

INDIANA UNIVERSITY BULLETIN 1993-1995

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DENTISTRY

Indianapolis Campus

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Indiana University Bulletin 1993–1995

School of Dentistry

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Calendar

School of Dentistry, Medical Center Campus

Summer Session 1993 (Tentative)

Summer Session begins, 8 a.m.	May 10, M
Memorial Day (observance)— School closed	May 31, M
Independence Day (observance)— School closed	July 5, M
Summer Session ends, 5 p.m.	Aug. 20, F

First Semester (Tentative)

Classes begin for all students	Aug. 23, M
Labor Day Holiday	Sept. 6, M
Thanksgiving Recess begins, 5 p.m.— Clinics closed	Nov. 24, W
Thanksgiving Recess ends, 8 a.m.— Clinics open	Nov. 29, M
Final examinations begin	Dec. 13, M
Final examinations end	Dec. 17, F

Second Semester (Tentative)

Classes begin for all students	Jan. 10, M
Spring recess begins for all students, 5 p.m.	March 11, F
Spring recess ends for all students, 8 a.m.	March 21, M
Final examinations begin	May 2, M
Final examinations end	May 6, F
Commencement	May 15, S

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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 on the campus of Indiana University–Purdue University Indianapolis (IUPUI) and is an integral part of the University Medical Center. Men and women who have graduated with IU's Doctor of Dental Surgery (D.D.S.) and Master of Science in Dentistry (M.S.D.) are currently practicing dentistry and related fields in nearly all of the fifty states and most countries of the world. Students may also earn the Ph.D. or the M.S. in dentistry and related science fields through IU's University Graduate School.

The Dental Auxiliary Education Program offers undergraduate dental programs in dental support fields at the Indianapolis, Fort Wayne, Gary, and South Bend campuses of Indiana University. A one-year program for dental assistants and a three-year associate degree program for dental hygienists are offered at Indianapolis, Fort Wayne, Gary, and South Bend. A four-year degree program for dental hygienists is offered at Indianapolis and Fort Wayne. And a two-year associate degree program in dental laboratory technology is offered at Fort Wayne only. Students interested in undergraduate programs should check with a counselor on the campus they will be attending for specific requirements, which may vary. In addition, under the D.D.S. program at the School of Dentistry, it is possible to earn a B.A. degree in cooperation with the Indiana University College of Arts and Sciences. Other universities in Indiana also offer a combined degree program. In all instances, the baccalaureate degree is awarded by the undergraduate school attended, not by the IU School of Dentistry.

Additional information concerning any of these programs may be obtained by writing to the appropriate address listed on the last page of this bulletin.

This bulletin is intended to describe the opportunities available at the IU School of Dentistry and to outline the requirements for admission and completion of its programs.

Nondiscrimination Policy

Indiana University is committed to equal opportunity for all persons and provides its services without regard to gender, age, race, religion, ethnic origin, sexual orientation, veteran status, or handicap. The university director of affirmative action is responsible for carrying out the affirmative action program for units in central administration. In addition, there is an affirmative action officer on each campus who develops and administers the program there.

Dental Library

The primary mission of the Indiana University School of Dentistry library is to provide materials and services to support the teaching, research, and patient care activities of faculty, staff, and students at this institution. In addition, the library has an obligation to provide information to dental alumni, the citizens of Indiana, and dental health professionals around the world.

The library has an outstanding collection of books, journals, and audiovisual materials from all areas of dentistry, as well as in basic sciences, higher education, computers, and selected medical specialties. It also has a comprehensive collection of juvenile books on dentistry, as well as books and pamphlets on dental care for the public.

As of July 1991, the library retained more than 27,000 bound journal volumes and almost 26,000 books. It currently receives 577 journal subscriptions.

In order to supplement the information resources of the dental school, the library maintains cooperative agreements with many other libraries, such as those on the IUPUI campus, selected dental schools, and state institutions. IU's dental library belongs to the Central Indiana Health Science Libraries Consortium, Central Indiana Area Library Services Authority (CIALSA), Indiana Cooperative Library Service Authority (INCOLSA), and the Online Computer Library Center (OCLC).

The library is one of the largest dental libraries in the United States. The dental school has been very supportive of the library since its inception in 1881. It has annually received a budget to cover the resources and services required for academic programs and research at the school.

As the learning resources center of the dental school, the library houses a wide variety of audiovisual equipment, as well as slides, tapes, and material in other media formats. The library recently has added a program to support computer literacy, and for computer education and training, the library has a small microcomputer laboratory with a large collection of software for such functions as word processing and database management. Skeletal and anatomical models are also available.

Dental Clinics

Clinical facilities are excellent, and patients are drawn from a population area of some one million people. The great variety of cases treated provides each student with abundant opportunity to perfect techniques.

The school also maintains dental clinics in Riley and University hospitals and the Regenstrief Center, all at the Medical Center on the IUPUI campus. Students also attend clinics at 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 the summer months. Except for students on probation, attendance in the summer 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 summers following the first and second years.

Living Facilities

Single and married students from all Indianapolis-based IU schools and divisions are eligible to file housing applications for accommodations located on the IUPUI campus. Efficiency and one-bedroom apartments, unfurnished and furnished, are available. Applications should be filed as early as possible, since there is always a waiting list.

Inquiries concerning university housing and requests for applications should be addressed to the Associate Director of Housing, Indiana University Medical Center, Ball Residence, 1226 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 for rental listings.

Student Health Service

Health insurance coverage is mandatory for all students at the School of Dentistry. Enrollment in the Indiana University dental student health insurance program is required for students who are not covered by another health insurance program. Terms of the university's program include optional coverage for spouses and unmarried dependent children.

The Student Health Service provides outpatient care on a fee-for-service basis to all full-time students at Indiana University-Purdue University Indianapolis. Emergency outpatient care is provided to students at no charge in the event of an injury occurring during performance of a training-related task within the dental school or at an associated facility. Outpatient care is provided by the Student Health Service during weekdays and by Wishard Memorial Hospital at night and on weekends.

Indiana University students who pursue studies in health-care fields are required to be immunized for protection against a number of infectious diseases, and most of these immunizations must be completed before the student matriculates. Details pertaining to specific immunization requirements are sent by the School of Dentistry to all incoming students.

Tuition 1992-93

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

	Indiana Resident	Nonresident
Dentistry—Predoctoral ¹	\$6,894.00 per year	\$14,300.00 per year
Dentistry—Postdoctoral ^{1,2}	107.85 per credit hour	311.05 per credit hour
Dental Hygiene—1st and 2nd year	80.50 per credit hour	242.60 per credit hour
Dental Assisting	80.50 per credit hour	242.60 per credit hour
Summer Session		
Undergraduate	80.50 per credit hour	242.60 per credit hour
Graduate	107.85 per credit hour	311.05 per credit hour
Regional Campuses		
Undergraduate	68.95 per credit hour	175.45 per credit hour
IU Admission Application ³	25.00	25.00

Additional Expenses⁴

	First Year	Second Year	Third Year	Fourth Year
Dental Textbooks	\$ 900	\$ 800	\$ 650	—
Dental Instruments—Undergraduate ⁵	3,925	3,980	1,460	\$1,300
Dental Hygiene Textbooks	715	400	—	—
Dental Hygiene Instruments and Uniforms	1,040	640	—	—
Dental Assisting Textbooks	460	—	—	—
Dental Assisting Instruments and Uniforms	550	—	—	—

Financial Assistance

Financial assistance may be obtained for all educational programs on the basis of need through the IUPUI Office of Student Financial Aid, Cavanaugh Hall. Loan programs are also available through the Indiana Dental Association and other lending institutions.

Dental Associations and Societies

The local chapter of the American Student Dental Association (ASDA) is fully recognized by the American Dental Association (ADA), and membership is open to all students in the School of Dentistry. Associate membership is also available to pre dental students. The ASDA's function 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. Life insurance and other benefits are available to members of the American Student Dental Association.

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

The national dental honor society, Omicron Kappa Upsilon, is represented by the component chapter of Theta Theta. Candidates are nominated from the upper one-fifth of each graduating class, with faculty voting into membership 12 percent of the class. The key, which is symbolic of the society, is awarded to each newly elected member.

The national dental hygiene honor society, Sigma Phi Alpha, is represented by the component Theta chapter. Candidates are nominated from the upper one-fifth of each graduating class, with faculty voting into membership 10 percent of the class. The key, which is symbolic of the society, is awarded to each newly elected member.

¹An advance payment of \$500 is required after a student has been accepted. This advance payment is nonrefundable, but it is applicable toward tuition fees.

²Beginning with the 1992-93 academic year and thereafter, postdoctoral fees are the same as predoctoral fees.

³This fee is paid only once, is nonrefundable, 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 any IU campus) will be required to pay this fee. A check or money order must be sent in a special envelope provided with the application just for this purpose. The foreign admission application fee is \$50 (U.S. dollars in check or money order).

⁴The additional expenses listed here are approximate figures.

⁵This includes purchase and rental costs.

Doctor of Dental Surgery (D.D.S.) Program

Admission Requirements

Predental Counseling Students may be admitted to the School of Dentistry upon completion of 90 semester hours (135 quarter hours) of college credit.

Students who want to discuss their academic programs should arrange appointments with predental advisers on their own campus. Interested students may also write or call the School of Dentistry's Office of Records and Admissions in Indianapolis (see last page of this bulletin).

Application Procedure Students matriculate in dental school each August. Candidates should make formal application approximately a year before they wish to be admitted to the School of Dentistry. Application deadline is February 1.

American Association of Dental Schools Application Service (AADSAS) request cards can be obtained from the School of Dentistry's Office of Records and Admissions. Applicants will be requested to submit official transcripts from each college attended; unofficial transcripts will be accepted from applicants having attended any Indiana University campus. There is a \$25 graduate application fee for all applicants who have not previously attended Indiana University.

Applicants will also be required to take the Dental Admission Test. This test is usually given in October and April of each year. Applicants should take the Dental Admission 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 Office of Records and Admissions in the School of Dentistry.

Details concerning this test may be obtained by contacting the School of Dentistry (see last page of this bulletin) or by writing the American Dental Association, 211 East Chicago Avenue, Chicago, Illinois 60611.

All qualified applicants will be invited to the school for a personal interview.

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. Applications from all underrepresented groups are encouraged. Selections are made on an individual basis upon appraisal of the applicant's established record and potential for development. Questions regarding minority admissions may be directed to the Office of Minority Student Services (see School of Dentistry address on the last page of this bulletin).

Admission to Advanced Standing Graduates of foreign dental schools may be admitted after successfully completing Part I and Part II of the National Board Examination. Their course of study requires a minimum of three years. Details are available through the School of Dentistry's Office of Records and Admissions.

Baccalaureate/Doctoral Combined Degree Program Students admitted to the School of Dentistry after having completed 90 credit hours may apply credit hours earned in their first year in dentistry as electives and at the end of this year earn a bachelor's degree from their undergraduate institution. The combined degree program is offered at many undergraduate institutions across the nation. Students who are interested in this type of program should consult their predental adviser.

Predental Requirements Most students accepted by the Indiana University School of Dentistry have attained a baccalaureate degree prior to enrollment. The predental collegiate training may be taken at any accredited college or university in the United States. Required courses cannot be taken on a pass/fail basis. Special credit for required courses may be accepted if all portions of the course work (i.e., lecture, laboratory) have been properly evaluated. 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 include laboratories. It is advisable to include extra work in the areas of biology and chemistry.

It is recommended that students complete the general chemistry, organic chemistry, and biology requirements in the first two years because there are questions over these areas on the Dental Admission Test, which is usually taken in the junior year. Students are then advised to take physics in the third year.

Applicants should have a minimum of 2.5 (on a 4.0 scale) overall grade point average and a 2.5 science grade point average. Dental Admission Test scores should be average or above.

For admission to the School of Dentistry, the applicant must have earned a minimum of 90 semester (or 135 quarter) hours by the time of matriculation. The following predental requirements must be met in order to qualify for admission:

Two semesters or three quarters (minimum of 8 semester hours/12 quarter hours) of each of the following:

- Biology or zoology, with laboratory
- Inorganic chemistry, with laboratory
- General physics, with laboratory

One semester or two quarters (minimum of 4 semester hours/6 quarter hours) of organic chemistry, with laboratory

One semester or one quarter (minimum of 2 semester hours/3 quarter hours) of each of the following:

- Introductory psychology
- English composition
- Interpersonal communication (or public speaking, if interpersonal communication is not available)

Courses in genetics, solid art, business administration or personal finance, histology, biochemistry, medical terminology, human anatomy, and human physiology are strongly recommended but not required.

Academic Information

Withdrawals The faculty reserves the right to request the withdrawal of students whose conduct, health, or academic performance would appear to render them unfit for the continuation of a dental education. Voluntary withdrawals require the approval of the dean of the School of Dentistry. 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, classroom work, and clinical performance. 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 faculty members at their discretion.

Incompletes A student who misses a final examination and who has had a passing grade up to that time is given a temporary grade of I (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 the instructor has reason to believe the absence was beyond the student's control; if not, the instructor shall record a grade of F. A grade of I 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 I may be removed if the student completes the work within the time limit or if the dean of the School of Dentistry authorizes the change of the I to W (withdrawal from course). Students may not reenroll in a course in which they have a grade of I.

Counseling Students are invited and encouraged to call upon the dean, associate and assistant deans, 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 Students must attend the courses in which they are enrolled. Discipline and responsibility are fundamental to the practice of dentistry. A policy requiring attendance ensures that each student will obtain maximum exposure to the lectures and the clinical and laboratory

experiences available in the curriculum. Students are expected to take advantage of each opportunity to learn as a demonstration of their responsibility to their patients and their commitment to the highest professional standards.

Individual departments establish attendance requirements for their classes and clinics and acquaint the students with those requirements through course outlines and statements of objectives. Mechanisms are provided for taking class attendance, and absenteeism is reflected in semester grades and clinic privileges. Repeated abuse of attendance policies is taken into consideration by the semester promotion committees.

A register is maintained in which all students are required to list their clinical appointments. Students are expected to be prompt for all patient appointments. If cancellation or delay of an appointment is unavoidable, the student notifies the patient or the assigned special clinic.

Probation

Criteria for probationary status:

1. Failure of any course.
2. A semester grade point average below 2.0.
3. Semester total of 30 percent or more of all enrolled credit hours graded as D.
4. 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 student will be suspended who is found guilty of unacceptable academic and/or professional behavior and/or ethics.

Dismissal Academic dismissal will be considered by the dental school faculty council upon a recommendation from a promotion committee. Students to be considered for dismissal will be granted the opportunity to appear personally before the appropriate promotions committee. This constitutes the appeal process for academic 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:

1. Probationary status for a total of three semesters and a cumulative grade point average below 2.0.
2. A grade of F in a combined total of 50 percent or more of the semester credit hours in which the student is enrolled.
3. A second suspension.
4. A lack of acceptable professional behavior (e.g., non-attendance to clinical duties or neglect of attention or responsibility toward assigned patients).
5. A lack of progress toward the degree requirements in the judgment of the faculty.

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

Certification for Graduation

1. 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. Transfer dental students and dental students with advanced standing may be given credit for equivalent enrollment in other schools.
2. A dental student must have achieved a minimum of 2.0 overall grade point average.

Leave of Absence Policy

1. No student may be granted a leave of absence solely because of poor academic performance.
2. All student leaves, as well as the conditions for reinstatement following such leaves, must be approved by the dean of the dental school (or the dean's designee).
3. Written certification shall be required of the appropriate person or agency confirming the need for a leave of absence and for the date concluding a leave of absence.

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

D.D.S. Curriculum

The following chart outlines the four-year curriculum for the Doctor of Dental Surgery (D.D.S.).

The first three years of the dental curriculum are referred to as the core curriculum, which consists of courses in the basic sciences, preclinical sciences, and dental laboratory technic courses. In addition, clinical experiences commensurate with the level of training are increased each year.

The educational program is outlined below. *(All classes and schedules are subject to change without notice.)*

First Year—First (Fall) Semester (Aug.–Dec.)

