month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.
2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least twelve (12) consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.
 - (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.
 - (b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.
 - (c) Such person may be classified as a resident student without meeting the twelve (12) month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."
 - (d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana,

such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.

- (e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the University until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.
3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.
 4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the twelve (12) months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of twelve (12) months from the Residence Qualifying Date, i.e., the date upon which the student commenced the twelve (12) month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.
 - (a) The residence of a student's parents or guardians.
 - (b) The situs of the source of the student's income.
 - (c) To whom a student pays his or her taxes, including property taxes.
 - (d) The state in which a student's automobile is registered.
 - (e) The state issuing the student's driver's license.
 - (f) Where the student is registered to vote.
 - (g) The marriage of the student to a resident of Indiana.
 - (h) Ownership of property in Indiana and outside of Indiana.
 - (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
 - (j) The place of the student's summer employment, attendance at summer school, or vacation.
 - (k) The student's future plans including committed place of future employment or future studies.
 - (l) Admission to a licensed profession in Indiana.
 - (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
 - (n) All present and intended future connections or contacts outside of Indiana.
 - (o) The facts and documents pertaining to the person's past and existing status as a student.
 - (p) Parents' tax returns and other information, particularly when emancipation is claimed.
 5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
 6. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
 7. A Standing Committee on Residence shall be appointed by the President of the University and shall include two (2) students from among such as may be nominated by the student body presidents of one or more of the campuses of the University. If fewer than four are nominated, the President may appoint from among students not nominated.
 8. A student who is not satisfied by the determination of the Registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the Registrar's determination which Committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The Committee shall report its

determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the Registrar shall be final and binding.

9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these Rules. The decision of the Committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the University, as well as to such other punishment which may be provided for by law.
11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see Rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.
13. If any provision of these Rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these Rules which can be given effect without the invalid provision or application, and to this end the provisions of these Rules are severable.

FOR FURTHER INFORMATION

Requests for application forms or information on any of the programs in dental education should be directed to the appropriate address below:

Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, Indiana 46202

The offices are open 9 a.m. to 5 p.m., Monday through Friday, for those who desire to call or visit.

Information on Dental Auxiliary Education programs may be obtained from the following:

Indianapolis

Director—Records and Admissions
or

Director—Dental Assisting
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, Indiana 46202

Gary

Supervisor—Dental Hygiene
or

Supervisor—Dental Assisting
Indiana University Northwest
3223 Broadway
Gary, Indiana 46408

Fort Wayne

Supervisor—Dental Hygiene
or

Supervisor—Dental Assisting
or
Supervisor—Dental Laboratory Technology
Indiana University - Purdue University at Fort Wayne
2101 Coliseum Boulevard East
Fort Wayne, Indiana 46805

South Bend

Supervisor—Dental Hygiene
or

Supervisor—Dental Assisting
Indiana University at South Bend
1825 Northside Boulevard
South Bend, Indiana 46615

Evansville

Supervisor—Dental Hygiene
or

Supervisor—Dental Assisting
or
Supervisor—Dental Laboratory Technology
Indiana State University at Evansville
8600 University Boulevard
Evansville, Indiana 47712

Graduate Dentistry

S. Miles Standish, Associate Dean for Graduate and Postgraduate Education
Graduate Dental Program
1121 West Michigan Street
Indianapolis, Indiana 46202