Course Number	Course Title	Credit Hours
D501	Introduction to Clinical Dentistry	1.0
	Comprehensive Care Clinic	
	Behavioral Management Lectures (D503)	
	Oral Diagnosis Lecture (Entire Class)	
	Oral Diagnosis Clinic	Students are Assigned
	Riley Dental Clinic Orientation	
	Riley Dental Clinic (½ class)	
	Pediatric Dentistry Clinic	
	Plaque Clinics	
	Dental Examination	
D504	History of Dentistry and Ethics Lecture	1.0
D505	Biochemistry for Dental Students Lecture	4.0
D507	Oral Biology Lecture	2.0
D509	Tooth Morphology Lecture	1.0
D510	Tooth Morphology Laboratory	1.5
D513	Histology Lecture and Laboratory	4.0
D515	Operative Dentistry Lecture	1.5
D516	Operative Dentistry Laboratory	5.0
D552	Periodontics Lecture	1.0
D570	Craniofacial Growth and Development Lecture	1.0
Totals:		23.0

First Year—Second (Spring) Semester (Jan.–May)

Course Number	Course Title	Credit Hours
D502	Introduction to Clinical Dentistry	.5
	Comprehensive Care Clinic	
	Riley Dental Clinic (½ class)	
	Oral Diagnosis Clinic	Students are Assigned
	Periodontics Laboratory, Clinic, and Practical (D553)	
	Clinical Activities Lecture	
D503	Practice Administration I Lecture (6 hrs. scheduled in D501)	1.0
F509	Human Physiology Lecture	5.0
D511	Human Anatomy Lecture and Laboratory	7.5
D517	Operative Dentistry Lecture	1.0
D518	Operative Dentistry Laboratory	3.0
D519	Radiology Lecture	1.0
D520	Occlusion Lecture	1.0
D521	Occlusion Laboratory	1.0
D553	Periodontics Lecture, Laboratory, and Clinic (6 hours clinic scheduled in D502)	2.0
D571	Principles of Orthodontics Lecture	1.0
Totals:		24.0

Students receive letter grades in each of the above-listed courses except D501 and D502. Satisfactory/failing (S/F) grades are given for these two courses.

Second Year—First (Fall) Semester (Aug.–Dec.)

<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
D603	Clinic	1.5
	Operative Dentistry Clinic	
	Periodontics Clinic	
	Graduate Periodontics Clinic	
	Comprehensive Care Clinic	
	Radiology Clinic (D629)	
	Oral Diagnosis Clinic	
C607	Pathology for Dental Students	5.0
D607	Periodontics Lecture	1.0
D608	Oral Histology and Pathology Lecture	2.0
D612	Dental Materials Lecture	3.0
D613	Fixed Partial Prosthodontics Lecture	2.0
D614	Fixed Partial Prosthodontics Laboratory	3.0
D629	Oral Diagnosis Lecture	1.0
D636	Introduction to Local Anesthesia Lecture and Technique (taken in summer)	1.0
J650	Microbiology for Dental Students Lecture and Laboratory	3.5
D670	Orthodontics Diagnosis and Treatment Planning Lecture	1.0
Totals:		24.0

Second Year—Second (Spring) Semester (Jan.–May)

<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
D604	Clinic	1.5
	Operative Dentistry Clinic	
	Periodontics Clinic	
	Graduate Periodontics Clinic	
	Comprehensive Care Clinic	
	Oral Diagnosis Clinic	
D609	Oral Histology and Pathology Lecture	3.0
D610	Oral Histology and Pathology Clinical Correlation Conference	1.0
D615	Fixed Partial Prosthodontics Lecture	2.0
D616	Fixed Partial Prosthodontics Laboratory	3.0
D617	Endodontics Lecture	1.0
D618	Endodontics Laboratory	1.5
D619	Removable Partial Prosthodontics Lecture	2.0
D620	Removable Partial Prosthodontics Laboratory	2.0
D630	Radiology Clinic	1.0
D632	Oral Surgery Orientation and Clinical Seminar	.5
D635	Complete Denture Lecture and Laboratory	2.5
D671	Introduction to Clinical Orthodontics Laboratory	1.5
Totals:		22.5

Students receive letter grades in each of the above-listed courses except D603, D604, and D632. Satisfactory/failing (S/F) grades are given in these three courses. Classes are scheduled for fifteen weeks each semester for the first two years (600 clock hours). The sixteenth week is used for final examinations.

Third Year—First (Fall) Semester (Aug.–Dec.)

Course Number	Course Title	Credit Hours
D760	Complete Denture Lecture, Laboratory, and Clinic	2.5
The above course is completed during the summer session following the second year.		
D703	Public Health Lecture	1.0
D713	Fixed Partial Prosthodontics Clinic	.5
D723	Operative Dentistry Lecture	1.0
D724	Operative Dentistry Clinic	2.5
	Students appoint their assigned patients.	
D729	Radiographic Interpretation Lecture	1.5
D733	Oral Surgery Lecture	1.0
D734	Oral Surgery Clinic (Dental School and Regenstrief)	.5
	Students are assigned.	
D753	Periodontics Lecture	1.0
D754	Periodontics Clinic	1.5
	Students appoint their assigned patients.	
D762	Pediatric Dentistry Lecture	1.5
D763	Complete Denture Lecture	1.0
D764	Complete Denture Clinic	.5
	Students appoint their assigned patients.	
	Students are assigned.	
D791	Partial Prosthodontics Lecture and Seminar	1.0
D794	Pharmacology Lecture	2.0
Other Clinic Assignments:		
	Riley Hospital Dental Clinic (½ of class)	
	Prosthodontic-Diagnostic Chair	
Totals:		19.0

Third Year—Second (Spring) Semester (Jan.–May)

Course Number	Course Title	Credit Hours
D702	Practice Administration II Lecture	1.0
D705	Therapeutics and Dental Pharmacology Lecture	1.0
D706	Anxiety and Pain Control	1.0
D707	Geriatric Dentistry Lecture	1.0
D718	Fixed Partial Prosthodontics Clinic	1.0
	Students appoint their assigned patients.	
D725	Operative Dentistry Lecture	1.0
D726	Operative Dentistry Clinic	2.5
	Students appoint their assigned patients.	
D728	Radiology Clinic	1.0
D731	Oral Medicine Lecture	1.0
D732	Diagnosis and Treatment Planning Clinic	1.5
D735	Oral Surgery Lecture	1.0
D736	Oral Surgery Clinic	.5
	Students are assigned.	
D756	Periodontics Clinic	1.5
	Students appoint their assigned patients.	
D765	Complete Denture Clinic	1.0
	Students appoint their assigned patients.	
	Students are assigned.	
D766	Pediatric Dentistry Lecture	1.5
D770	Predocloral Orthodontics Clinical Experience	1.0
D780	Endodontics Clinic	1.0
	Students appoint their assigned patients.	
D781	Internal Medicine Lecture	1.0
D783	Clinical Genetics	.5

Other clinic assignments:

Pediatric Dentistry Clinic ($\frac{1}{3}$ of class in summer session; $\frac{1}{3}$ in fall semester;
 $\frac{1}{3}$ in spring semester)

Riley Hospital Dental Clinic ($\frac{1}{2}$ of class)

Prosthodontic-Diagnostic Chair

D799 Diagnosis and Management of Temporomandibular Disorders 1.5

Totals: 22.5

Students receive letter grades in each of the above-listed courses.

Classes are scheduled for fifteen weeks each semester during the third year. The sixteenth week is used for final examinations. Any third-year student who completes all clinical requirements for graduation by the end of that summer session may apply, with the consent and support of the department chair, for admission to the Division of Graduate Education during the fourth year.

Fourth Year—First (Fall) Semester (Aug.–Dec.)

Course Number	Course Title	Credit Hours
D802	Jurisprudence Lecture	1.0
D818	Fixed Partial Prosthodontics Clinic	2.0
D826	Current Concepts Lecture	2.0
D829	Operative Dentistry Clinic	2.5
D837	Cardiopulmonary Resuscitation Review and Laboratory	1.0
	This course is completed during the 3 summer sessions.	
D840	Diagnostic Sciences Clinic	1.0
D853	Oral and Maxillofacial Surgery Clinic	.5
D854	Periodontics Clinic	1.0
D861	Pediatric Dentistry Technic	.5
D867	Pediatric Dentistry Clinic	2.0
	Students are assigned:	
	$\frac{1}{3}$ class in third year, second semester;	
	$\frac{1}{3}$ class in summer session following the third year;	
	$\frac{1}{3}$ class in fourth year, first semester.	
D868	Complete Denture Clinic	1.0
D876	Intramural Program Electives	1.0
D880	Endodontics Clinic	.5
	Additional elective courses are available.	
Totals:		16.0

Fourth Year—Second (Spring) Semester (Jan.–May)

Course Number	Course Title	Credit Hours
D827	Current Concepts Lecture	2.0
D828	Fixed Partial Prosthodontics Clinic	2.5
D830	Operative Dentistry Clinic	2.5
D842	Diagnostic Sciences Clinic	.5
D855	Oral and Maxillofacial Surgery Clinic	.5
D856	Periodontics Clinic	1.0
D869	Complete Denture Clinic	1.0
D870	Predoctoral Orthodontics Clinical Experience	.5
D873	Predoctoral Hospital Experience	1.0
	Students are assigned (12 of class each semester)	
D877	Intramural Program Electives (see D876 above)	1.0
D881	Endodontics Clinic	.5
D896	Removable Partial Prosthodontics Clinic	2.0
Totals:		15.0

Fourth-year clinics are scheduled for sixteen weeks each semester.

Summer Sessions (May–August)

Course Number	Course Title	Credit Hours
D500	Clinical Procedures For irregularly enrolled students first or second semesters or summer session.	5-2.5
D600	Clinical Procedures Elective for students following first year. Most students utilize this time to treat patients.	3.0
D650	Extramural Programs Two days required for all students following first year.	5
D700	Clinical Procedures Elective for students following second year. Almost all students utilize this time to treat patients.	2.5
D750	Extramural Programs One week required for all students following second year.	1.0
D800	Clinical Procedures Elective for students following third year. All students use this time to treat patients. See Fourth Year: D837 and D867.	3.0
D850	Extramural Programs One week required for all students following third year.	1.0

Students Not Certified for Graduation After Fourth Year

Course Number	Course Title	Credit Hours
D900	Clinical Procedures Following the fourth year, required for students who have not been certified for graduation by the last day of summer registration.	12.0
D901	Clinical Procedures Required for students not certified for graduation by the last day of fall registration.	12.0
D902	Clinical Procedures Required for students not certified for graduation by the last day of spring registration.	12.0

D.D.S. Courses, 1993–95

The letter before the course number indicates field of study or category. The figures given in parentheses with "cr." indicate credit hours.

Anatomy

D511 Human Anatomy Lecture and Laboratory (7.5 cr.) Gross anatomical features of human body; special emphasis on head and neck.

D513 Histology Lecture and Laboratory (4 cr.) Histogenesis and microscopic structure of human tissues and organs; morphologic evidence of their function.

Biochemistry

D505 Biochemistry for Dental Students Lecture (4 cr.) The molecules of life. Chemical nature of major tissue constituents, intermediary metabolism, chemical regulation of body functions. Principles of nutrition; special emphasis on oral biochemistry and dental relevance throughout.

Dental Diagnostic Sciences

Oral Diagnosis/Oral Medicine

D629 Oral Diagnosis Lecture (1 cr.) Students receive instruction in the basics of the diagnostic process, including interviewing and examination techniques, diagnostic tests, and treatment planning.

D732 Diagnosis and Treatment Planning Clinic (1.5 cr.) Students gain clinical experience in patient history taking. Comprehensive examination, correlation of symptomatology (both systemic and local) in order to make a diagnosis and develop a treatment plan.

D840 Diagnostic Sciences Clinic (1 cr.) Students refine skills in radiographic technique, radiographic interpretation, oral diagnosis and treatment planning. Additionally students apply those skills in the Emergency Clinic.

D842 Diagnostic Sciences Clinic (.5 cr.) Students complete their clinical requirements in radiology and oral diagnosis, and attend assigned rotations in the Emergency Clinic.

Radiology

D519 Radiology Lecture (1 cr.) This course consists of lectures on the principles of x-ray generation, nature and behavior of x-rays, chemistry of film processing, radiation biology, and hygiene and radiographic anatomic interpretation.

D630 Radiology Clinic (1 cr.) This course begins at the end of the first year during the summer session. Intraoral radiographic techniques taught on manikins; additional

clinic summer assignments made. Students assigned to radiology clinic during the fall and spring semesters of the second year. Final grade submitted at end of spring semester.

D728 Radiology Clinic (1 cr.) Students gain clinical experience with several radiographic techniques, particularly the paralleling and bitewing techniques. Radiographic interpretation of all resultant surveys will also be stressed.

D729 Radiographic Interpretation Lecture (1.5 cr.) Students are instructed in the principles of radiographic interpretation and radiographic features of lesions and conditions found in the maxillofacial region.

D731 Oral Medicine Lecture (1 cr.) Students receive further instruction in patient evaluation and management strategies for more challenging diagnostic problems.

Dental Materials

D612 Dental Materials Lecture (3 cr.) Discussion of physical and chemical properties of dental materials; effect of manipulation upon these properties; clinical applications stressed.

Endodontics

D617-D618 Endodontics Lecture and Laboratory (1-1.5 cr.) Correlation of basic endodontic procedures and related biological principles.

D780 Endodontics Clinic (1 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.

D880-D881 Endodontics Clinic (.5-.5 cr.) Continuation of D780 and special clinic assignments for the diagnosis and treatment of symptomatic pulpally and periapically involved teeth.

Extramural Programs D650, D750, D850

Students are required to devote two days the first summer and one week each for the next two summer sessions (two weeks and two days total) to this experience. Students may select from the following experiences: (1) private dental office, (2) state institutions, (3) community health centers, and (4) hospital dental programs. Assignment is commensurate with the individual student's level of training and ability.

Genetics

D783 Clinical Genetics (.5 cr.) Lectures designed to make the student knowledgeable about the inheritance of the more common diseases affecting the human dentition, face, and mouth. A background in principles of Mendelian inheritance is assumed.

Hospital Program

D873 Predoctoral Hospital Experience (1 cr.)

Each fourth-year student is assigned for approximately one week to gain experience with medical and dental emergencies and treatment. Will be assigned either the fall or spring semester to Riley, Long, Regenstrief, and Wishard hospitals.

Internal Medicine

D781 Internal Medicine Lecture (1 cr.) The more important systemic diseases and drugs used in their treatment.

Intramural Programs

D876-D877 Intramural Program Electives (1-1 cr.)

Many intramural courses, largely clinically oriented, are available from which students must select experiences to enhance their dental education and improve their clinical skills.

Microbiology

J650 Microbiology for Dental Students Lecture and Laboratory (3.5 cr.) Microbiology and immunology of health and disease with emphasis on infectious diseases important in dentistry; procedures for sterilization and asepsis.

Occlusion

D520-D521 Occlusion Lecture and Laboratory (1-1 cr.)

Student will be instructed in the relationships between 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. Technique projects will be performed that reinforce the understanding of the dynamics of occlusion and articulation.

Operative Dentistry

D515-D516 Operative Dentistry Lecture and Laboratory (1.5-5 cr.); and D517-D518 Operative Dentistry Lecture and Laboratory (1-3 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 Lecture and Clinic (1-2.5 cr.); D725-D726 Operative Dentistry Lecture and Clinic (1-2.5 cr.); and D829-D830 Operative Dentistry Clinic (2.5-2.5 cr.) Classroom instruction and clinical experience in patient care using established principles of operative dentistry. This is inclusive of anesthesia, isolation, selection of treatment option and its corresponding preparation, experience with materials, and the gaining of experience and skills while treating patients.

Oral and Maxillofacial Surgery

D632 Oral Surgery Orientation and Clinical Seminar (.5 cr.) Orientation and instruction in the basic theories and clinical techniques of exodontia and dentoalveolar surgery prior to clinical experience in the Department of Oral and Maxillofacial Surgery.

D636 Introduction to Local Anesthesia—Lecture and Technique (1 cr.) Pharmacology, anatomy and technique of local anesthesia. Also included is an introduction to medical emergencies in the dental office.

D706 Anxiety and Pain Control (1 cr.) A review of local anesthesia, principles of general anesthesia, nitrous oxide analgesia; diagnosis and treatment of medical emergencies.

D733-D734 Oral Surgery Lecture and Clinic (1-.5 cr.); and D735-D736 Oral Surgery 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.

D837 Cardiopulmonary Resuscitation Review and Laboratory (1 cr.) Review of anatomy and physiology of the heart and lungs, conditions that may predispose one to cardiovascular disease, and means of modifying risk factors. Demonstration and practice of CPR psychomotor skills on adult- and child-sized manikins. Techniques for managing obstructed airways. Practical examination required for certification. Actually given during the three summer sessions.

D853-D855 Oral and Maxillofacial Surgery Clinic (.5-.5 cr.) Students refine their skills by performing a variety of minor dentoalveolar surgical procedures.

Orthodontics

D570 Craniofacial Growth and Development Lecture (1 cr.) Growth and development of the craniofacial complex is presented in descriptive and theoretical terms as it relates to occlusion and orthodontics.

D571 Principles of Orthodontics Lecture

(1 cr.) The diagnosis and etiology of dental, skeletal, and neuromuscular components of malocclusions are presented.

D670 Orthodontics Diagnosis and Treatment Planning Lecture (1 cr.)

Orthodontics: case analysis, treatment planning, and management. Biology, biomechanics of tooth movement, sequelae thereof, and interaction with other phases of dentistry.

D671 Introduction to Clinical Orthodontics

Laboratory (1.5 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.

D770-D870 Predoctoral Orthodontics Clinical Experience (1-.5 cr.)

The goals are to teach the differences between major and minor orthodontic care and provide experience in minor procedures such as uprighting abutments, space maintenance, crossbites and other preventive therapy well suited for general practitioners.

Pathology**C607 Pathology for Dental Students (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

Lectures (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 Clinical Correlation Conference (1 cr.)

A clinicopathic conference covering the clinical and/or radiographic features of developmental and acquired diseases. These features are correlated with the microscopic features.

Therapy and prognostic factors are discussed.

Pediatric Dentistry**D762 Pediatric Dentistry Lecture (1.5 cr.)**

Management of child behavior in dental office; radiographic techniques for the child; examination of the child's mouth; evaluation of occlusion in the child; restorative and preventive procedures for children; pulp therapy in the child patient.

D766 Pediatric Dentistry Lecture (1.5 cr.)

Dental auxiliary utilization; management of traumatic injuries in primary and permanent teeth; space management in primary and

mixed dentitions; correction of minor irregularities in the developing dentition.

D861 Pediatric Dentistry Technic (.5 cr.)

Selected restorative and space management technical procedures in pediatric dentistry.

D867 Pediatric Dentistry Clinic (2 cr.)

Clinical assignment in practice of dentistry for children.

Periodontics

D552 Periodontics Lecture (1 cr.) Study of the normal periodontium at the clinical, histologic, and biochemical levels; procedures involved in carrying out a comprehensive periodontal examination and performing a periodontal prophylaxis.

D553 Periodontics Lecture, Laboratory, and Clinic (2 cr.)

Etiology and pathogenesis of the periodontal lesion; healing and repair of the periodontium; diagnosis of periodontal diseases; oral hygiene management; the role of scaling and root planing in periodontal therapy; epidemiology of periodontal disease.

D607 Periodontics Lecture (1 cr.) Diagnosis, treatment, and prevention of periodontal disease; maintenance of oral health.

D753 Periodontics Lecture (1 cr.) Surgical treatment of the inflammatory periodontal diseases; criteria for success in periodontal therapy; maintenance of the treated patient.

D754 Periodontics Clinic (1.5 cr.) Periodontal diseases confronting the general practitioner, their etiology, symptomatology, and accepted methods of treatment.

D756 Periodontics Clinic (1.5 cr.) Review of principles taught in preceding years; emphasis on instrumentation and clinical procedures; subject material provided by clinical cases.

D854 Periodontics Clinic (1 cr.) Clinical treatment of more advanced periodontal disease. Emphasis on examination, diagnosis, treatment planning, non-surgical and surgical procedures, reevaluation and maintenance. Developing proficiency on instrumentation and in patient management.

D856 Periodontics Clinic (1 cr.) Review of current concepts and principles taught in preceding semesters. Continued emphasis on examination, diagnosis, treatment planning, non-surgical and surgical procedures. Evaluation of successful therapy and maintenance of treated patient.

Pharmacology and Therapeutics

D705 Therapeutics and Dental Pharmacology Lecture (1 cr.) Lectures and quizzes in rational use of drugs, supported by pharmacotherapeutics, toxicology, posology, materia

dentica, prescription writing, and clinical demonstrations.

D794 Pharmacology Lecture (2 cr.) Site and mechanism of typical drugs; drugs used most frequently in dentistry.

Physiology

F509 Human Physiology Lecture (5 cr.) Study of muscle, nervous systems, body fluids, circulation, respiration, digestion, metabolism, excretion, endocrines, sense organs, and body systems.

Preventive and Community Dentistry

Current Concepts

D826-D827 Current Concepts Lecture (2-2 cr.) Lectures on current concepts from the various disciplines in dentistry.

Practice Administration

D503 Practice Administration I Lecture (1 cr.) Basic concepts in personnel and business management, including communications, decision making, and accounting.

D504 History of Dentistry and Ethics Lecture (1 cr.) Dentistry in prehistoric, ancient, medieval, and modern periods; discussion of development of modern phases of practice; development of dental education traced; dental code of ethics explained.

D702 Practice Administration II Lecture (1 cr.) Lecture on office administration, including personnel and business management.

D707 Geriatric Dentistry Lecture (1 cr.) The purpose of this course is to provide third-year dental students with information on theories of aging; on demographic trends; on physical, social, psychological, physiological, and biological changes associated with aging; and on commonly occurring diseases of older adults, the management of these diseases, and their relationship to oral health care.

D802 Jurisprudence Lecture (1 cr.) Cases in elementary law; contracts and torts as applied to dental practice and professional relationships, duties and liabilities, malpractice, and statutes governing dental practice.

Preventive Dentistry

D507 Oral Biology Lecture (2 cr.) Study of the biology of the mouth in health and disease. Dental nutrition presented to dovetail with basic nutrition principles presented in the biochemistry course. Stresses the correlation of basic sciences with clinical activities.

Prosthodontics

Complete Denture Prosthodontics

D635 Complete Denture Lecture and Laboratory (2.5 cr.) Lectures, laboratory, and clinical exercises in basic techniques; prepares students for clinical practice in third and fourth years.

D760 Complete Denture Lecture, Laboratory, and Clinic (2.5 cr.) Lecture, laboratory, procedures and clinical practice in the fabrication of complete dentures.

D763 Complete Denture Lecture (1 cr.) Lectures on all aspects of complete denture prosthodontics at intermediate and advanced levels.

D764-D765 Complete Denture Clinic (.5-1 cr.); and D868-D869 Complete Denture Clinic (1-1 cr.) Clinical practice, including diagnosis, treatment planning, and patient treatment in prosthetic procedures.

Fixed Partial Prosthodontics

D613-D614 Fixed Partial Prosthodontics Lecture and Laboratory (2-3 cr.); and D615-D616 Fixed Partial Prosthodontics Lecture and Laboratory (2-3 cr.) Instruction in the fundamentals, including diagnosis, treatment planning and bridge design, tooth preparation, and fabrication of full veneer, partial veneer, metal-ceramic crown retainers, pontic forms, soldering, temporary restorations, posts and cores, and indirect procedures.

D713-D718-D818-D828 Fixed Partial Prosthodontics Clinic (.5-1-2-2.5 cr.) Clinical instruction and practice in fixed partial prosthodontics with experience in diagnosis, treatment planning, occlusal analysis, tooth preparation, prosthesis design and fabrication, laboratory work authorization, evaluation, adjustment, placement and postplacement care. The use of full veneer, partial veneer and metal-ceramic restorations is emphasized.

Removable Partial Prosthodontics

D619-D620 Removable Partial Prosthodontics Lecture and Laboratory (2-2 cr.) Introduces student to the use of the removable partial denture in restoring the mouth to health and function. Indications, component parts, and biologically sound design are emphasized. Diagnosis and clinical procedures are introduced. Laboratory designed to demonstrate principles and procedures presented in lecture.

D791 Partial Prosthodontics Lecture and Seminar (1 cr.) Clinically oriented lecture and seminar course. Lectures deal primarily with clinical procedures required in removable partial denture construction. Small group seminars discuss diagnosis and treatment

planning, including mouth preparation and combined fixed and removable prosthodontic treatment.

D896 Removable Partial Prosthodontics Clinic (2 cr.) Clinical instruction and practice in removable partial denture prosthodontics with experience in diagnosis, treatment planning, survey analysis, mouth preparation, prosthesis design and fabrication, laboratory work authorization, evaluation, adjustment, placement and postplacement care.

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.

Special Clinics

D500 Clinical Procedures for Irregularly Enrolled Students (.5-2.5 cr.) Summer, fall, and spring semesters. See summer sessions.

D501-D502 Introduction to Clinical Dentistry (1-1.5 cr.) Orientation to the clinic, radiography, oral diagnosis, and treatment planning, personal oral health, surgical procedures, and local anesthesia.

D603-D604 Clinic (1.5-1.5 cr.) Students are scheduled to treat patients needing periodontics, operative dentistry, oral surgery, oral diagnosis, and radiology.

D900 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of summer registration following the fourth year.

D901 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of fall registration following the fourth year.

D902 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of spring registration following the fourth year.

Temporomandibular Disorders

D799 Diagnosis and Management of Temporomandibular Disorders (1.5 cr.) This course is oriented toward basic examination, diagnosis and management of multiple temporomandibular disorders. Medical and dental differential diagnosis will be reviewed and medico-legal implications will be discussed and analyzed. Students will gain laboratory experience in designing and fabricating a heat cured centric relation splint.

Tooth Morphology

D509-D510 Tooth Morphology Lecture and Laboratory (1-1.5 cr.) Morphologic and functional study of the teeth; their arrangement and occlusion.

Summer Sessions

D600 (3 cr.), D700 (2.5 cr.), D800 (3 cr.) are electives for students who wish to use dental school clinics.

Dental Auxiliary Education

Dean and Professor Gilmore

Director of Dental Auxiliary Education and Clinical Assistant Professor Niemann

Dental Hygiene

Director and Associate Professor Oldsen

Associate Dean and Professor Goldblatt

Professors DeCastro, Hancock, McDonald, Niederpruem, Swenson

Associate Professors Ryan, Smith, Williamson, Zunt

Clinical Associate Professor Swimley

Assistant Professors Hazelrigg, Rackley, Summerlin, Totten, Young

Clinical Assistant Professors Abrams, Judd

Instructors Hinshaw, Quill

Lecturers Phillips, Rehm

The dental hygienist is a member of the dental health team providing 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 of Science degree and a program leading to a Bachelor of Science degree. (See inside back cover for listing of the dental hygiene programs.)

The associate program in dental hygiene will prepare the graduate to:

1. master and apply knowledge of the basic, social, and dental sciences to all aspects of patient care delivery and comprehensive health care programs;
2. deliver quality comprehensive dental hygiene services to patients within a variety of health delivery systems;
3. communicate effectively with other health care professionals in coordination and provision of care;
4. become effective communicators and advocates of oral health and disease prevention to achieve positive behavior changes in the population;
5. initiate, design, implement, and evaluate community dental health care programs;
6. employ problem-solving and decision-making skills to provide dental health services for community-based programs;
7. develop skills in evaluating research relevant to dental hygiene practice;
8. be cognizant of and responsive to changes in dental health care; and
9. qualify for and seek admission to baccalaureate-level programs.

Admission Requirements The freshman year may be taken at any accredited college or university. A total of 25-27 semester hours must be completed, with required courses including one semester each of English composition, chemistry with laboratory, human anatomy, human physiology, psychology, sociology, public speaking, and two semester courses in arts and humanities. To learn which is the appropriate chemistry course, contact the Office of Records and Admissions in the School of Dentistry. Remedial courses may not be used to fulfill this requirement. All applicants must maintain a 2.0 (on a 4.0 scale) grade point average to be eligible for admission 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.

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 February 1. Applications to the program may be obtained by contacting the Office of Records and Admissions, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana 46202; or by contacting the director at any of IU's other 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. An application to the program may be obtained by addressing communications to Director, Dental Hygiene Program, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana 46202. Application deadline is February 1. Applications received after February 1 will be considered on a space-available basis.

PRE-DENTAL HYGIENE (SUGGESTED)

First Semester

English Composition
Sociology
Arts and Humanities
Chemistry with Lab

Second Semester

Arts and Humanities
Public Speaking
Psychology
Human Anatomy
Human Physiology

DENTAL HYGIENE (FIRST YEAR)

First Semester

H204 Periodontics (1 cr.)
H206 General Pathology I (1 cr.)
H214 Oral Anatomy (3 cr.)
H216 Chemistry and Nutrition (3 cr.)
H218 Fundamentals of Dental Hygiene (4 cr.)
H224 Oral Histology and Embryology (1 cr.)
H303 Radiology (1 cr.)

Second Semester

J200 Microbiology and Immunology (3 cr.)¹
J201 Microbiology Laboratory (1 cr.)¹
H205 Medical and Dental Emergencies (1 cr.)
H207 General Pathology II (1 cr.)
H215 Pharmacology and Therapeutics (2 cr.)
H219 Clinical Practice I (4 cr.)
H242 Introduction to Dentistry (1 cr.)
H308 Dental Materials (2 cr.)

DENTAL HYGIENE (SUMMER SESSION)

H221 Clinical Dental Hygiene Procedures (2 cr.)
H304 Oral Pathology (2 cr.)
H305 Radiology Clinic (1 cr.)

DENTAL HYGIENE (SECOND YEAR)

First Semester

H217 Preventive Dentistry (1 cr.)
H301 Clinical Practice II (5 cr.)
H304 Oral Pathology (2 cr.)
H305 Radiology Clinic (1 cr.)
H311 Dental Health Education (3 cr.)
H321 Periodontics (1 cr.)
E351 Advanced Dental Materials for Dental Auxiliaries (2 cr.)

Second Semester

H302 Clinical Practice III (5 cr.)
H305 Radiology Clinic (1 cr.)
H344 Senior Hygiene Seminar (2 cr.)
H347 Community Dental Health (4 cr.)

¹Students will find descriptions of J200 and J201 in the IU School of Medicine Bulletin.

Courses for the Professional Curriculum for Dental Hygienists

H204 Periodontics (1 cr.) Study of the normal periodontium at the clinical histologic and biochemical levels; procedures involved in carrying out a comprehensive periodontal examination and performing a periodontal prophylaxis.

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.

H206-H207 General Pathology I and II (1-1 cr.) Mechanisms of disease at the cellular, organ and systemic levels with special references to specific disease processes; includes general concepts, terminology and pathology of organ systems.

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.

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 (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 I (4 cr.) Performance of dental hygiene services in various clinical settings. Included is didactic instruction and application of dental hygiene procedures for providing patient care and an introduction to oral diagnosis.

H221 Clinical Dental Hygiene Procedures (1-3 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 management of the child patient, cavity classification and nomenclature, the space maintenance concept, patient motivation, and auxiliary involvement with the geriatric patient.

H301-H302 Clinical Practice II-III (5-5 cr.) Continued performance of dental hygiene services in various clinical settings. Included are didactic instruction and clinical application of dental hygiene services for providing patient care.

H303 Radiology (1 cr.) Principles of radiation production, placement of intraoral 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.

H305 Radiology Clinic (1 cr.) Clinical application of intraoral and extraoral radiographs.

H308 Dental Materials: First Year (2 cr.) Composition, physical and chemical properties of materials used in dentistry.

H311 Dental Health Education (3 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 (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.

H347 Community Dental Health (4 cr.) Principles and practice of program planning, implementation and evaluation for community and school dental health programs.

E351 Advanced Dental Materials for Dental Auxiliaries (2 cr.) Lecture and laboratory course designed to teach additional concepts of dental materials and their use in intraoral techniques. Included is instruction in DAU principles and the manipulation of dental materials used in delegated intraoral functions.

Dental Assisting

Director and Assistant Professor Spencer
Professors DeCastro, Koerber, McDonald, Miller
Associate Professor Williamson
Assistant Professors Zitterbart
Instructor Moeller
Lecturer Beard

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 scale) or the GED equivalent. They must submit scores for SAT or ACT, a transcript of high school credits, and any credits received above this level. High school courses in biology and chemistry are strongly recommended. Students who successfully complete the program are eligible to take the Dental Assisting National Board Examination.

Applications may be obtained from any program office, and the completed form must be returned by June 15 for each program for which the applicant wishes to be considered. Applications received after June 15 will be considered on a space-available basis.

Additional information or applications may be obtained by writing to the appropriate address listed on the inside back cover of this bulletin.

Dental Assisting Core Curriculum—One Year

Course Number	Course Title	Credit Hours
A110	Oral Histology and Embryology	1
A111	Oral Pathology, Physiology, and Anatomy I	1-2
A112	Dental and Medical Emergencies and Therapeutics	2
A113	Oral Pathology, Physiology, and Anatomy II	1-2
A114	Oral Anatomy	3
A121	Microbiology and Asepsis Technique	1
A131	Dental Materials I	2
A132	Dental Materials II	2
A141	Preventive Dentistry and Nutrition	2
A151	Radiology Clinic I	1
A152	Radiology Clinic II	1
A161	Behavioral Science	1
A162	Oral and Written Communication	2
A171	Clinical Science I	4
A172	Clinical Science II	3
A182	Practice Management, Ethics, and Jurisprudence	2
H242	Introduction to Dentistry	1
Totals:		31
Summer (elective)		
A190	Expanded Restorative Functions	4

Courses for the Professional Curriculum for Dental Assistants

A110 Oral Histology and Embryology (1 cr.)

Histological aspects of the tooth and periodontium; embryologic development of the face and neck.

A111-A113 Oral Pathology, Physiology, Anatomy I-II (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.

A112 Dental and Medical Emergencies and Therapeutics (2 cr.)

A course including recognition and clinical experience of systemic emergencies. Comprehensive study of the physiological, toxicological, and therapeutic effects of drugs on living organisms, with emphasis on their rational application in the treatment of disease. Content includes discussions of drugs that are widely prescribed by physicians and dentists.

A114 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.

A121 Microbiology and Asepsis Technique (1 cr.)

An overview of microbiological aspects of health and disease with emphasis on sterile procedures and disinfection techniques.

A131-A132 Dental Materials I-II (2-2 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.

A141 Preventive Dentistry and Nutrition (2 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 (1-1 cr.)

Clinical experience in the placing, exposing, processing, evaluating, and mounting of intraoral and extraoral 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 assistant 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 (2 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 Clinical Science I (4 cr.)

A core course in dental nomenclature; historical developments in dentistry; role of assistant as member of dental health team; dental specialties; charting the mouth; identification and utilization of instruments and equipment; principles of dental procedures and instrument transfer.

A172 Clinical Science II (3 cr.)

Clinical chairside experience in extramural assignments with a seminar to provide opportunities for students to share experiences.

A182 Practice Management, Ethics, and Jurisprudence (2 cr.)

Dental practice management in reception procedures, appointment control, and clinical and financial records; purchasing and inventory control. Study of the legal and ethical aspects of dentistry.

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.

H242 Introduction to Dentistry (1 cr.)

An overview of the specialties of dentistry with specific lectures on management of the child patient, cavity classification and nomenclature, the space maintenance concept, patient motivation, and auxiliary involvement with the geriatric patient.

Graduate Work in Dentistry

Dean and Professor Gilmore

Chairperson, Associate Dean, and Professor Goldblatt

Associate Deans and Professors Garner, Henderson, Stookey

Professors Emeriti Dykema, Shanks, Standish, Swartz

Professors Avery, Bixler, Bricker, Christen, Cochran, Gillette, Goodacre, Hancock, Harris, Hennon, Kafrawy, Koerber, Lund, McDonald, Miller, Moore, Newton, Olson, Palenik, Park, Potter, Roberts, Tomich, Wagner

Associate Professors Andres, Arens, Baldwin, C. Brown, D. Brown, Carlson, Hovijitra, Kaneshiro, Miles, Munoz-Viveros, Nelson, Oshida, Schaaf, Spolnik, Van Dis, Ward, Weddell, Zunt

Assistant Professors Arbuckle, Garetto, Newell, Steffel

Advisory Faculty Professor Swenson

Advisory Faculty Assistant Professors Simpson, Watson

Assistant Scientists Dunipace, Li

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 disciplines 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. 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 IU's University Graduate School and work toward the M.S. or Ph.D. An M.S. program is available in the fields of dental materials, dental diagnostic sciences, oral pathology, orthodontics, and preventive dentistry, and a Ph.D. program is available in dental science.

The M.S.D. degree may be granted in the following major areas of concentration: dental diagnostic sciences, dental materials, endodontics, operative dentistry, oral pathology, oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics, preventive dentistry, and prosthodontics.

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 want to pursue a career in dental research and education. An outside minor of advanced courses in dental science is offered, 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 Requirements

Only students who have a minimum cumulative grade point average of 3.0 (on a scale of 4.0) will be considered for admission, unless, under exceptional circumstances, the prospective student can provide evidence that he or she is capable of successfully completing the graduate dental program. Application forms (see the last page of this bulletin) must be accompanied by transcripts of undergraduate and professional work together with such additional materials as may serve to determine eligibility and ability to satisfactorily pursue an advanced course of study. Letters of support attesting to the candidate's academic background, professional experience, and character should be requested from at least two individuals who have direct knowledge of the candidate's potential to do graduate-level work.

Deadline dates for completed applications vary among the individual graduate programs. Candidates should contact the dental school's Office of Graduate and Postgraduate Education or the appropriate program director for specific dates.

Faculty Advisory/Research Committees for M.S. and M.S.D. Degrees in the School of Dentistry

Each degree candidate is assigned to a faculty advisory committee. The committee is chaired by the chairperson of the candidate's major subject (or the chairperson's designee) and is composed of the chair and four or more additional members of the graduate dental faculty, including at least two from the student's major department, one from each minor and one from outside the major and minor departments. The functions of the advisory committee are to (1) approve the student's program of study; (2) counsel the student until the qualifying (oral and written comprehensive) examination is passed; and (3) compose and grade the qualifying examination. Following successful completion of the qualifying examination, the student will be permitted to complete the thesis research under the direction of his or her research committee. *The research committee may or may not have the same composition as the faculty advisory committee.* The research committee is chaired by the faculty member who directs the thesis research (chosen by the student with the consent of the chair of the faculty advisory committee) and is composed of the chairperson and four or more additional members of the graduate dental faculty with at least two from the student's major department and one from each minor department. The committee should be selected from the members of the graduate dental faculty who are best qualified to assist the student in conducting the thesis research. The research committee is responsible for supervising the research, guiding the preparation of the thesis, and conducting and approving the thesis defense.

Once the faculty advisory and research committees have certified that the student has completed the academic and research requirements, the associate dean for graduate and postgraduate education will certify the student for graduation and direct the graduate recorder to order the diploma.

Degree Requirements

Requirements for the M.S. and Ph.D. degrees are outlined in the Indiana University Graduate School Bulletin. Requirements for the M.S.D. are as follows:

Course Work The student must complete a minimum of 30 credit hours of course work, of which at least 18 must be devoted to didactic work. A minimum of 6 credit hours must be earned toward a minor subject, outside the major concentration. Other elective subjects may be selected, based on the student's educational objectives. A total of 6 credit hours must be in research; however, additional research credit cannot be used toward fulfillment of requirements for the degree. Each student must satisfactorily complete an original research project and submit an approved thesis.

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 American Dental Association Commission on Dental Accreditation Standards for Advanced Specialty Education Programs.

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

Grades Failure to maintain a grade point average of 3.0 (on a 4.0 scale) in either the major or minor concentration and/or failure to demonstrate evidence of continuing professional growth may subject the student to dismissal from the program.

Examinations

The members of the student's faculty advisory committee (previously described) will conduct the qualifying (oral and written comprehensive) examination, which essentially covers the candidate's fields of study. The exact format of the examination will be determined by the individual faculty advisory committee and described in an educational agreement signed by the student and department chairperson at the beginning of the program. *Successful completion of the qualifying examination is required in order to proceed to completion of the thesis research, defense of thesis, and awarding of the degree.* In accordance with University Graduate School requirements, students who fail the qualifying examination are normally allowed only one retake. The student must complete the qualifying examination six months prior to the intended date of graduation. The

student is eligible but not required to take the examination upon the completion of one-half of the didactic requirements.

Continuing Enrollment

Students who have passed the qualifying examination and completed two years as a full-time student must enroll each semester (excluding summer sessions for off-campus students) for any remaining required course work or research credits. Once students have accumulated the number of credit hours required by the particular graduate program they must enroll for a minimum of 1 hour of graduate credit each semester until the degree is completed. Failure to meet this requirement will automatically terminate the student's enrollment in the degree program. All requirements for the master's degree must be completed within five consecutive years.

Time Limits and Revalidation

Master's programs in the School of Dentistry comply with IU's University Graduate School requirements regarding time limits and course revalidation. Thus, as a rule, a course may not be counted toward degree requirements if it has been completed more than five years prior to the awarding of the degree for master's students. The advisory committee, however, may recommend to the dean that course work taken prior to the above deadlines be revalidated if it can be documented that the knowledge contained in the course(s) remains current. Examples of such documentation may include (1) passing an examination specifically on the material covered by the course; (2) passing a more advanced course in the same subject area; (3) passing a comprehensive examination in which the student demonstrates substantial knowledge of the content of the course; (4) teaching a comparable course; or (5) publishing scholarly research demonstrating substantial knowledge of the content and fundamental principles of the course. Each course for which consideration for revalidation is being requested should be justified separately.

In the event the course work cannot be revalidated or the thesis cannot, in the opinion of the advisory committee, be completed by the deadline stated above, the student, upon the advice of the advisory committee, may be awarded a certificate of completion of a curriculum in postgraduate study, or a certificate of attendance, whichever is deemed appropriate by the IU School of Dentistry. (Please note, however, that programs are not required to grant such certificates. See individual program educational agreements for specifics.)

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

Tuition/Fees Postdoctoral students enrolled in two-year programs* will be charged a flat rate for tuition rather than on a per-credit hour basis. Tuition fees for postdoctoral and predoctoral students were made identical in the 1992-93 academic year, and are to remain identical thereafter. Tuition is estimated as follows:

1992-93

In-state residents—\$6,894/year**

Nonresidents—\$14,300/year**

For non-Ph.D. programs lasting more than two years, students in years three and over will be charged at a credit hour rate. For Ph.D. programs students will be charged a credit hour rate throughout the entire course of study. Credit hour rates for the 1992-93 academic year are as follows:

In-state residents—\$107.85**

Nonresidents—\$311.05**

Graduate students who also hold hospital residencies are charged in-state rates regardless of their state of residence.

An advance payment of \$500 (\$1,000 for orthodontics) in U.S. dollars is required after a student has been accepted; this fee is nonrefundable except in instances in which students are called to active military duty. Fees are subject to change.

*Students in dental diagnostic sciences, dental materials, operative dentistry, and preventive and community dentistry will be assessed a flat rate (regardless of their residency status) that is equal to in-state residents' tuition.

**Tuition and fees are subject to change upon approval by the Indiana University Board of Trustees.

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

Advanced Education in General Dentistry

Rental fee, \$840 per calendar year

Endodontics

Rental fee, \$840 per calendar year

Operative Dentistry

Instruments, \$2,040

Rental fee, \$840 per calendar year

Orthodontics

Instruments, \$2,215

Rental fee, \$840 per calendar year

Periodontics

Instruments, \$500

Rental fee, \$840 per calendar year

Prosthodontics

Instruments, \$7,365

Rental fee, \$840 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. Typical curricula are shown below as required courses for each of the major fields of dentistry (with suggested minors). Additional credit hours of elective course work may be taken according to the student's interests. For program details, the student should consult with the departmental adviser.

Dental Diagnostic Sciences

(Oral Diagnosis/Oral Medicine/Oral Radiology)

Required courses: C800 (Scientific Communications—School of Medicine), G900, G907, G908, G910 (Seminar), G910 (biostatistics seminar), G918, G935, G946, G948, G965, G968, G969, G975, G976, G977, G978

Minor concentration: oral pathology

Dental Materials

Required courses: G910, G911, G912, G913, G920, Q650¹, Q651¹

Minor concentration: operative dentistry or prosthodontics (for M.S.D. degree); chemistry, material science engineering, or mechanical engineering (for M.S. degree)

Endodontics

Required courses: G905, G907, G910 (endodontics seminar), G910 (preventive dentistry seminar), G926, G956, G957, G959, G965, G969, G976, G977, G980, R926

Minor concentration: oral pathology

Operative Dentistry

Required courses: G910, G925, G950, G951, G952, G953

Minor concentration: dental materials, preventive dentistry, or education

Oral and Maxillofacial Surgery

Required courses: G991, R903, R904, R905, R906, R907, R919, R934, R935, R937, R938

Minor concentration: oral pathology

Oral Pathology

Required courses: C607, G900, G905, G907, G908, G910, G920, G946, G948, G965, G968, G969, G976, G977, R937, R938

Minor concentration: dental diagnostic sciences

Orthodontics

Required courses: D671 (Students must audit this D.D.S. course.), G910, G912, G927, G947, G958, G960, G963, G964, G976, G977, R908, R924, R932, R934, R935, R942, R943, R944, R945, R947, R949

Minor concentration: speech pathology, dental materials, oral pathology, dental education, or a basic medical science

Pediatric Dentistry

Required courses: G922, G931, G934, G935, G936, G945, G976, G977

Minor concentration: child psychology, dental materials, education, genetics, oral pathology, preventive dentistry, radiology, or speech pathology

Periodontics

Required courses: G905, G907, G910, G928, G948, G959, G965, G966, G967, G968, G976, G977, G991, R917, R926

Minor concentration: oral pathology

Preventive Dentistry

Required courses: G910, G930, G959, G974, G985, R909, R910, R912

Minor concentration: dental materials, operative dentistry, dental diagnostic sciences, oral pathology, or periodontics

¹Q650 and Q651 introduce students to biostatistics. Students will find descriptions of these courses in the Indiana University Graduate School Bulletin.

Prosthodontics

(Note: Four clinical tracks are offered in the graduate prosthodontic curriculum, as follows: (1) emphasis on fixed prosthodontics; (2) emphasis on removable prosthodontics; (3) emphasis on maxillofacial prosthetics; and (4) equal emphasis on all areas of prosthodontics. The didactic requirements for each track are essentially the same. Differences in tracks involve clinical requirements and elective course work.)

Required courses: G910, G911, G912, G913, G914, G915, G916, G917, G923, G937, G938, G940, G941, G942, G944, R921, R928, R929, R930, R931, R933, R936, R940, R941, R942, R943, R946, R948
Minor concentration: dental materials

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 pays regular graduate fees for these courses. All grades earned will be recorded in the Office of Graduate and Postgraduate Education and will appear on official University transcripts. In general, the didactic and clinical requirements for a certificate in one of the specialties of dentistry recognized by the American Dental Association are outlined in the published guidelines of the Council on Dental Education. However, the student should consult the director of the program for specific details regarding requirements. 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 (four years), and Pediatric Dentistry (two years). Information about these programs may be obtained from the Graduate Dental Office at the address given on the last page of this bulletin.

Graduate Courses, 1993-95¹

C607 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.

G900 Advanced Oral Histology and Embryology (2 cr.) Normal structures of oral cavity, their growth and development; microscopic study of tissues.

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.

G905 Special Pathology of Bone (1-3 cr.) Histology, physiology, pathology of bone with reference to maxilla and mandible; development, growth, maintenance, and functional adaptation of bone; bone in pathologic states such as developmental disturbances, inflammatory disturbances, disturbances of metabolism, and tumors.

G906 Tumor Clinic (½ cr.; 1 cr. maximum) Clinical manifestation of neoplastic diseases; various types of therapy; tumors of head and neck.

G907 Clinical Oral Pathology Conference (½ cr.; 1 cr. maximum) Presentation of cases of 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.

G910 Seminar (1 cr.)

G911 Theory of Dental Metallurgy (3 cr.) Composition, chemical reactions, physical properties, clinical significance of metals, resins, and other materials used in dentistry; phases of metallography, physical chemistry, and physics pertinent to this field. Laboratory experience in specimen preparation, use of metallograph and scanning electron microscope.

G912 Properties and Test Methods: Dental Materials (2-3 cr.) Discussion of the basic physical, mechanical, and chemical properties with emphasis on the relationship to dental materials. Methods applicable to testing dental materials for these properties will be discussed along with ADA and ANSI specifications. (Laboratory demonstrations of instruments.)

G913 Clinical Applications of Dental Materials (2-3 cr.) P: G912. This is a seminar course in which the clinical behavior and manipulation of dental materials as related to basic physical and chemical properties of the materials are discussed. Specific clinical problems are defined and knowledge of basic properties applied to explain the behavior and/or solve the problem.

G914 Advanced Complete Denture Theory (1-3 cr.) Advanced theories of complete denture prosthodontics, including comparison 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: Dental Diagnostic Sciences (cr. arr.)

G920 Research: Oral Pathology (cr. arr.)

G921 Research: Dental Materials (cr. arr.)

G922 Research: Pediatric Dentistry (cr. arr.)

G923 Research: Prosthodontics (cr. arr.)

G925 Research: Operative Dentistry (cr. arr.)

G926 Research: Endodontics (cr. arr.)

G927 Research: Orthodontics (cr. arr.)

G928 Research: Periodontics (cr. arr.)

G930 Research: Preventive Dentistry (cr. arr.)

G931 Advanced Pediatric Dentistry (1-3 cr.) Two-semester course; diagnostic, preventive, and therapeutic phases of pediatric dentistry; evaluation of the literature.

G933 Research: Public Health (cr. arr.)

G934 Advanced Clinical Pediatric Dentistry (1-6 cr.) Advanced, diagnostic, corrective, and preventive procedures in pediatric dentistry; instruction and clinical experience in restorative dentistry, dental caries control, pulp therapy, periodontics, hereditary and congenital dental anomalies, oral medicine, behavior management, sedation, managing patients with various medically or physically disabling conditions, managing oral trauma, and interceptive orthodontic procedures.

G935 Dental Pediatrics (1-2 cr.) Medical and dental problems of the chronically ill or handicapped child; lectures, discussions, and ward rounds cover physical diagnosis, normal

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

and abnormal physical and emotional growth of the child.

G936 Advanced Pediatric Dentistry Techniques (1-3 cr.) Interceptive orthodontic appliance design and fabrication.

G937 Advanced Clinical Instruction in Removable Partial Prosthodontics (½-6 cr.) Clinical experience in extracoronally and intracoronally retained removable partial dentures.

G938 Advanced Removable Partial Prosthodontics Technique (5-6 cr.) Tooth preparation for and fabrication of abutment restorations for extracoronally and intracoronally retained removable partial dentures, and fabrication of the prostheses.

G940 Advanced Clinical Instruction in Fixed Partial Prosthodontics (1-6 cr.) Patient treatment involving the use of extracoronally restorations and fixed prostheses, including partial veneer cast crowns, full veneer cast crowns, pinledge retainers, metal-ceramic crowns, all-ceramic crowns, metal-ceramic pontics, and sanitary pontics.

G941 Advanced Fixed Partial Prosthodontics Technique (5-4 cr.) Tooth preparation for and fabrication of extracoronally restorations and fixed prostheses, including partial-veneer gold crowns, full-veneer cast crowns, pinledge retainers, metal-ceramic crowns, all-ceramic crowns, metal-ceramic pontics, and sanitary pontics.

G942 Theories of Occlusion (1-2 cr.) Review of the literature, philosophies, and techniques of major contributors to the development of modern gnathological concepts.

G944 The Principles of Gnathology (1-2 cr.) Lectures, laboratory, and clinical exercises demonstrating the application of gnathological principles to restorative dentistry.

G945 Pediatric Dentistry Seminar (1 cr.) Current literature, research design, case analysis, and diagnosis.

G946 Advanced Clinical Radiography (1-4 cr.) G948 prerequisite or taken concurrently. Clinical study of intraoral and extraoral 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, intraoral and extraoral

techniques, film processing, radiographic interpretation, radiation hygiene.

G950 Advanced Clinical Operative Dentistry (1-6 cr.) Comprehensive restorative care correlated with modern preventive dentistry principles; current concepts of operative dentistry.

G951 Interdisciplinary Role of Operative Dentistry (2 cr.) The interrelationship of operative procedures with other areas of dental and general health care delivery.

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.

G956 Advanced Endodontics (1-8 cr.) Classroom instruction and clinical experience in developing proficiency in complicated endodontic cases.

G957 Analysis of Endodontic Theory (1-4 cr.) Library research and review of literature supporting principles and practice of endodontics.

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.) P: Basic microbiology. Role of oral microorganisms in health and disease states of the host. Emphasis is placed on the biological mechanisms involved in dental caries, periodontal disease, and specific microbial infections of the oral cavity.

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.

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 (3 cr.) This course provides an overview of the periodontium in health and disease with emphasis on cell biology, histology, ultrastructure, biology of epithelium and connective tissue, extracellular matrix biology, inflammation and immunology. Molecular pathology is emphasized throughout the course and clinicopathologic correlations are made whenever appropriate.

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 Dental Diagnostic Sciences (1-6 cr.) Usual and unusual oral pathologic problems of patients.

G969 Advanced Didactic Dental Diagnostic Sciences (2 cr.) Advanced diagnostic techniques and instruments applied with clinical signs and symptoms of oral and peroral diseases.

G971 Intermediary Metabolism (3 cr.) Human metabolic processes and their regulation and relationship to oral health and disease.

G972 Proteins and Nucleic Acids (2 cr.) Composition, function, and regulation of proteins and nucleic acids and their relationship to oral structures.

G973 Vitamins, Mineral Metabolism, and Hormones (2 cr.) Composition, function, and regulation of hormones, vitamins, and minerals and their relationship to oral health.

G974 Advanced Nutrition (2 cr.) Review of the basic nutrient categories and their relationship to health and disease in contemporary society. Special emphasis on nutritional factors influencing dental and oral health.

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.

G976 Advanced Oral Pathology I (1-2 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.

G977 Advanced Oral Pathology II (2 cr.) See course description for G976.

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. Classroom instruction in principles and clinical experience in advanced surgical endodontics.

G982 Clinical Research Methods (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, dental, and societal problems of chronically ill, aged, handicapped, low income, institutional patients; outreach programs; 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.

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.

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.

R902 Developmental Biology of the Human Face and Head (2 cr.) Developmental embryology of the craniofacial complex, with normal variation in man emphasized by discussion of human malformations.

R903 Roentgenographic Interpretation of the Face and Skull (2 cr.) Extraoral roentgenography of facial bones and skull, sialography, planography, diagnosis of facial trauma.

R904¹ 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.

R905¹ 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.

R906¹ 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 (2-3 cr.), II (2-3 cr.), III (1-2 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.

R919 Physical Diagnosis (3-4 cr.) Lectures and demonstrations of techniques in history taking and physical diagnosis. Additional clinical experience will be provided for oral and maxillofacial surgery residents.

R921 Maxillofacial Prosthetics Clinic (.5-6 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 (.5-2 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.

R925 Special Topics in Dentistry (1-14 cr.)

Attendance at lectures, seminars, and special clinics designed to update students' knowledge in clinical and basic science disciplines.

R926 Advanced Concepts in Biomedical Sciences (1 cr.) Lectures, readings, and discussions over a broad range of topics of importance to the practicing dentist, particularly the endodontist and periodontist. Course instructors will be drawn from various fields of clinical and basic sciences in dentistry and medicine.

R927 Interpersonal Processes and Persuasive Motivational Strategies in Dentistry (1 cr.)

Lecture/discussion course will present, analyze, and contrast existing information relative to clinical dental practice and the

¹Enrollment limited to oral and maxillofacial surgery residents, except by special permission.

behavioral sciences concerning interpersonal processes, motivation, and persuasion; the additions, the behavioral determinants of physical and dental health; strategies to help facilitate patient/dental personnel self-learning, discovery and acceptance of personal responsibility.

R928 Advanced Maxillofacial Prosthetic Technique (5-1 cr.) Design and fabrication of obturators for partial maxillectomy patients, both edentulous and dentulous. Introduction to the fabrication of extraoral prostheses.

R929 Advanced Complete Denture Technique (5-1 cr.) Dental laboratory procedures for the fabrication of complete and immediate dentures, including setting and equilibrating denture teeth.

R930 Prosthodontic Literature Review (5-1 cr.) Discussion of assigned topics from classic and current prosthodontic and related literature, led by students and moderated by faculty member in charge.

R931 Advanced Fixed Partial Prosthodontics Seminar and Laboratory I (5-2 cr.) Advanced clinical and laboratory procedures with emphasis on metal-ceramic restorations.

R932 Cleft Lip and Palate Rehabilitation (1 cr.) Background into etiology, incidence, classification of cleft lip and/or palate. Emphasis upon rehabilitation of patients with facial malformations including orthodontic, orthopedic, prosthetic, and surgery.

R933 Clinical Prosthodontics Seminar (5-2 cr.) Advanced clinical procedures pertinent to the practice of prosthodontics.

R934 Surgical Orthodontics Seminar I (1 cr.) Theoretical basis for diagnosis and treatment planning of cases involving both orthodontics and surgery.

R935 Surgical Orthodontics Seminar II (1 cr.) Continuation of Surgical Orthodontics Seminar I; theoretical basis for diagnosis and treatment planning of cases involving both orthodontics and surgery; student prepares cases for presentation.

R936 Advanced Fixed Partial Prosthodontics Seminar and Laboratory II (5-2 cr.) Advanced clinical and laboratory procedures with emphasis on all-ceramic restorations.

R937 Special Pathology of Neoplasms I (2 cr.) Systematic study of the clinical and microscopic features of neoplasms of the head and neck with emphasis on those in the oral cavity.

R938 Special Pathology of Neoplasms II (2 cr.) Systematic study of the clinical and microscopic features of neoplasms of the head and neck with emphasis on those in the oral cavity.

R939 Facial Growth and Morphometrics (2 cr.) Quantitative methods and techniques of assessing facial growth and development in growing children. Emphasis is to be placed on the analysis of both normal and abnormal patterns of facial morphology.

R940 Fundamentals of Implant Dentistry I (1-3 cr.) Two-semester course presenting oral implants as an alternative for removable prostheses. The lecture and class participation course offers biological sciences relating to implantology with emphases on biomaterials, physiology of bone, soft tissue, and wound healing relating to various implants. Includes a review of pathology affecting implant therapy success.

R941 Fundamentals of Implant Dentistry II (1-3 cr.) An overview of available implant systems with clinical application including patient selection, diagnosis and treatment planning, implant placement, interim prosthetic management, and definitive restorative procedures. This lecture/clinical course is in conjunction with G915, G937, and G940 (clinics) and will provide hands-on experiences in clinical and laboratory procedures.

R942 Temporomandibular Dysfunction and Facial Pain Seminar Course I (1-3 cr.) This course, a weekly two-hour seminar, will give the student a better perspective on the diagnosis and management of temporomandibular disorders. Host speakers will lecture on the perspective of their specialty (e.g., neurology, radiology, psychology, psychiatry, rheumatology, orthopedics, physical medicine, physical therapy, etc.). Literature reviews will be prepared by participating students.

R943 Temporomandibular Dysfunction and Facial Pain Clinical Course II (1-3 cr.) P: R942. Weekly three-hour clinical session for clinical management of the TMJ patient with: (1) pain of muscular origin; (2) internal derangement; (3) problems associated with inflammation, chronic hypomobility, hypermobility, and deformity.

R944 Graduate Craniofacial Growth and Development I (2-3 cr.) Growth and development of the craniofacial complex are presented in descriptive and theoretical terms as they relate to occlusion and orthodontics.

R945 Graduate Craniofacial Growth and Development II (2-3 cr.) Growth and development of the craniofacial complex are presented in descriptive and theoretical terms as they relate to occlusion and orthodontics.

R946 Prosthodontic Patient Presentation (5-2 cr.) Case presentations and discussion of alternative methods of rehabilitation.

R947 Orthodontics for the Mixed Dentition

(1 cr.) A course designed to familiarize the student with early interceptive orthodontic treatment in the mixed dentition and early first phase of comprehensive orthodontic treatment.

R948 Private Practice of Prosthodontics

(5-3 cr.) This seminar will provide guidance and resource materials which would be useful in establishing and promoting a prosthodontic practice. The diversity and similarity of prosthodontic practices will be illustrated. Field trip visits to several prosthodontic offices will be available. An effort will be made to establish a network for continuing support and exchange of ideas.

R949 Advanced Head and Neck Anatomy

(3 cr.) P: Previous course in gross anatomy of the head and neck. This clinically oriented course emphasizes the relationship of CAT scan, tomographic and magnetic resonance images to anatomical structures of the head and neck. Lectures are supplemented with a human cadaver workshop.

R951 Light Parenteral Conscious Sedation

(2 cr.) Prepares students in the use of intravenous light sedation as an adjunct to a comprehensive management program for patients in the private practice setting.

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 for the School of Education, Graduate Program.

C675 Supervised College Teaching (2-3 cr.)

P508¹ Practicum in Measurement (2-3 cr.)

P510 Psychology in Teaching (2-3 cr.)

R566¹ Instructional Development: Basics (2-3 cr.)

¹Prerequisites will be waived for dental students.

Faculty of the School of Dentistry

Abrams, Donna R., M.S. (*Indiana University*, 1985), *Clinical Assistant Professor of Dental Hygiene*

Acker, Philip M., D.D.S. (*Indiana University*, 1988), *Instructor in Dental Hygiene*

Adams, Lehman D., Jr., D.D.S. (*Indiana University*, 1949), *Assistant Professor of Oral and Maxillofacial Surgery*

Adams, William R., D.D.S. (*Ohio State University*, 1969), *Assistant Professor of Endodontics*

Alexander, David L., D.D.S. (*Indiana University*, 1973), *Assistant Professor of Periodontics*

Allerheiligen, Ted O., D.D.S. (*Trinity University*, 1980), *Assistant Professor of Operative Dentistry*

Andres, Carl J., D.D.S. (*Indiana University*, 1966), *Associate Professor of Prosthodontics; Director of Graduate Prosthodontics*

Arbuckle, Gordon R., D.D.S. (*Indiana University*, 1967), *Assistant Professor of Orthodontics*

Arens, Donald E., D.D.S. (*Indiana University*, 1959), *Associate Professor of Endodontics; Director of Continuing Education*

Armstrong, William J., D.D.S. (*Indiana University*, 1979), *Assistant Professor of Oral and Maxillofacial Surgery*

Avery, David R., D.D.S. (*Indiana University*, 1966), *Chairperson and Professor of Pediatric Dentistry*

Bailey, David E., D.D.S. (*Indiana University*, 1979), *Instructor in Operative Dentistry*

Bailey, Joseph M., D.D.S. (*Indiana University*, 1986), *Instructor in Operative Dentistry*

Bailey, L. Rush, D.D.S. (*Northwestern University*, 1934), *Professor of Prosthodontics*

Baldwin, James J., D.D.S. (*Indiana University*, 1954), *Associate Professor of Orthodontics*

Barr, E. Byrd, D.D.S. (*Indiana University*, 1947), *Associate Professor Emeritus of Dental Diagnostic Sciences*

Bartholomew, Charles W., D.D.S. (*Baylor College of Dentistry*, 1989), *Assistant Professor of Operative Dentistry*

Barton, Douglas H., D.D.S. (*Indiana University*, 1969), *Associate Professor of Pediatric Dentistry*

Barton, Paul, M.A. (*University of Washington*, 1948), *Professor Emeritus of Community Dentistry*

Baumgartner, Michael P., D.D.S. (*Indiana University*, 1971), *Assistant Professor of Pediatric Dentistry*

Beard, Jami L., M.S. (*Indiana University*, 1990), *Clinical Assistant Professor of Dental Assisting (Fort Wayne)*

Beard, Karen M., B.S. (*Indiana University*, 1986), *Lecturer in Dental Assisting*

Beiswanger, Bradley B., D.D.S. (*Indiana University*, 1967), *Professor of Preventive and Community Dentistry; Associate Director of Clinical Research, Oral Health Research Institute*

Bixler, David, Ph.D. (*Indiana University*, 1956), D.D.S. (1959), *Chairperson and Professor of Oral Facial Genetics (School of Dentistry); Professor of Medical and Molecular Genetics (School of Medicine)*

Bogan, Robert L., D.D.S. (*Indiana University*, 1954), *Professor Emeritus of Prosthodontics*

Boone, Malcolm E., D.D.S. (*Indiana University*, 1946), *Professor Emeritus of Prosthodontics*

Borman, William, D.D.S. (*Indiana University*, 1942), *Assistant Professor of Dental Diagnostic Sciences*

Bozic, Donald F., D.D.S. (*Indiana University*, 1967), *Assistant Professor of Pediatric Dentistry*

Bratton, Robert L., D.D.S. (*Indiana University*, 1968), *Assistant Professor of Operative Dentistry*

Bricker, Steven L., D.D.S. (*Indiana University*, 1974), *Chairperson and Professor of Dental Diagnostic Sciences*

Brown, Cecil E., Jr., D.D.S. (*University of Tennessee*, 1959), *Associate Professor of Endodontics; Director of Graduate Endodontics*

Brown, David T., D.D.S. (*Ohio State University*, 1983), *Associate Professor of Prosthodontics*

Brown, James D., D.D.S. (*Indiana University*, 1973), *Assistant Professor of Pediatric Dentistry*

Burns, Jill M., D.D.S. (*Indiana University*, 1984), *Instructor in Operative Dentistry*

Buttrum, Jeffrey D., D.D.S. (*Indiana University*, 1982), *Assistant Professor of Oral and Maxillofacial Surgery*

Byrd, Kenneth E., Ph.D. (*University of Washington*, 1979), *Associate Professor of Anatomy (School of Medicine); Adjunct Associate Professor of Orthodontics (School of Dentistry)*

Campbell, Helen W., B.S. (*Butler University*, 1967), *Librarian Emerita (Dental Library)*

Campbell, Samuel Jr., D.D.S. (*Howard University*, 1968), *Assistant Professor of Oral and Maxillofacial Surgery*

Carlson, Timothy J., D.D.S. (*Indiana University*, 1978), *Associate Professor of Operative Dentistry; Director of Operative Dentistry Clinic*

Carr, Guthrie E., D.D.S. (*Indiana University*, 1954), *Assistant Professor of Pediatric Dentistry*

- Carr, Marjory H., M.S. (*Butler University*, 1954), Assistant Professor Emerita of Dental Assisting
- Chalian, Varoujan A., D.D.S. (*Indiana University*, 1964), Professor Emeritus of Prosthodontics (School of Dentistry); Professor Emeritus of Otolaryngology, Head and Neck Surgery (School of Medicine)
- Champion, Charles A., M.S. (*Indiana University*, 1981), Assistant Professor of Dental Auxiliary Education; Supervisor of Dental Laboratory Technology (Fort Wayne)
- Chanavaz, Manuel, M.D. (*Faculte de Medecine de Paris*, 1966), D.D.S. (*Faculte de Chirurgie Dentaire de Lille*, 1971), Professor of Orthodontics
- Chen, Jie, Ph.D. (*Drexell University*, 1989), Assistant Professor of Orthodontics (School of Dentistry); Assistant Professor of Mechanical Engineering (School of Engineering and Technology)
- Chisler, Juanita H., B.S. (*Indiana University*, 1978), Assistant Professor Emerita of Dental Assisting
- Christen, Arden G., D.D.S. (*University of Minnesota*, 1956), Chairperson and Professor of Preventive and Community Dentistry
- Christen, Joan A., M.S. (*Butler University*, 1987), Research Associate in Preventive and Community Dentistry
- Christie, J. Thomas, D.D.S. (*Indiana University*, 1988), Instructor in Dental Hygiene
- Clark, David B., D.D.S. (*Indiana University*, 1983), Assistant Professor of Orthodontics
- Clark, Hazel E., B.A. (*University of Evansville*, 1963), Research Associate in Dental Materials
- Clark, Janet C., D.D.S. (*Indiana University*, 1985), Assistant Professor of Pediatric Dentistry
- Coates, David B., D.D.S. (*Indiana University*, 1986), Assistant Professor of Oral and Maxillofacial Surgery
- Cochran, Michael A., D.D.S. (*University of Michigan*, 1969), Chairperson and Professor of Operative Dentistry
- Coghlan, Charles Y., D.M.D. (*University of Louisville*, 1964), Assistant Professor of Orthodontics
- Cohen, Stuart J., Ed.D. (*University of Rochester*, 1969), Adjunct Professor of Medicine (School of Medicine); Adjunct Professor of Preventive and Community Dentistry (School of 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
- Cooper, Mary D., M.S. (*Indiana University*, 1989), Assistant Professor of Dental Hygiene (Fort Wayne)
- Cowling, William E., D.D.S. (*Loma Linda University*, 1980), Assistant Professor of Operative Dentistry
- Davis, W. Bailey, D.D.S. (*Indiana University*, 1960), Professor of Pediatric Dentistry
- Dean, Jeffrey A., D.D.S. (*Indiana University*, 1983), Assistant Professor of Pediatric Dentistry
- Deardorf, Kevin A., D.D.S. (*Indiana University*, 1985), Assistant Professor of Endodontics
- DeCastro, Rolando A., D.M.D. (*Manila Central University, Philippines*, 1953), M.S.D. (*Indiana University*, 1973), Professor of Oral Anatomy; Director of Dental Art
- Derderian, Gay M., D.D.S. (*Loyola University*, 1983), Assistant Professor of Periodontics
- Derry, Robert H., D.D.S. (*Medical College of Virginia*, 1940), Professor Emeritus of Prosthodontics
- DeSchepper, Edward J., D.D.S. (*University of Missouri*, 1981), Associate Professor of Operative Dentistry
- Detamore, Robert J., D.D.S. (*Northwestern University*, 1948), Professor Emeritus of Periodontics
- Dickey, David M., D.D.S. (*The Ohio State University*, 1955), Associate Professor Emeritus of Dental Diagnostic Sciences
- Dirlam, James H., D.D.S. (*Indiana University*, 1950), Professor Emeritus of Oral and Maxillofacial Surgery
- Dixon, Steven E., D.D.S. (*Indiana University*, 1973), Instructor in Operative Dentistry
- Dunigan, Patrick L., D.D.S. (*Indiana University*, 1983), Assistant Professor of Prosthodontics
- Dunipace, Ann J., Ph.D. (*Harvard University*, 1964), Assistant Scientist in Oral Health Research; Associate Director, Preclinical Research, Oral Health Research Institute
- Dupont, Albert A., D.M.D. (*Tufts University*, 1961), Assistant Professor of Endodontics
- Dykema, Roland W., D.D.S. (*Indiana University*, 1947), Professor Emeritus of Prosthodontics
- Eber, Robert M., D.D.S. (*Indiana University*, 1984), Assistant Professor of Periodontics
- Eichhold, William A., D.D.S. (*University of Detroit*, 1969), Assistant Scientist, Oral Health Research Institute
- Elharrar, Victor, Ph.D. (*University of Montreal*, 1974), Associate Professor of Medicine and of Pharmacology and Toxicology (School of Medicine)
- Evan, Andrew P., Ph.D. (*University of North Dakota*, 1971), Professor of Anatomy (School of Medicine)
- Fisher, Ben J., D.D.S. (*Indiana University*, 1937), Assistant Professor of Prosthodontics
- Foley, Elaine S., M.S. (*Indiana University*, 1982), Clinical Assistant Professor of Dental Auxiliary

Education; Supervisor of Dental Hygiene (Fort Wayne)

Fowler, Carolyn S., D.D.S. (Baylor University, 1971), *Adjunct Assistant Professor of Dental Materials*

Garetto, Lawrence P., Ph.D. (Boston University, 1984), *Assistant Professor of Orthodontics; Director of Bone Research Laboratory (School of Dentistry); Assistant Professor of Physiology and Biophysics (School of Medicine)*

Garner, LaForrest D., D.D.S. (Indiana University, 1957), *Associate Dean for Minority Student Services; Professor of Orthodontics*

Gillette, William B., D.D.S. (The Ohio State University, 1957), *Professor of Periodontics*

Gilmore, H. William, D.D.S. (Indiana University, 1958), *Dean and Professor of Operative Dentistry*

Gish, Charles W., D.D.S. (Indiana University, 1949), *Professor Emeritus of Pediatric Dentistry*

Goldblatt, Lawrence I., D.D.S. (Georgetown University, 1968), *Associate Dean for Academic Affairs; Associate Dean for Graduate and Postgraduate Education; Professor of Oral Pathology*

Goodacre, Charles J., D.D.S. (Loma Linda University, 1971), *Chairperson and Professor of Prosthodontics*

Gore, Jeffery L., D.D.S. (Indiana University, 1991), *Instructor in Dental Diagnostic Sciences*

Gorman, John C., D.M.D. (University of Louisville, 1959), *Assistant Professor of Orthodontics*

Gorman, J. Courtney, Jr., D.D.S. (Indiana University, 1987), *Assistant Professor of Orthodontics*

Graham, Larry L., D.D.S. (Indiana University, 1965), *Professor of Oral and Maxillofacial Surgery; Director of Wishard Memorial Hospital and the Regenstrief Center Oral and Maxillofacial Surgery Program*

Graham, Laura B., D.D.S. (Indiana University, 1986), *Assistant Professor of Pediatric Dentistry*

Gregory, Richard L., Ph.D. (Southern Illinois University, 1982), *Associate Professor of Oral Microbiology*

Gromer, John I., D.D.S. (Indiana University, 1972), *Adjunct Assistant Professor of Endodontics*

Guba, Christianne J., D.D.S. (Indiana University, 1980), *Assistant Professor of Preventive and Community Dentistry; Director of Advanced Education in General Dentistry Program*

Guba, Phil P., D.D.S. (Indiana University, 1986), *Assistant Professor of Endodontics*

Hall, Lisa H.S., D.D.S. (Indiana University, 1988), *Assistant Professor of Operative Dentistry*

Hancock, E. Brady, D.D.S. (University of Illinois, 1967), *Chairperson and Professor of Periodontics*

Harris, Ronald K., D.D.S. (Marquette University, 1967), *Professor of Operative Dentistry*

Hathaway, Ronald R., D.D.S. (University of Iowa, 1984), *Assistant Professor of Orthodontics*

Haug, Steven P., D.D.S. (State University of New York, 1984), *Assistant Professor of Prosthodontics*

Hazelrigg, Charles O., D.D.S. (Indiana University, 1970), *Assistant Professor of Pediatric Dentistry*

Heidelman, Joseph F., D.D.S. (Indiana University, 1980), *Assistant Professor of Oral and Maxillofacial Surgery*

Heine, Jacqueline N., M.S. (Indiana University, 1972), *Assistant Professor of Dental Hygiene (Fort Wayne)*

Henderson, Hala Z., D.D.S. (Indiana University, 1970), *Associate Dean for Student Affairs; Professor of Pediatric Dentistry*

Hennon, David K., D.D.S. (Indiana University, 1960), *Professor of Pediatric Dentistry and Orthodontics*

Hilderbrand, Roberta M., B.S. (Indiana University, 1972), *Associate Professor of Periodontics*

Hill, Beverly E., Ed.D. (University of Southern California, 1978), *Director and Adjunct Associate Professor of Medical Educational Resources Program (School of Medicine); Adjunct Associate Professor of Instructional Development (School of Dentistry)*

Hindman, Robert E., D.D.S. (Indiana University, 1977), *Assistant Professor of Periodontics*

Hine, Maynard K., D.D.S. (University of Illinois, 1930), *Chancellor Emeritus (IUPUI); Professor Emeritus of Periodontics; Archivist of School of Dentistry; Special Consultant to President; Executive Associate, Indiana University Foundation*

Hinshaw, Kathleen J., M.S. (Purdue University, 1988), *Clinical Assistant Professor of Dental Assisting; Director of Dental Hygiene/Dental Assisting (Northwest)*

Hinshaw, Kay S., B.S. (Indiana University, 1964), *Instructor in Dental Hygiene*

Hinz, Gary J., D.D.S. (Indiana University, 1976), *Assistant Professor of Pediatric Dentistry*

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

Hohlt, William F., D.D.S. (Indiana University, 1962), *Assistant Professor of Orthodontics; Director of Undergraduate Orthodontics*

Hook-Shelton, Sara A., M.L.S. (University of Michigan, 1980), M.B.A. (Indiana University, 1988), *Associate Librarian and Head, School of Dentistry Library*

- Hovijitra, Suteera T., D.D.S. (*Indiana University, 1981*), Associate Professor of Prosthodontics
- Howard, Lynda S., B.S. (*Indiana University, 1980*), Instructor in Dental Hygiene
- Howell, David J., D.D.S. (*Indiana University, 1981*), Assistant Professor of Oral and Maxillofacial Surgery
- Hughes, Christopher V., D.M.D. (*University of Pennsylvania, 1982*); Ph.D. (*Georgetown University, 1991*), Assistant Professor of Pediatric Dentistry and of Oral Microbiology
- Hull, James R., D.D.S. (*Indiana University, 1977*), Research Associate, Oral Health Research Institute
- Hutton, Charles E., D.D.S. (*Indiana University, 1952*), Professor Emeritus of Oral and Maxillofacial Surgery
- Huxoll, Gloria H., B.S. (*Indiana University, 1974*), Assistant Professor Emerita of Dental Auxiliary Education (Fort Wayne)
- Ito, Michio, Ph.D. (*Tokyo Dental College, 1980*), Adjunct Associate Professor of Dental Materials
- Jackson, Richard D., D.M.D. (*University of Louisville, 1979*), Research Associate, Oral Health Research Institute
- Jersild, Ralph A., Jr., Ph.D. (*University of Illinois, 1961*), Professor of Anatomy (School of Medicine)
- Jinks, James C., D.D.S. (*Indiana University, 1962*), Assistant Professor of Pediatric Dentistry
- Johnston, Ronald L., D.D.S. (*Indiana University, 1968*), Assistant Professor of Prosthodontics
- Jones, Richard E., D.D.S. (*Indiana University, 1975*), Assistant Professor of Prosthodontics
- Jones, Rose Marie, D.D.S. (*University of Western Ontario, 1980*), Associate Professor of Prosthodontics
- Judd, Louise M., M.S. (*University of Cincinnati, 1981*), Clinical Assistant Professor of Dental Hygiene
- Kafrawy, Abdel H., B.D.S. (*Cairo University, 1958*), M.S.D. (*Indiana University, 1962*), Professor of Dental Diagnostic Sciences
- Kaneshiro, Kenneth K., D.D.S. (*Marquette University, 1956*), Associate Professor of Periodontics; Director of Undergraduate Periodontics
- Kasle, Myron J., D.D.S. (*Indiana University, 1962*), Howard Riley Raper Professor Emeritus of Radiology
- Katona, Thomas R., Ph.D. (*University of Pennsylvania, 1981*), D.M.D. (1982), Assistant Professor of Orthodontics (School of Dentistry); Assistant Professor of Mechanical Engineering (School of Engineering and Technology)
- Katz, Barry P., Ph.D. (*University of Michigan, 1984*), Associate Professor of Preventive and Community Dentistry
- Keaton, Wilfrid M., D.D.S. (*Georgetown University, 1964*), Associate Professor of Oral and Maxillofacial Surgery
- Keller, Michael E., D.D.S. (*Indiana University, 1982*), Assistant Professor of Endodontics
- Kilgore, Laura E., D.D.S. (*Indiana University, 1972*), Assistant Professor of Operative Dentistry
- Klein, Arthur I., D.D.S. (*University of Pennsylvania, 1947*), Associate Professor of Pediatric Dentistry
- Klein, Jennifer A., M.S.A. (*University of Notre Dame, 1986*), Associate Professor of Dental Hygiene (South Bend)
- Klooster, Sandra E., D.D.S. (*Indiana University, 1988*), Instructor in Operative Dentistry
- Knoebel, Leon K., Ph.D. (*University of Rochester, 1955*), Professor of Physiology and Biophysics (School of Medicine)
- Koerber, Leonard G., Ed.D. (*Indiana University, 1970*), Director and Professor of Instructional Development; Professor of Dental Practice Administration
- Kristeller, Jean L., Ph.D. (*Yale University, 1983*), Clinical Associate Professor of Preventive and Community Dentistry
- Krull, John T., D.D.S. (*Indiana University, 1976*), Assistant Professor of Pediatric Dentistry
- Lee, Ruby J., D.D.S. (*Indiana University, 1983*), Assistant Professor of Prosthodontics
- Legan, Joseph J., D.D.S. (*Western Reserve University, 1959*), Clinical Assistant Professor of Endodontics
- Lehman, R. Stephen, D.D.S. (*Indiana University, 1973*), Assistant Professor of Prosthodontics
- Leonard, Peter H., D.D.S. (*Indiana University, 1963*), Assistant Professor of Orthodontics
- Lerner, Carl, D.D.S. (*Indiana University, 1989*), Assistant Professor of Periodontics
- Lew, Paul I., D.D.S. (*Indiana University, 1961*), Assistant Professor of Prosthodontics
- Li, Yiming, Ph.D. (*Indiana University, 1987*), Assistant Scientist, Oral Health Research Institute; Adjunct Assistant Professor of Pharmacology and Toxicology (School of Medicine)
- Linderman, Jeffrey A., D.D.S. (*Indiana University, 1986*), Instructor in Operative Dentistry
- Litz, Stephanie M., D.D.S. (*Indiana University, 1989*), Assistant Professor of Pediatric Dentistry
- Logan, Mary K., J.D. (*University of Wisconsin, 1981*), Assistant Professor of Preventive and Community Dentistry
- Long, W. Randall, D.D.S. (*Indiana University, 1969*), Assistant Professor of Pediatric Dentistry
- Lord, Maurice P., II, D.D.S. (*Indiana University, 1964*), Assistant Professor of Operative Dentistry

- Louly, Ammar C., D.D.S. (Indiana University, 1990), Assistant Professor of Prosthodontics
- Lund, Mark S., D.D.S. (Indiana University, 1977), Assistant Professor of Prosthodontics
- Lund, Melvin R., D.M.D. (University of Oregon, 1946), Professor of Operative Dentistry
- McCormick, Francis E., D.D.S. (Indiana University, 1953), Professor Emeritus of Pediatric Dentistry
- McDonald, Carmine G., B.S. (Indiana University, 1964), Instructor in Dental Hygiene
- McDonald, James L., Jr., Ph.D. (Indiana University, 1968), Professor of Preventive and Community Dentistry
- McDonald, Ralph E., D.D.S. (Indiana University, 1944), Dean Emeritus and Professor Emeritus of Pediatric Dentistry
- McDonough, Robert J., D.D.S. (Indiana University, 1986), Assistant Professor of Oral and Maxillofacial Surgery
- McGee, Charles C., D.D.S. (Indiana University, 1990), Instructor in Operative Dentistry
- McKown, Carol G., D.D.S. (Indiana University, 1984), Assistant Professor of Pediatric Dentistry
- Maddox, Raymond M., D.D.S. (Indiana University, 1975), Assistant Professor of Preventive and Community Dentistry
- Maesaka, Ray K., D.D.S. (Indiana University, 1960), Professor of Prosthodontics
- Mallatt, Mark E., D.D.S. (Indiana University, 1975), Associate Professor of Preventive and Community Dentistry
- Malley, Kevin J., D.D.S. (Georgetown University, 1984), Assistant Professor of Preventive and Community Dentistry
- Mann, Brett E., D.D.S. (Indiana University, 1989), Assistant Professor of Pediatric Dentistry
- Markarian, Shant, D.D.S. (University of Pennsylvania, 1959), Associate Professor and Director of Dental Auxiliary Education (South Bend)
- Marlin, Donnell C., D.D.S. (Indiana University, 1956), Assistant Professor of Dental Diagnostic Sciences
- Miles, Dale A., D.D.S. (University of Western Ontario, 1974), Associate Professor of Dental Diagnostic Sciences; Director of Graduate Dental Diagnostic Sciences
- Miller, Chris H., Ph.D. (University of North Dakota, 1969), Chairperson and Professor of Oral Microbiology (School of Dentistry); Professor of Microbiology and Immunology (School of Medicine)
- Moeller, Matthew C., D.D.S. (Indiana University, 1985), Instructor in Operative Dentistry
- Moll, M. 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 Preventive and Community Dentistry
- Monehen, Rosemary, M.S. (Indiana University, 1981), Associate Professor of Dental Auxiliary Education; Supervisor of Dental Assisting (Fort Wayne)
- Moon, Robert A., D.D.S. (Indiana University, 1958), Clinical Assistant Professor and Director of Dental Auxiliary Education; Assistant Dean, Division of Allied Health Sciences, School of Medicine (Northwest)
- Moore, B. Keith, Ph.D. (University of Illinois, 1971), Acting Chairperson and Professor of Dental Materials
- Mueller, Craig T., D.D.S. (Indiana University, 1979), Assistant Professor of Pediatric Dentistry
- Muhler, Joseph C., D.D.S. (Indiana University, 1948), (Ph.D., 1952), Research Professor Emeritus of Preventive Dentistry; Professor Emeritus of Dental Auxiliary Education
- Munoz-Viveros, Carlos A., D.D.S. (Indiana University, 1982), Associate Professor of Prosthodontics
- Nelson, Charles L., D.D.S. (Indiana University, 1976), Chairperson and Associate Professor of Oral and Maxillofacial Surgery; Director of Oral and Maxillofacial Surgery Internship-Residency Program (School of Dentistry); Associate Professor of Plastic Surgery (School of Medicine)
- Newell, Donald H., D.D.S. (University of Illinois, 1958), Assistant Professor of Periodontics
- Newton, Carl W., D.D.S. (Indiana University, 1975), Chairperson and Professor of Endodontics
- Niemann, Sybil S., D.D.S. (Indiana University, 1966), Director and Clinical Assistant Professor of Dental Auxiliary Education
- Oldham, Drew F., D.D.S. (Indiana University, 1963), Associate Professor of Prosthodontics
- Oldsen, Evelyn R., M.S. (University of Iowa, 1969), Associate Professor and Director of Dental Hygiene
- Olson, Byron L., Ph.D. (Case Western Reserve University, 1970), Professor of Preventive and Community Dentistry (School of Dentistry); Professor of Biochemistry and Molecular Biology (School of Medicine)
- Oshida, Yoshiki, Ph.D. (Washeda University, 1971), Associate Professor of Dental Materials
- Overman, John A., D.D.S. (Indiana University, 1972), Assistant Professor of Periodontics
- Palenik, Charles J., M.S. (Indiana University, 1974), Professor of Oral Microbiology

- Park, Michuel K., D.D.S. (*Seoul National University*, 1962), Ph.D. (*Seoul National University*, 1967), Professor of Preventive and Community Dentistry; Assistant Director, Preclinical Research, Oral Health Research Institute
- Pasioneck, Barbara A., M.S.A. (*University of Notre Dame*, 1990), Assistant Professor of Dental Auxiliary Education; Assistant Director of Dental Assisting (South Bend)
- Patel, Raj-Rajendra A., D.D.S. (*University of Bombay*, 1974), Research Associate in Oral Facial Genetics
- Patterson, Samuel S, D.D.S. (*Indiana University*, 1940), Professor Emeritus of Endodontics
- Paydar, Nasser H., Ph.D. (*Syracuse University*, 1985), Chairperson and Associate Professor of Mechanical Engineering (School of Engineering and Technology); Adjunct Associate Professor of Orthodontics (School of Dentistry)
- Perez, Albino M., Jr., M.S. (*Indiana University*, 1984), Clinical Assistant Professor of Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
- Phillips, Gregory E., D.D.S. (*Indiana University*, 1984), Assistant Professor of Periodontics
- Phillips, Sally I., B.S. (*Indiana University*, 1981), Lecturer in Dental Hygiene
- Pinney, Neil R., D.D.S. (*Indiana University*, 1981), Instructor in Operative Dentistry
- Poland, Charles III, D.D.S. (*Indiana University*, 1968), Associate Professor of Pediatric Dentistry
- Potter, Rosario H., D.M.D. (*University of the East*, 1952), M.S. (*Indiana University*, 1967), Professor of Oral Facial Genetics; Director, Dental Biometry and Research Computing
- Preusz, Gerald C., Ed.D. (*Indiana University*, 1970), Associate Professor of Education (School of Education); Associate Professor of Dentistry (School of Dentistry)
- Quill II, Thomas E., D.D.S. (*Indiana University*, 1988), Instructor in Dental Hygiene
- Rackley, R. Hunter, Jr., M.H.E. (*Medical College of Georgia*, 1977), Assistant Professor of Dental Hygiene
- Rake, Philip C., D.D.S. (*Indiana University*, 1971), Assistant Professor of Prosthodontics
- Rapp, Edmund L., D.D.S. (*Indiana University*, 1987), Assistant Professor of Endodontics
- Razmus, Thomas F., D.D.S. (*University of Michigan*, 1975), Assistant Professor of Dental Diagnostic Sciences
- Reed, Angel J., B.S. (*Indiana University*, 1990), Instructor in Dental Hygiene
- Rehmel, Mary Leesa, B.S. (*Indiana University*, 1987), Lecturer in Dental Hygiene
- Reifeis, Paul E., D.D.S. (*Indiana University*, 1978), J.D. (*Indiana University*, 1984), Assistant Professor of Operative Dentistry
- Richard, Glenn E., D.D.S. (*University of Tennessee*, 1965), Associate Professor of Prosthodontics
- Richmond, Norris L., D.D.S. (*Indiana University*, 1963), Professor of Operative Dentistry
- Risch, John R., D.D.S. (*Indiana University*, 1951), Associate Professor of Prosthodontics
- Roberts, J. Keith, D.D.S. (*Indiana University*, 1962), Assistant Professor of Pediatric Dentistry
- Roberts, W. Eugene, Jr., D.D.S. (*Creighton University*, 1967), Ph.D. (*University of Utah*, 1969), Chairperson and Professor of Orthodontics (School of Dentistry); Professor of Physiology and Biophysics (School of Medicine); Adjunct Professor of Mechanical Engineering (School of Engineering and Technology)
- Robinson, Juanita, B.S. (*Indiana University*, 1978), Clinical Assistant Professor of Dental Auxiliary Education (Northwest)
- Roche, James R., D.D.S. (*Indiana University*, 1947), Professor Emeritus of Pediatric Dentistry
- Rolf II, David D., D.M.D. (*Washington University*, 1987), Assistant Professor of Periodontics
- Roy, Bryan J., D.D.S. (*Indiana University*, 1986), Assistant Professor of Periodontics
- Ryan, Larry D., D.D.S. (*Indiana University*, 1965), Associate Professor of Preventive and Community Dentistry
- Sadove, A. Michael, M.D. (*Loyola University*, 1974), Professor of Surgery (School of Medicine); Professor of Oral and Maxillofacial Surgery (School of Dentistry)
- Sagraves, Glen O., D.D.S. (*Indiana University*, 1958), Professor Emeritus of Dental Diagnostic Sciences
- Saksena, Sudha S., Ph.D. (*Indiana University*, 1967), Associate Scientist in Oral Facial Genetics
- Saloum, Fadi S., D.D.S. (*Indiana University*, 1988), Assistant Professor of Operative Dentistry
- Sanders, Brian J., D.D.S. (*University of Maryland*, 1983), Assistant Professor of Pediatric Dentistry
- Schaaf, Jack E., D.D.S. (*Indiana University*, 1975), Associate Professor of Dental Diagnostic Sciences
- Schemehorn, Bruce R., M.S. (*Indiana University*, 1985), Research Associate in Oral Health Research; Assistant Director, Preclinical Research, Oral Health Research Institute
- Schimmele, Ralph G., D.D.S. (*Indiana University*, 1952), Professor Emeritus of Dental Auxiliary Education

- Schinbeckler, Gary A., D.D.S. (*Indiana University*, 1972), Assistant Professor of Oral and Maxillofacial Surgery
- Schmedtje, John F., Ph.D. (*Rutgers State University*, 1951), Associate Professor Emeritus of Anatomy (School of Medicine and School of Dentistry)
- Schmitt, Donald R., D.D.S. (*Loma Linda University*, 1972), Clinical Assistant Professor of Prosthodontics
- Schnell, Richard J., D.D.S. (*Washington University*, 1946), Professor Emeritus of Dental Materials
- Schultz, William F., D.D.S. (*Indiana University*, 1962), Assistant Professor of Oral and Maxillofacial Surgery
- Sexton, Robert E., D.D.S. (*Indiana University*, 1972), Assistant Professor of Oral and Maxillofacial Surgery
- Shafer, William G., D.D.S. (*The Ohio State University*, 1947), Distinguished Professor Emeritus of Oral Pathology
- Shanks, James C., Jr., Ph.D. (*Northwestern University*, 1957), Professor Emeritus of Speech Pathology (School of Medicine); Professor Emeritus of Orthodontics (School of Dentistry)
- Sharp, Donna M., M.A. (*Indiana University*, 1992), Clinical Assistant Professor of Dental Auxiliary Education (Northwest)
- Sheldrake, Margie A., B.A. (*DePauw University*, 1984), Research Associate in Oral Microbiology
- Simpson, George W., D.D.S. (*Indiana University*, 1944), Assistant Professor of Prosthodontics
- Smith, Charles E., D.D.S. (*Indiana University*, 1961), Associate Professor of Preventive and Community Dentistry
- Smith, Richard F., D.D.S. (*University of Iowa*, 1958), Assistant Professor of Oral Anatomy
- Spear, Lewis B., D.D.S. (*Indiana University*, 1960), Assistant Professor of Preventive and Community Dentistry
- Spencer, Pauline R., B.S. (*University of North Carolina*, 1980), Director and Assistant Professor of Dental Assisting
- Spolnik, Kenneth J., D.D.S. (*Indiana University*, 1975), Associate Professor of Endodontics
- Standish, S. Miles, D.D.S. (*Indiana University*, 1945), Professor Emeritus of Oral Pathology and Dental Diagnostic Sciences
- Starkey, Paul E., D.D.S. (*Indiana University*, 1943), Professor Emeritus of Pediatric Dentistry
- Steffel, Charles L., D.D.S. (*Indiana University*, 1978), Assistant Professor of Endodontics
- Stokes, Robert E., D.D.S. (*Indiana University*, 1972), Assistant Professor of Operative Dentistry
- Stookey, George K., Ph.D. (*Indiana University*, 1971), Associate Dean for Research; Director of the Oral Health Research Institute; Professor of Preventive and Community Dentistry
- Stropes, L. Michael, D.D.S. (*Washington University*, 1971), Assistant Professor of Dental Diagnostic Sciences
- Stuart, Richard J., Jr., D.D.S. (*Indiana University*, 1983), Assistant Professor of Prosthodontics
- Summerlin, Don-John, D.M.D. (*University of Alabama*, 1985), Assistant Professor of Oral Pathology
- Swartz, Marjorie L., M.S. (*Indiana University*, 1959), Professor Emerita of Dental Materials
- Swenson, Henry M., D.D.S. (*University of Illinois*, 1942), Professor of Periodontics
- Swimley, D. Chester, D.D.S. (*Temple University*, 1959), Clinical Associate Professor of Oral and Maxillofacial Surgery; Director of Undergraduate Oral and Maxillofacial Surgery
- Sy-Munoz, Jenny T., D.D.S. (*Indiana University*, 1989), Assistant Professor of Prosthodontics
- Taylor, Robert, D.D.S. (*Indiana University*, 1983), Assistant Professor of Prosthodontics
- Tharp, Donald R., D.D.S. (*Indiana University*, 1964), Associate Dean for Clinical Affairs; Professor of Operative Dentistry
- Tomich, Charles E., D.D.S. (*Loyola University, New Orleans*, 1961), Chairperson and Professor of Oral Pathology
- Totten, Carla J., B.S. (*Indiana University*, 1967), Assistant Professor of Dental Hygiene
- Udelson, Jerry E., D.D.S. (*University of Tennessee*, 1987), Assistant Professor of Pediatric Dentistry
- Ursu, Samuel C., D.D.S. (*University of Michigan*, 1958); J.D. (*Detroit College of Law*, 1978), Adjunct Associate Professor of Orthodontics
- Valentine, John B., D.M.D. (*University of Louisville*, 1979), Instructor in Dental Diagnostic Sciences
- Vandersall, David C., D.D.S. (*Case Western Reserve University*, 1961), Associate Professor of Periodontics
- Van Dis, Margot L., D.D.S. (*University of Michigan*, 1980), Associate Professor of Dental Diagnostic Sciences
- Van Winkle, Kurt D., D.D.S. (*Indiana University*, 1987), Assistant Professor of Periodontics
- Vazquez, Ana H., D.M.D. (*University of Puerto Rico*, 1988), Assistant Professor of Pediatric Dentistry
- Viano, Amy J., D.D.S. (*Indiana University*, 1991), Instructor in Dental Diagnostic Sciences

- Wagner, A. George, D.D.S. (University of Michigan, 1954), Professor of Prosthodontics; Chairperson, Section of Complete Denture
- Ward, Kevin D., D.D.S. (Indiana University, 1986), Instructor in Operative Dentistry
- Ward, Richard E., Ph.D. (University of Colorado, 1980), Chairperson and Associate Professor of Anthropology (School of Liberal Arts); Adjunct Associate Professor of Oral Facial Genetics (School of Dentistry); Adjunct Associate Professor of Anthropology (College of Arts and Sciences)
- Watson, Nicholas H., D.D.S. (Indiana University, 1968), Assistant Professor of Endodontics
- Weddell, James A., D.D.S. (Indiana University, 1977), Associate Professor of Pediatric Dentistry; Director of Riley Hospital Dental Clinic
- West, Darlene D., D.D.S. (Indiana University, 1981), Assistant Professor of Prosthodontics
- Wilcox, David C., M.D. (University of Southern Florida, 1983), Clinical Assistant Professor of Medicine (School of Medicine)
- Williamson, Gail F., M.S. (Indiana University, 1982), Associate Professor of Dental Diagnostic Sciences
- Willis, George P., D.D.S. (Indiana University, 1979), Associate Professor of Operative Dentistry
- Winkler, Mark M., D.D.S. (Louisiana State University, 1981); Ph.D. (Northwestern University, 1991), Assistant Professor of Dental Materials
- Wittrig, Matthew S., D.D.S. (Indiana University, 1989), Instructor in Operative Dentistry
- Wohlford, Mark E., D.D.S. (University of Iowa, 1985), Ph.D. (The Ohio State University, 1992), Assistant Professor of Oral and Maxillofacial Surgery
- Wood, Gerald D., Research Associate, Oral Health Research Institute
- Yoder, Karen Masbaum, M.S.D. (Indiana University, 1983), Assistant Professor of Preventive and Community Dentistry; Assistant Professor of Dental Auxiliary Education (Fort Wayne)
- Yokom, Nanci G., M.B.A. (Indiana University, 1989), Associate Professor of Dental Auxiliary Education; Assistant Director of Dental Hygiene (South Bend)
- Young, Nancy A., M.Ed. (Temple University, 1981), Assistant Professor of Dental Hygiene
- Zitterbart, Paul A., D.D.S. (Indiana University, 1977), Assistant Professor of Dental Diagnostic Sciences
- Zonakis, Peter T., D.D.S. (Indiana University, 1961), Associate Professor and Director of Dental Auxiliary Education; Dean of School of Allied Health Sciences (Fort Wayne)
- Zunt, Susan L., D.D.S. (Case Western Reserve University, 1977), Associate Professor of Oral Pathology

Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. With 850 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers more than 3,700 and includes members of many academic societies such as the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences.

Indiana University was founded at Bloomington in 1820 and is one of the oldest and largest institutions of higher education in the Midwest. It serves more than 96,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. Campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana's citizens.

General Policies

Nondiscrimination Policy Indiana University is committed to equal opportunity for all persons and provides its services without regard to gender, age, race, religion, ethnic origin, sexual orientation, veteran status, or disability. The university director of affirmative action is responsible for carrying out the affirmative action program for units in central administration. In addition, there is an affirmative action officer on each campus who develops and administers the program there.

Confidentiality of Student Records

In accordance with federal statutes and regulations, student records are confidential and available for disclosure to persons other than the student only under stated conditions.

Student Rights and Responsibilities

A statement of students' rights and responsibilities is published in a handbook, *Code of Student Ethics*, which contains a description of due process hearings in the event of disciplinary action.

Degree Requirements Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate. Information about a specific school or division can be

found in the front section of the bulletin for that school.

Requests for deviation from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or their respective administrative representative). Disposition at each level is final.

Undergraduate Admissions Policy

Indiana University has adopted the following admissions policy to insure that undergraduate students are properly prepared for college work. These standards seek to ensure either adequate academic preparation in high school or evidence of unusual motivation on the part of each student admitted to the university. Effective first semester 1991-92, applicants for admission to Indiana University will be expected to meet the following criteria.

Freshman Students¹

1. Graduation from a commissioned Indiana high school or comparable out-of-state institution, successfully completing a minimum of 28 semesters of college-preparatory courses including the following:
 - (a) Eight semesters of English (One semester each of speech and journalism may be included.).
 - (b) Four semesters of social science (economics, government, history, psychology, or sociology).
 - (c) Four semesters of algebra (two semesters of which must be advanced algebra) and two semesters of geometry.
 - (d) Two semesters of laboratory science (biology, chemistry, or physics).
 - (e) Eight semesters in some combination of foreign language; additional mathematics, laboratory science, or social science; computer science; and other courses of a college-preparatory nature.
 - (f) Four semesters of foreign language are strongly recommended.
 - (g) Courses to develop writing composition skills are strongly recommended.
2. A rank in the upper half of the high school graduating class for Indiana residents or a

¹ Some academic programs require specific qualifications in addition to those enumerated in this policy.

- rank in the upper third of the high school graduating class for out-of-state residents.
3. A score above the median established by Indiana students on a nationally standardized admissions test. Students who have been out of high school for three or more years do not have to submit test scores unless required for admission to specific programs.
 4. Each campus may accept students who are deficient in (1), (2), or (3) of the above specifications upon receipt of such evidence as the combination of strength of college-preparatory program, rank in class, grades and grade trends in college-preparatory courses, and standardized test scores. For persons who do not meet the above criteria and who have been out of high school three or more years, admission can be based on other factors such as a General Educational Development (GED) diploma, maturity, work experience, military service, and other factors as determined by the campus.
 5. Each campus, at its discretion, may admit a student on a probationary basis and/or through faculty sponsorship.

Transfer Students¹

1. Submission of official transcripts from all previous institutions attended.
2. The transcripts must reflect a cumulative grade point average of at least a 2.0 (on a 4.0 scale) for Indiana residents and at least a 2.5 (on a 4.0 scale) for out-of-state residents.
3. If the student has fewer than 26 transferable credit hours, the high school record should reflect compliance with freshman admission requirements as specified above.
4. The credentials of students seeking transfer to Indiana University will be evaluated on an individual basis.

When students do not qualify upon first application, they will be counseled about ways of removing deficiencies so that they may qualify for admission at a later date. If any provision of this policy is held invalid, the invalidity does not affect other provisions of this policy which can be given effect without the invalid provision, and to this end the provisions of this policy are severable.

Transfer to Other Indiana University Campuses

The policy stated below concerning transfer credit pertains to undergraduate students only.

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 want 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, students transferring 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 preregistration or preenrollment 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.

¹ Some academic programs require specific qualifications in addition to those enumerated in this policy.

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 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 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 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)¹ 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.¹
- (c) Such person may be classified as a resident student without meeting the 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."¹
- (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

¹ Note: Rules 2(b) and 2(c) apply only to unemancipated persons under 21 years of age.

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 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 12 months from the residence qualifying date, i.e., the date upon which the student commenced the 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 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.

Fees

Enrollment and administrative fees listed here were approved at the May 1992 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus *Schedule of Classes*.

Certain courses and programs requiring studios, laboratories, microscopes, computers, or other special equipment may involve special fees in addition to the enrollment fee. Applied music, student teaching, and some physical education courses also carry additional fees. See the campus *Schedule of Classes* for a list of such courses and programs.

Fees for Indiana University campuses other than Bloomington and Indianapolis are published in the bulletin of the specific campus.

ENROLLMENT FEES	Indiana Resident	Nonresident
Bloomington Campus		
Undergraduate ¹	\$1,291.00 flat fee/ 12 to 17 credit hours \$80.50/credit hour under 12 or over 17	\$4,147.00 flat fee/ 12 to 17 credit hours \$259.20/credit hour under 12 or over 17
Graduate and Professional ¹		
Business—M.B.A. Program ²	\$3,000.00/semester	\$6,000.00/semester
Business ³	\$154.45/credit hour	\$378.00/credit hour
Law	\$129.40/credit hour	\$356.00/credit hour
Optometry	\$133.30/credit hour	\$370.00/credit hour
Other	\$107.85/credit hour	\$311.05/credit hour
Independent Study (Correspondence)	\$71.00/credit hour	\$71.00/credit hour
Dissertation research (G901) ⁴	\$100.00/semester	\$100.00/semester
Auditing (no credit)	\$25.00/credit hour	\$25.00/credit hour
Indianapolis Campus		
Undergraduate ¹	\$80.50/credit hour	\$242.60/credit hour
Graduate and Professional ¹		
Business	\$163.00/credit hour	\$400.00/credit hour
Dentistry	\$6,894.00/year	\$14,300.00/year
Law	\$129.40/credit hour	\$356.00/credit hour
Medicine	\$7,425.00/year	\$16,830.00/year
Nursing	\$111.85/credit hour	\$322.60/credit hour
Other	\$107.85/credit hour	\$311.05/credit hour
Dissertation research (G901) ⁴	\$100.00/semester	\$100.00/semester
Auditing (no credit)	applicable credit hour rate	applicable credit hour rate

¹Includes credit courses in the School of Continuing Studies.

²M.B.A. students beginning the program in fall 1992 and thereafter and enrolled in 9 or more credit hours of business courses will be assessed a flat rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis.

³Graduate business credit hour rates apply to (a) M.B.A. students who began the program prior to fall 1992, (b) M.B.A. students entering in fall 1992 who are enrolled in fewer than 9 credit hours of business courses, and (c) students enrolled in a doctoral business program.

⁴To keep their candidacies active, doctoral students with 90 credit hours or more and Master of Fine Arts students with 60 credit hours or more may enroll in G901 for a flat fee of \$100. Also, they must have completed all graduate degree requirements except for the dissertation or final project/performance. Enrollment in G901 is limited to six times. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.

ADMINISTRATIVE FEES ⁵	Bloomington Campus	Indianapolis Campus
Application for admission		
Domestic	\$30.00	\$25.00
International	\$35.00	\$50.00
Deferment service charge ⁶	\$17.00	\$17.00
Health service fee ⁷	\$54.50/semester \$23.50/summer I \$31.00/summer II	optional
Late payment charge	\$37.00/semester	\$10.00/month
Late program change ⁸	\$14.00/course added or dropped	\$15.00/course added
Late registration ⁹	\$37.00 to \$187.00/semester \$37.00/summer session	\$22.00 to \$88.00/ semester \$22.00 to \$44.00/ summer session \$15.50 or \$23.00/ semester
Student activity fee ¹⁰	\$9.75 or \$19.55/semester \$4.90 or \$9.75/summer session	
Technology fee, fall or spring semesters ¹¹		
Freshmen	\$25.00, \$50.00, \$100.00	\$25.00, \$50.00, \$75.00
Sophomores	\$8.00, \$16.00, \$32.00	\$9.65, \$19.25, \$28.90
Juniors	\$15.00, \$30.00, \$58.00	\$8.60, \$17.15, \$25.70
Seniors	\$14.00, \$28.00, \$55.00	\$7.50, \$15.00, \$22.50
Graduate/professional, nondegree students	\$9.00, \$18.00, \$35.00	
Special undergraduate students		\$7.50, \$15.00, \$22.50
Technology fee, summer sessions ¹²		
Freshmen	\$25.00, \$50.00	\$25.00, \$37.50
Sophomores	\$8.00, \$16.00	\$9.65, \$14.45
Juniors	\$14.50, \$29.00	\$8.60, \$12.85
Seniors	\$13.75, \$27.50	\$7.50, \$11.25
Graduate/professional, nondegree students	\$8.75, \$17.50	
Special undergraduate students		\$7.50, \$11.25
Transcripts	\$5.25	\$5.25

⁵Applicable to both in-state and out-of-state students.

⁶Fee is assessed if deferred billing option is elected.

⁷Students enrolled in more than 3 credit hours at Bloomington pay a mandatory health service fee. Those enrolled in 3 or fewer credit hours will be charged on a full-cost, fee-for-service basis for services of the IU Health Center.

⁸After drop/add period (100 percent refund period), students will be assessed \$14.00 in Bloomington and \$15.00 in Indianapolis for each added course, section change, change of arranged hours, or credit/audit change. On the Bloomington campus, students will also be assessed for each dropped course.

⁹A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is \$37.00 for students who register by the last Friday before classes begin and increases by \$10.00 on the Monday of each successive week to a maximum of \$187.00. On the Indianapolis campus, a \$22.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by \$22.00 each successive week to a maximum of \$88.00. In Indianapolis summer sessions, a late registration fee of \$22.00 is assessed the first week, and \$44.00 the second week and thereafter.

¹⁰On the Bloomington campus, students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of \$9.75. Students enrolled in more than 3 credit hours pay \$19.55. Summer session students pay a fee per session according to the number of hours they are enrolled: 3 or fewer credit hours, \$4.90; more than 3 credit hours, \$9.75. On the Indianapolis campus, students enrolled in 1 to 8 credit hours pay a mandatory student activity fee of \$15.50 per semester. Students enrolled in 9 or more credit hours pay \$23.00 per semester.

¹¹A technology fee, based on class standing, will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.

¹²The Indianapolis campus assesses a technology fee, based on class standing, according to the number of enrolled credit hours as follows: 3 or fewer credit hours; greater than 3 credit hours. On the Bloomington campus, a technology fee, based on class standing, will be assessed for each summer session according to the number of credit hours enrolled: 3 credit hours or fewer; more than 3 credit hours.

Fee Refund Schedule

Time of Withdrawal	Refund
9 through 16 weeks	
During 1st week of classes or through drop/add period	100%
During 2nd week of classes	75%
During 3rd week of classes	50%
During 4th week of classes	25%
During 5th week of classes and thereafter	None
5 through 8 weeks	
During 1st week of classes or through drop/add period	100%
During 2nd week of classes	50%
During 3rd week of classes and thereafter	None
2 through 4 weeks	
During the 1st and 2nd day of classes or through drop/add period	100%
During 3rd and 4th day of classes	50%
During 5th day of classes and thereafter	None

Time of Withdrawal

1 week or less

During 1st day of classes	100%
During 2nd day of classes	50%
During 3rd day of classes and thereafter	None

The refund policy applies to credit hour fees and all course-related fees.

Procedure Students must apply to the Office of the Registrar when they withdraw from classes. See the *Schedule of Classes* for more information.

Student Financial Assistance Students can obtain information about financial assistance through the financial aid office, through the student employment office, or through their schools and departments. Contact the Human Resources Administration for information about faculty/staff fee courtesy.

Veterans Benefits Eligible students will receive veterans benefits according to the following scale, which is based on the number of credit hours in which the student is enrolled.

Undergraduate Benefits	Fall & Spring Semesters ¹	IUPUI ¹ Summer I	Bloomington Summer I	Summer II ¹
full	12 or more	6	4	6
three-quarters	9-11	4-5	3	4-5
one-half	6-8	3	2	3
tuition only	fewer than 6	1-2	1	1-2
Graduate Benefits				
full	8 or more	4	4	4
three-quarters	6-7	3	3	3
one-half	4-5	2	2	2
tuition only	fewer than 4	1	1	1

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent on the Bloomington campus to notify the Office of Disabled Student Services and Veterans Affairs of any schedule change that may increase or decrease the amount of benefits allowed. Veterans and veteran dependents on the IUPUI campus should notify the Office of the Registrar.

Veterans with service-connected disabilities may qualify for the Veterans Administration Vocational Rehabilitation Program. They should contact their regional Veterans Administration office for eligibility information.

At IUPUI, veterans and veteran dependents must notify their veteran benefit representative on campus in person at the time of registration.

¹ On the IUPUI campus, check with a VA representative for positive verification of your hourly status.

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 School of Dentistry has an Office for Minority Student Services. For more information, write to Dr. LaForrest D. Garner, associate dean for minority student services, at the address above.

The offices are open 9 a.m. to 5 p.m., Monday through Friday, for those who desire to visit or call (317/274-8173).

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

Indianapolis

Coordinator, Office of Records
and Admissions

or

Director—Dental Hygiene

or

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

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

Assistant Director—Dental Hygiene

or

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

Gary

Director—Dental Hygiene/Dental Assisting
Indiana University Northwest
3223 Broadway
Gary, Indiana 46408

Information on graduate dentistry programs may be obtained here:

Associate Dean for Graduate and Postgraduate
Education

1121 West Michigan Street
Indianapolis, Indiana 46202

Indiana University Bulletins

You may want to explore other schools of Indiana University. The following is a complete list of our bulletins. Please write directly to the individual unit or campus for its bulletin.

Indiana University Bloomington

College of Arts and Sciences
School of Business¹
School of Continuing Studies²
School of Education³
School of Health, Physical Education, and Recreation
School of Journalism
School of Law—Bloomington⁴
School of Library and Information Science
School of Music
School of Optometry
School of Public and Environmental Affairs³
University Division⁵
University Graduate School

Indiana University—Purdue University Indianapolis

School of Allied Health Sciences
School of Business¹
School of Continuing Studies²
School of Dentistry
School of Education³
School of Engineering and Technology (Purdue University)
Herron School of Art
School of Law—Indianapolis⁴
School of Liberal Arts
School of Medicine
School of Nursing³
School of Optometry
School of Physical Education
School of Public and Environmental Affairs³
School of Science (Purdue University)
School of Social Work
Undergraduate Education Center
University Graduate School

Indiana University East (Richmond)

Indiana University Kokomo

Indiana University Northwest (Gary)

Indiana University South Bend

Indiana University Southeast (New Albany)

Indiana University—Purdue University Fort Wayne

¹There are two separate bulletins for the Bloomington and Indianapolis undergraduate business programs; please specify which of the two bulletins you need. The graduate business programs for Bloomington and Indianapolis are also separate. Contact the school for a bulletin or other material describing these programs.

²Bulletins on the General Studies Degree Program, Independent Study Program, and Division of Labor Studies are available from this school.

³Two bulletins are issued: graduate and undergraduate.

⁴There are two Indiana University schools of law. Be sure to specify whether you want a bulletin of the Bloomington or Indianapolis school.

⁵Available only to admitted University Division students.

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